Proposed Temporary Side Track - Horizontal Alignment Discription

Chain SIDETEMP2 contains:
SPI CZ1B CUR CZ1 SPI CZ1A

Beginning chain SIDETEMP2 description
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Spiral CZ1B — Type 1 — Spiral Element

Angle	0°37'11.89" (LT)	P	0.0559	BK S	52°54'29.95" W
LS	62.0000	K	30.9999	AH S	52°17'18.06" W
R	2,864.9344	LT	41.3336	CB S	52°42'05.99" W
YS	0.2236	ST	20.6669	Defl	0°12'23.96"
XS	61.9993	LC	61.9997	Deg	2°00'00.00"

Spiral Coordinates

Point	North	East	Station
TS	1,367,812.9354	2,124,266.2913	80+00.00
PI	1,367,788.0074	2,124,233.3207	80+41.33
SC	1,367,775.3657	2,124,216.9711	80+62.00
CC	1,365,508.9185	2,125,969.4168	

Curve Data

Curve CZ1 — (Chord Definition)

P.I. Station	81+25.88	N	1,367,736.2905	E	2,124,166.4349
Delta	2°33'16.88" (LT)				
Degree	2°00'00.00"				
Tangent	63.8810				
Length	127.7344				
Radius	2,864.9344				
External	0.7121				
Long Chord	127.7303				
Mid. Ord.	0.7119				
P.C. Station	80+62.00	N	1,367,775.3657	E	2,124,216.9711
P.T. Station	81+89.73	N	1,367,695.0015	E	2,124,117.6905
C.C.		N	1,365,508.9185	E	2,125,969.4168
Back	S 52°17'18.06" W				
Ahead	S 49°44'01.18" W				
Chord Bear	S 51°00'39.62" W				

Spiral CI3A — Type 2 — Spiral Element

Angle	0°37'11.89" (LT)	P	0.0559	BK S	49°44'01.18" W
LS	62.0000	K	30.9999	AH S	49°06'49.30" W
R	2,864.9344	LT	41.3336	CB S	49°19'13.26" W
YS	0.2236	ST	20.6669	Defl	0°12'23.96"
XS	61.9993	LC	61.9997	Deg	2°00'00.00"

Spiral Coordinates

Point	North	East	Station
CS	1,367,695.0015	2,124,117.6905	81+89.73
PI	1,367,681.6436	2,124,101.9207	82+10.40
ST	1,367,654.5883	2,124,070.6721	82+51.73
CC	1,365,508.9185	2,125,969.4168	

Course from ST CZ1A to TS CZ2B S 49°06'49.30" W Dist 330.2390

SCS CI4 found within chain SIDETEMP2, contains:
SPI CZ2B CUR CZ2 SPI CZ2A

PISCS CI4 N 1,367,329.3805 E 2,123,695.0606 STA 87+48.57
Total Tangent 166.5951
Total Length 333.0858
Total Delta 3°45'00.00" (RT)
Back Tangent S 49°06'49.30" W
Ahead Tangent S 52°51'49.30" W

Beginning SCS CZ2 description

Spiral Back
Spiral CZ2B — Type 1 — Spiral Element

Angle	0°25'43.76" (RT)	P	0.0387	BK S	49°06'49.30" W
LS	62.0000	K	30.9999	AH S	49°32'33.06" W
R	4,141.9642	LT	41.3335	CB S	49°15'23.88" W
YS	0.1547	ST	20.6668	Defl	0°08'34.59"
XS	61.9997	LC	61.9998	Deg	1°23'00.00"

Spiral Coordinates

Point	North	East	Station
TS	1,367,438.4270	2,123,821.0081	85+81.97
PI	1,367,411.3718	2,123,789.7596	86+23.31
SC	1,367,397.9615	2,123,774.0345	86+43.97
CC	1,370,549.5310	2,121,086.3819	

Circular Section

Curve Data

Curve CZ2 — (Chord Definition)

P.I. Station	87+48.54	N	1,367,330.1092	E	2,123,694.4703
Delta	2°53'32.47" (RT)				
Degree	1°23'00.00"				
Tangent	104.5677				
Length	209.0858				
Radius	4,141.9642				
External	1.3197				
Long Chord	209.0687				
Mid. Ord.	1.3193				
P.C. Station	86+43.97	N	1,367,397.9615	E	2,123,774.0345
P.T. Station	88+53.06	N	1,367,266.3582	E	2,123,611.5836
C.C.		N	1,370,549.5310	E	2,121,086.3819
Back	S 49°32'33.06" W				
Ahead	S 52°26'05.53" W				
Chord Bear	S 50°59'19.30" W				

Spiral Ahead
Spiral CZ2A — Type 2 — Spiral Element

Angle	0°25'43.76" (RT)	P	0.0387	BK S	52°26'05.53" W
LS	62.0000	K	30.9999	AH S	52°51'49.30" W
R	4,141.9642	LT	41.3335	CB S	52°43'14.71" W
YS	0.1547	ST	20.6668	Defl	0°08'34.59"
XS	61.9997	LC	61.9998	Deg	1°23'00.00"

Spiral Coordinates

Point	North	East	Station
CS	1,367,266.3582	2,123,611.5836	88+53.06
PI	1,367,253.7584	2,123,595.2019	88+73.73
ST	1,367,228.8049	2,123,562.2508	89+15.06
CC	1,370,549.5310	2,121,086.3819	

Ending SCS CZ2 description

Course from ST CZ2A to TS CZ3B S 52°51'49.30" W Dist 502.6274

SCS CZ3 found within chain SIDETEMP2, contains:
SPI CZ3B CUR CZ3 SPI CZ3A

PISCS CZ3 N 1,366,864.7878 E 2,123,081.5673 STA 95+18.02
Total Tangent 100.3361
Total Length 200.3726
Total Delta 8°18'02.36" (RT)
Back Tangent S 52°51'49.30" W
Ahead Tangent S 61°09'51.66" W

Beginning SCS CZ3 description

Spiral Back
Spiral CZ3B — Type 1 — Spiral Element

Angle	1°51'32.94" (RT)	P	0.1676	BK S	52°51'49.30" W
LS	62.0000	K	30.9999	AH S	54°43'22.24" W
R	955.3661	LT	41.3356	CB S	53°29'00.26" W
YS	0.6705	ST	20.6687	Defl	0°37'00.26"
XS	61.9935	LC	61.9971	Deg	6°00'00.00"

Spiral Coordinates

Point	North	East	Station
TS	1,366,925.3620	2,123,161.5554	94+17.69
PI	1,366,900.4071	2,123,128.6026	97+59.02
SC	1,366,888.4703	2,123,111.7293	94+79.69
CC	1,367,668.4005	2,122,559.9746	

Circular Section

Curve Data

Curve CZ3 — (Chord Definition)

P.I. Station	95+17.91	N	1,366,866.3946	E	2,123,080.5243
Delta	4°34'56.48" (RT)				
Degree	6°00'00.00"				
Tangent	38.2241				
Length	76.3726				
Radius	955.3661				
External	0.7644				
Long Chord	76.3871				
Mid. Ord.	0.7638				
P.C. Station	94+79.69	N	1,366,888.4703	E	2,123,111.7293
P.T. Station	95+56.06	N	1,366,846.8825	E	2,123,047.6555
C.C.		N	1,367,668.4005	E	2,122,559.9746
Back	S 54°43'22.24" W				
Ahead	S 59°18'18.72" W				
Chord Bear	S 57°00'50.48" W				

Spiral Ahead
Spiral CZ3A — Type 2 — Spiral Element

Angle	1°51'32.94" (RT)	P	0.1676	BK S	59°18'18.72" W
LS	62.0000	K	30.9989	AH S	61°09'51.66" W
R	955.3661	LT	41.3356	CB S	60°32'40.70" W
YS	0.6705	ST	20.6687	Defl	0°10'10.96"
XS	61.9935	LC	61.9971	Deg	6°00'00.00"

Spiral Coordinates

Point	North	East	Station
CS	1,366,846.8825	2,123,047.6555	95+56.06
PI	1,366,836.3319	2,123,029.8824	95+76.73
ST	1,366,816.3958	2,122,993.6722	96+18.06
CC	1,367,668.4005	2,122,559.9746	

Ending SCS CZ3 description

Course from ST CZ3A to TS CZ4B S 61°09'51.66" W Dist 94.3742

SCS CZ4 found within chain SIDETEMP2, contains:
SPI CZ4B CUR CZ4 SPI CZ4A

PISCS CZ4 N 1,366,723.4404 E 2,122,824.8358 STA 98+10.79
Total Tangent 98.3598
Total Length 196.4426
Total Delta 08°03'53.49" (LT)
Back Tangent S 61°09'51.66" W
Ahead Tangent S 53°05'58.17" W

Beginning SCS CZ4 description

Spiral Back
Spiral CZ4B — Type 1 — Spiral Element

Angle	1°51'32.94" (RT)	P	0.1676	BK S	61°09'51.66" W
LS	62.0000	K	30.9989	AH S	59°18'18.72" W
R	955.3661	LT	41.3356	CB S	60°32'40.70" W
YS	0.6705	ST	20.6687	Defl	0°37'10.96"
XS	61.9935	LC	61.9971	Deg	6°00'00.00"

Spiral Coordinates

Point	North	East	Station
TS	1,366,770.8792	2,122,910.9997	97+12.43
PI	1,366,750.9431	2,122,874.7894	97+53.77
SC	1,366,740.3924	2,122,857.0164	97+74.43
CC	1,365,918.8744	2,123,344.6973	

Circular Section

Curve Data

Curve CZ4 — (Chord Definition)

P.I. Station	98+10.69	N	1,366,721.8854	E	2,122,825.8406
Delta	4°20'47.61" (LT)				
Degree	6°00'00.00"				
Tangent	36.2553				
Length	72.4426				
Radius	955.3661				
External	0.6877				
Long Chord	72.4584				
Mid. Ord.	0.6872				
P.C. Station	97+74.43	N	1,366,740.3924	E	2,122,857.0164
P.T. Station	98+46.88	N	1,366,701.0688	E	2,122,796.1570
C.C.		N	1,365,918.8744	E	2,123,344.6973
Back	S 59°18'18.72" W				
Ahead	S 54°57'31.11" W				
Chord Bear	S 57°07'54.91" W				

Spiral Ahead
Spiral CZ4A — Type 2 — Spiral Element

Angle	1°51'32.94" (RT)	P	0.1676	BK S	54°57'31.11" W
LS	62.0000	K	30.9989	AH S	53°05'58.17" W
R	955.3661	LT	41.3356	CB S	53°43'09.13" W
YS	0.6705	ST	20.6687	Defl	0°37'10.96"
XS	61.9935	LC	61.9971	Deg	6°00'00.00"

Spiral Coordinates

Point	North	East	Station
CS	1,366,701.0688	2,122,796.1570	98+46.88
PI	1,366,689.2015	2,122,779.2348	98+67.54
ST	1,366,664.3824	2,122,746.1795	99+08.88
CC	1,365,918.8744	2,123,344.6973	

Ending SCS CZ4 description
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Ending chain SIDETEMP2 description

SE 1.0"