

HORIZONTAL ALIGNMENT DATA INTERSTATE 95 ALTERNATIVE C2

DESIGN BY:
TRANSYSTEMS

FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	ROAD/ROUTE NO.	SHEET NO.
3	S.C.	ORANGEBURG	P041130	I-95	C2
CLARENDON					

ALTERNATIVE C2 I-95 CONSTRUCTION CENTERLINE

Beginning chain 195 Median description

Curve Data				
-----x				
Curve P_C_95MED-1				
P.I. Station	=	5227+91.28 N	609,853.2515 E	2,168,163.5269
Delta	=	1° 47' 53.22" (RT)		
Degree	=	0° 04' 44.50"		
Tangent	=	1,137.7292		
Length	=	2,275.2717		
Radius	=	72,500.0000		
External	=	8.9265		
Long Chord	=	2,275.1783		
Mid. Ord.	=	8.9254		
P.C. Station		5216+53.55 N	610,650.9455 E	2,168,974.7679
P.T. Station		5239+28.82 N	609,081.4053 E	2,167,327.6554
C.C.	= N	662,345.9989 E	2,118,142.9721	
Back	= S	45° 28' 56.67" W		
Ahead	= S	47° 16' 49.89" W		
Chord Bear	= S	46° 22' 53.28" W		

Course from PT P_C_95MED-1 to PC P_C_95MED-2 S 47° 16' 49.89" W Dist 1,738.4754

Curve Data				
-----x				
Curve P_C_95MED-2				
P.I. Station	=	5267+93.19 N	607,138.1892 E	2,165,223.2479
Delta	=	2° 54' 42.28" (RT)		
Degree	=	0° 07' 45.61"		
Tangent	=	1,125.8953		
Length	=	2,251.3059		
Radius	=	44,300.0000		
External	=	14.3051		
Long Chord	=	2,251.0636		
Mid. Ord.	=	14.3005		
P.C. Station		5256+67.30 N	607,902.0071 E	2,166,050.4252
P.T. Station		5279+18.60 N	606,417.3760 E	2,164,358.3384
C.C.	= N	640,448.5106 E	2,135,996.8877	
Back	= S	47° 16' 49.89" W		
Ahead	= S	50° 11' 32.18" W		
Chord Bear	= S	48° 44' 11.03" W		

Ending chain 195 Median description

ALTERNATIVE C2 I-95 SOUTHBOUND RELOCATED CONSTRUCTION CENTERLINE
(LOCATED SOUTH OF I-95 CONSTRUCTION CENTERLINE)

Beginning chain 195 Southbound Split C2 description

Point 9000 N 606,444.3905 E 2,164,335.8246 Sta 5279+18.60
Course from 9000 to PC P_C_SBSPLIT2-1 S 50° 11' 32.18" W Dist 506.4959

Curve Data				
-----x				
Curve P_C_SBSPLIT2-1				
P.I. Station	=	5297+36.88 N	605,280.3039 E	2,162,939.0277
Delta	=	17° 48' 52.91" (LT)		
Degree	=	0° 41' 04.38"		
Tangent	=	1,311.7833		
Length	=	2,602.3964		
Radius	=	8,369.8490		
External	=	102.1725		
Long Chord	=	2,591.9263		
Mid. Ord.	=	100.9403		
P.C. Station		5284+25.10 N	606,120.1250 E	2,163,946.7359
P.T. Station		5310+27.49 N	604,172.4536 E	2,162,236.5726
C.C.	= N	599,690.4307 E	2,169,305.2248	
Back	= S	50° 11' 32.18" W		
Ahead	= S	32° 22' 39.26" W		
Chord Bear	= S	41° 17' 05.72" W		

Ending chain 195 Southbound Split C2 description

ALTERNATIVE C2 I-95 NORTHBOUND RELOCATED CONSTRUCTION CENTERLINE
(LOCATED SOUTH OF I-95 CONSTRUCTION CENTERLINE)

Beginning chain 195 Northbound Split C2 description

Point 4000 N 606,390.3616 E 2,164,380.8521 Sta 5279+18.60
Course from 4000 to PC P_C_NBSPLIT2-1 S 50° 11' 32.18" W Dist 332.4154

Curve Data				
-----x				
Curve P_C_NBSPLIT2-1				
P.I. Station	=	5294+84.74 N	605,387.6957 E	2,163,177.7452
Delta	=	15° 49' 15.07" (LT)		
Degree	=	0° 38' 43.03"		
Tangent	=	1,233.7280		
Length	=	2,451.7583		
Radius	=	8,879.1291		
External	=	85.3016		
Long Chord	=	2,443.9768		
Mid. Ord.	=	84.4899		
P.C. Station		5282+51.02 N	606,177.5449 E	2,164,125.4915
P.T. Station		5307+02.77 N	604,369.3825 E	2,162,481.2375
C.C.	= N	599,356.6231 E	2,169,810.0283	
Back	= S	50° 11' 32.18" W		
Ahead	= S	34° 22' 17.10" W		
Chord Bear	= S	42° 16' 54.64" W		

Ending chain 195 Northbound Split C2 description

ALTERNATIVE C2 I-95 SOUTHBOUND RELOCATED CONSTRUCTION CENTERLINE
(LOCATED NORTH OF I-95 CONSTRUCTION CENTERLINE)

Beginning chain 195 Southbound Split C1 description

Point 7000 N 613,775.1417 E 2,172,207.3241 Sta 5171+57.20
Course from 7000 to PC P_C_SBSPLIT1-1 S 47° 16' 49.89" W Dist 1,179.5218

Curve Data				
-----x				
Curve P_C_SBSPLIT1-1				
P.I. Station	=	5195+13.68 N	612,176.4812 E	2,170,476.0534
Delta	=	1° 47' 53.22" (LT)		
Degree	=	0° 04' 35.02"		
Tangent	=	1,176.9615		
Length	=	2,353.7298		
Radius	=	75,000.0000		
External	=	9.2344		
Long Chord	=	2,353.6332		
Mid. Ord.	=	9.2332		
P.C. Station		5183+36.72 N	612,974.9430 E	2,171,340.7482
P.T. Station		5206+90.45 N	611,351.2803 E	2,169,636.8384
C.C.	= N	557,873.6388 E	2,222,221.4547	
Back	= S	47° 16' 49.89" W		
Ahead	= S	45° 28' 56.67" W		
Chord Bear	= S	46° 22' 53.28" W		

Course from PT P_C_SBSPLIT1-1 to 7001 S 45° 28' 56.67" W Dist 963.1040

Point 7001 N 610,676.0209 E 2,168,950.1113 Sta 5216+53.56

Ending chain 195 Southbound Split C1 description

ALTERNATIVE C2 I-95 NORTHBOUND RELOCATED CONSTRUCTION CENTERLINE
(LOCATED NORTH OF I-95 CONSTRUCTION CENTERLINE)

Beginning chain 195 Northbound Split C1 description

Point 8000 N 613,704.6120 E 2,172,272.4514 Sta 5171+59.80
Course from 8000 to PC P_C_NBSPLIT1-1 S 47° 16' 49.89" W Dist 2,043.0577

Curve Data				
-----x				
Curve P_C_NBSPLIT1-1				
P.I. Station	=	5203+32.74 N	611,552.0591 E	2,169,941.3425
Delta	=	1° 47' 53.22" (LT)		
Degree	=	0° 04' 46.48"		
Tangent	=	1,129.8830		
Length	=	2,259.5806		
Radius	=	72,000.0000		
External	=	8.8650		
Long Chord	=	2,259.4879		
Mid. Ord.	=	8.8639		
P.C. Station		5192+02.86 N	612,318.5824 E	2,170,771.4495
P.T. Station		5214+62.44 N	610,759.8662 E	2,169,135.6961
C.C.	= N	559,421.3305 E	2,219,616.9277	
Back	= S	47° 16' 49.89" W		
Ahead	= S	45° 28' 56.67" W		
Chord Bear	= S	46° 22' 53.28" W		

Course from PT P_C_NBSPLIT1-1 to 8001 S 45° 28' 56.67" W Dist 191.1148

Point 8001 N 610,625.8702 E 2,168,999.4244 Sta 5216+53.55

Ending chain 195 Northbound Split C1 description

				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION ROAD DESIGN COLUMBIA, S.C.	
REV. NO.	BY	DATE	DESCRIPTION OF REVISION	REFERENCE SHEET	
TOPO.		DATE	SQUAD -		
DWG.		DATE			
R/W		DATE			
SCALE N.T.S.				RTE. I-95	DWG. NO. C2