

ALIGNMENT NAME: A500 @ S.H. 74
BEGINNING STATION: 936+23.25
ENDING STATION: 1387+85.36

NO STATION EQUATION	POINT	NODE ID	STATION	NORTHING--(Y)	EASTING--(X)
	BOP	502	936+23.25	222024.00961229	2092053.06055707

DIRECTION	DISTANCE	NO	STATION	NORTHING--(Y)	EASTING--(X)
N00°18'34.31"W	2830.42162681				

PC	STATION	NORTHING--(Y)	EASTING--(X)
PC	15001	964+53.67	224854.38993639
RP	15002	N/A	224813.11955396

CIRCULAR CURVE (CCW) NO. C500 V=70 MPH EMAX=0.06 S=N.C.
 RADIAL IN: S89°41'25.69"W ARC LENGTH: 1504.11989414
 D.O.C ARC: 00°45'00.00" CHORD DIRECTION: N05°56'59.92"W
 D.O.C CHORD: 00°45'00.02" CHORD LENGTH: 1501.69159078
 RADIUS: 7639.43726841 EXTERNAL: 37.16812340
 DELTA ANGLE: 11°16'51.24" MIDDLE ORDINATE: 36.98816503
 TANGENT LENGTH: 754.49888242 RADIAL OUT: N78°24'34.46"E

PI	STATION	NORTHING--(Y)	EASTING--(X)
PI	15004	972+08.17	225608.87780884
PT	15003	979+57.79	2091882.10421328

DIRECTION	DISTANCE	NO	STATION	NORTHING--(Y)	EASTING--(X)
N11°35'25.54"W	450.00000007				

PC	STATION	NORTHING--(Y)	EASTING--(X)
PC	15101	984+07.79	226788.81554571
RP	15102	N/A	228323.68756544

CIRCULAR CURVE (CCW) NO. C510 V=70 MPH EMAX=0.06 S=0.028'/'
 RADIAL IN: N78°24'34.46"E ARC LENGTH: 1961.17878136
 D.O.C ARC: 00°45'00.00" CHORD DIRECTION: N04°14'09.63"W
 D.O.C CHORD: 00°45'00.02" CHORD LENGTH: 1955.79782092
 RADIUS: 7639.43726841 EXTERNAL: 63.36861748
 DELTA ANGLE: 14°42'31.83" MIDDLE ORDINATE: 62.84730333
 TANGENT LENGTH: 986.01051604 RADIAL OUT: N86°52'53.72"W

PI	STATION	NORTHING--(Y)	EASTING--(X)
PI	15104	993+93.80	227754.72015030
PT	15103	1003+68.97	228739.27062168

DIRECTION	DISTANCE	NO	STATION	NORTHING--(Y)	EASTING--(X)
N03°07'06.28"E	3784.75830748				

PC	STATION	NORTHING--(Y)	EASTING--(X)
PC	15201	1041+53.73	232518.42461150
RP	15202	N/A	233297.64284196

CIRCULAR CURVE (CCW) NO. C520 V=70 MPH EMAX=0.06 S=N.C.
 RADIAL IN: N86°52'53.72"W ARC LENGTH: 846.26973674
 D.O.C ARC: 00°24'00.00" CHORD DIRECTION: N01°25'33.14"E
 D.O.C CHORD: 00°24'00.00" CHORD LENGTH: 846.14666143
 RADIUS: 14323.94487827 EXTERNAL: 6.25205700
 DELTA ANGLE: 03°23'06.28" MIDDLE ORDINATE: 6.24932932
 TANGENT LENGTH: 423.25799203 RADIAL OUT: N89°44'00.00"E

PI	STATION	NORTHING--(Y)	EASTING--(X)
PI	15204	1045+76.99	232941.05586014
PT	15203	1050+00.00	233364.30926795

DIRECTION	DISTANCE	NO	STATION	NORTHING--(Y)	EASTING--(X)
N00°16'00.00"W	1530.83798957				

PC	STATION	NORTHING--(Y)	EASTING--(X)
PC	15301	1065+30.84	234895.13067728
RP	15302	N/A	234930.68610448

CIRCULAR CURVE (CCW) NO. C530 V=70 MPH EMAX=0.06 S=0.028'/'
 RADIAL IN: N89°44'00.00"E ARC LENGTH: 1175.84428285
 D.O.C ARC: 00°45'00.00" CHORD DIRECTION: N04°08'33.90"E
 D.O.C CHORD: 00°45'00.02" CHORD LENGTH: 1174.68393862
 RADIUS: 7639.43726841 EXTERNAL: 22.67886261
 DELTA ANGLE: 08°49'07.80" MIDDLE ORDINATE: 22.61173614
 TANGENT LENGTH: 589.08558567 RADIAL OUT: N81°26'52.20"W

PI	STATION	NORTHING--(Y)	EASTING--(X)
PI	15304	1071+19.92	235484.20988268
PT	15303	1077+06.68	236066.74535448

DIRECTION	DISTANCE	NO	STATION	NORTHING--(Y)	EASTING--(X)
N08°33'07.80"E	456.13336071				

PC	STATION	NORTHING--(Y)	EASTING--(X)
PC	15401	1081+62.82	236517.80691319
RP	15402	N/A	237653.86616320

CIRCULAR CURVE (CCW) NO. C540 V=70 MPH EMAX=0.06 S=0.028'/'
 RADIAL IN: N81°26'52.20"W ARC LENGTH: 1166.95539396
 D.O.C ARC: 00°45'00.00" CHORD DIRECTION: N04°10'33.90"E
 D.O.C CHORD: 00°45'00.02" CHORD LENGTH: 1165.82116139
 RADIUS: 7639.43726841 EXTERNAL: 22.33644110
 DELTA ANGLE: 08°45'07.80" MIDDLE ORDINATE: 22.27132346
 TANGENT LENGTH: 584.61491406 RADIAL OUT: N89°48'00.00"E

PI	STATION	NORTHING--(Y)	EASTING--(X)
PI	15404	1087+47.43	237095.92142333
PT	15403	1093+29.77	237680.53277571

DIRECTION	DISTANCE	NO	STATION	NORTHING--(Y)	EASTING--(X)
N00°12'00.00"W	11228.60811475				

PC	STATION	NORTHING--(Y)	EASTING--(X)
PC	15501	1205+58.38	248909.07248194
RP	15502	N/A	248849.07260377

CIRCULAR CURVE (CCW) NO. C550 V=70 MPH EMAX=0.06 S=N.C.
 RADIAL IN: S89°48'00.00"W ARC LENGTH: 540.58538835
 D.O.C ARC: 00°20'00.00" CHORD DIRECTION: N01°06'03.51"W
 D.O.C CHORD: 00°20'00.00" CHORD LENGTH: 540.56310971
 RADIUS: 17188.73385392 EXTERNAL: 2.12539414
 DELTA ANGLE: 01°48'07.02" MIDDLE ORDINATE: 2.12513137
 TANGENT LENGTH: 270.31497528 RADIAL OUT: N87°59'52.98"E

PI	STATION	NORTHING--(Y)	EASTING--(X)
PI	15504	1208+28.69	249179.38581037
PT	15503	1210+98.96	249449.53579564

DIRECTION	DISTANCE	NO	STATION	NORTHING--(Y)	EASTING--(X)
S01°57'47.15"E	0.00000003				

PC	STATION	NORTHING--(Y)	EASTING--(X)
PC	15503	1210+98.96	249449.53579560
RP	15602	N/A	250049.99898746

CIRCULAR CURVE (CCW) NO. C560 V=70 MPH EMAX=0.06 S=N.C.
 RADIAL IN: N87°59'52.98"E ARC LENGTH: 540.58538836
 D.O.C ARC: 00°20'00.00" CHORD DIRECTION: N01°06'03.51"W
 D.O.C CHORD: 00°20'00.00" CHORD LENGTH: 540.56310973
 RADIUS: 17188.73385392 EXTERNAL: 2.12539414
 DELTA ANGLE: 01°48'07.02" MIDDLE ORDINATE: 2.12513137
 TANGENT LENGTH: 270.31497529 RADIAL OUT: S89°48'00.00"W

PI	STATION	NORTHING--(Y)	EASTING--(X)
PI	15604	1213+69.28	249719.68578087
PT	15603	1216+39.55	249989.99910931

DIRECTION	DISTANCE	NO	STATION	NORTHING--(Y)	EASTING--(X)
N00°12'00.00"W	14638.83270730				

PC	STATION	NORTHING--(Y)	EASTING--(X)
PC	15701	1362+78.38	264628.74263184
RP	15702	N/A	264578.74273338

CIRCULAR CURVE (CCW) NO. C570 V=70 MPH EMAX=0.06 S=N.C.
 RADIAL IN: S89°48'00.00"W ARC LENGTH: 1082.97237422
 D.O.C ARC: 00°24'00.00" CHORD DIRECTION: N02°21'57.40"W
 D.O.C CHORD: 00°24'00.00" CHORD LENGTH: 1082.71445448
 RADIUS: 14323.94487827 EXTERNAL: 10.24096303
 DELTA ANGLE: 04°19'54.80" MIDDLE ORDINATE: 10.23364644
 TANGENT LENGTH: 541.74427281 RADIAL OUT: N85°28'05.20"E

PI	STATION	NORTHING--(Y)	EASTING--(X)
PI	15704	1368+20.13	265170.48360415
PT	15703	1373+61.36	265710.53411935

DIRECTION	DISTANCE	NO	STATION	NORTHING--(Y)	EASTING--(X)
S04°31'47.51"E	0.00000013				

PC	STATION	NORTHING--(Y)	EASTING--(X)
PC	15703	1373+61.36	265710.53411922
RP	15802	N/A	266842.32550519

CIRCULAR CURVE (CCW) NO. C580 V=70 MPH EMAX=0.06 S=N.C.
 RADIAL IN: N85°28'05.20"E ARC LENGTH: 1117.83733419
 D.O.C ARC: 00°24'00.00" CHORD DIRECTION: N02°17'46.37"W
 D.O.C CHORD: 00°24'00.00" CHORD LENGTH: 1117.55369499
 RADIUS: 14323.94487827 EXTERNAL: 10.91392811
 DELTA ANGLE: 04°28'16.86" MIDDLE ORDINATE: 10.90308729
 TANGENT LENGTH: 559.20250075 RADIAL OUT: S89°56'22.06"W

PI	STATION	NORTHING--(Y)	EASTING--(X)
PI	15804	1379+20.56	266267.98827940
PT	15803	1384+79.19	266827.19046798

DIRECTION	DISTANCE	NO	STATION	NORTHING--(Y)	EASTING--(X)
N00°03'37.94"W	306.16958543				

PC	STATION	NORTHING--(Y)	EASTING--(X)
PC	15804	1387+85.36	267133.35988250
RP	15802	N/A	267750.38300849

ALIGNMENT NAME: A800 @ N.W. 178TH
BEGINNING STATION: 1000+00.00
ENDING STATION: 1035+03.25

NO STATION EQUATION	POINT	NODE ID	STATION	NORTHING--(Y)	EASTING--(X)
	BOP	810	1000+00.00	238006.81596372	2089903.49565901

DIRECTION	DISTANCE	NO	STATION	NORTHING--(Y)	EASTING--(X)
N89°37'16.17"E	2094.79107495				

PI	STATION	NORTHING--(Y)	EASTING--(X)
PI	820	1020+94.79	238020.66674286

DIRECTION	DISTANCE	NO	STATION	NORTHING--(Y)	EASTING--(X)
N89°45'59.34"E	1408.45656382				

EOP	STATION	NORTHING--(Y)	EASTING--(X)
EOP	830	1035+03.25	238026.40707241

ALIGNMENT NAME: A900 @ N.W. 192ND
BEGINNING STATION: 1000+00.00
ENDING STATION: 1026+00.00

NO STATION EQUATION	POINT	NODE ID	STATION	NORTHING--(Y)	EASTING--(X)
	BOP	910	1000+00.00	243294.17447298	2090885.04870707

DIRECTION	DISTANCE	NO	STATION	NORTHING--(Y)	EASTING--(X)
N89°58'03.95"E	1089.50155002				

PI	STATION	NORTHING--(Y)	EASTING--(X)
PI	920	1010+89.50	243293.56151232

DIRECTION	DISTANCE	NO	STATION	NORTHING--(Y)	EASTING--(X)
N89°16'25.61"E	1510.49844998				

EOP	STATION	NORTHING--(Y)	EASTING--(X)
EOP	930	1026+00.00	243312.70641559

ALIGNMENT NAME: A1000 @ N.W. 206TH
BEGINNING STATION: 1000+00.00
ENDING STATION: 1026+16.68

NO STATION EQUATION	POINT	NODE ID	STATION	NORTHING--(Y)	EASTING--(X)
	BOP	1010	1000+00.00	248589.96832997	2090544.00082542

DIRECTION	DISTANCE	NO	STATION	NORTHING--(Y)	EASTING--(X)
N89°37'19.18"E	570.00000000				

PC	STATION	NORTHING--(Y)	EASTING--(X)
PC	10501	1005+70.00	248593.72884664
RP	10502	N/A	254323.18215353

CIRCULAR CURVE (CCW) NO. C1050 V=45 MPH EMAX=0.06 S=N.C.
 RADIAL IN: N00°22'40.82"W ARC LENGTH: 358.75525540
 D.O.C ARC: 01°00'00.00" CHORD DIRECTION: N87°49'41.59"E
 D.O.C CHORD: 01°00'00.05" CHORD LENGTH: 358.69665279
 RADIUS: 5729.57799999 EXTERNAL: 2.80961996
 DELTA ANGLE: 03°35'15.19" MIDDLE ORDINATE: 2.80768542
 TANGENT LENGTH: 179.43625618 RADIAL OUT: S03°57'56.01"E

PI	STATION	NORTHING--(Y)	EASTING--(X)
PI	10504	1007+49.44	248594.91265859
PT	10503	1009+28.76	248607.32189630

CIRCULAR CURVE (CCW) NO. C1060 V=45 MPH EMAX=0.06 S=N.C.
 RADIAL IN: S03°57'56.01"E ARC LENGTH: 376.55582146
 D.O.C ARC: 01°00'00.00" CHORD DIRECTION: N87°55'02.00"E
 D.O.C CHORD: 01°00'00.05" CHORD LENGTH: 376.48805604
 RADIUS: 5729.57800000 EXTERNAL: 3.09486388
 DELTA ANGLE: 03°45'56.01" MIDDLE ORDIN