

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Linear	PVT	A 90+50.00	1771.69	125	4.73%				
	POVT	A 91+00.00	1774.05						
	POVT	A 91+50.00	1776.42						
	PVC	A 91+75.00	1777.61						
Symmetrical Parabola	PVC	A 91+75.00	1777.61	270	4.73%	11.96%	37.39	2.44	
	POVC	A 92+00.00	1778.88						
	POVC	A 92+50.00	1781.91						
	POVC	A 93+00.00	1785.62						
	PVI	A 93+10.00	1784						
	POVC	A 93+50.00	1789.99						
	POVC	A 94+00.00	1795.03						
Linear	PVT	A 94+45.00	1800.14	60	11.96%				
	POVT	A 94+50.00	1800.74						
	POVT	A 95+00.00	1806.72						
Symmetrical Parabola	PVC	A 95+05.00	1807.31	60	11.96%	12.54%	102.16	0.04	
	PVI	A 95+35.00	1810.9						
	POVC	A 95+50.00	1812.79						
Linear	PVT	A 95+65.00	1814.66	45	12.54%				
	POVT	A 96+00.00	1819.05						
	PVC	A 96+10.00	1820.31						
Symmetrical Parabola	PVC	A 96+10.00	1820.31	200	12.54%	3.19%	21.37	-2.34	215.32
	POVC	A 96+50.00	1824.95						
	POVC	A 97+00.00	1829.7						
	PVI	A 97+10.00	1832.85						
	POVC	A 97+50.00	1833.28						
	POVC	A 98+00.00	1835.69						
	PVT	A 98+10.00	1836.04						
Linear	PVT	A 98+10.00	1836.04	135	3.19%				
	POVT	A 98+50.00	1837.31						
	POVT	A 99+00.00	1838.9						
	PVC	A 99+45.00	1840.33						
Symmetrical Parabola	PVC	A 99+45.00	1840.33	200	3.19%	6.47%	60.8	0.82	
	POVC	A 99+50.00	1840.5						
	POVC	A 100+00.00	1842.34						
	PVI	A 100+45.00	1843.52						
	POVC	A 100+50.00	1844.59						
	POVC	A 101+00.00	1847.25						
	PVT	A 101+45.00	1849.99						
Linear	PVT	A 101+45.00	1849.99	200	6.47%				
	POVT	A 101+50.00	1850.32						
	POVT	A 102+00.00	1853.56						
	POVT	A 102+50.00	1856.79						
	POVT	A 103+00.00	1860.03						
	PVC	A 103+45.00	1862.94						
	PVC	A 103+45.00	1862.94						
Symmetrical Parabola	POVC	A 103+50.00	1863.27	150	6.47%	7.01%	278.69	0.1	
	POVC	A 104+00.00	1866.56						
	PVI	A 104+20.00	1867.9						
	POVC	A 104+50.00	1869.94						
Linear	PVT	A 104+95.00	1873.05	55	7.01%				
	POVT	A 105+00.00	1873.41						
	PVC	A 105+50.00	1876.92						
	PVC	A 105+50.00	1876.92						
Symmetrical Parabola	PVI	A 105+75.00	1878.67	50	7.01%	6.53%	104.26	-0.03	2275.25
	PVRC	A 106+00.00	1880.3						
	PVRC	A 106+00.00	1880.3						
Symmetrical Parabola	POVC	A 106+50.00	1883.76	130	6.53%	8.48%	66.91	0.32	
	PVI	A 106+65.00	1884.55						
	POVC	A 107+00.00	1887.58						
	PVT	A 107+30.00	1890.06						
	PVT	A 107+30.00	1890.06						
Linear	POVT	A 107+50.00	1891.75	95	8.48%				
	POVT	A 108+00.00	1895.99						
	PVC	A 108+25.00	1898.11						
	PVC	A 108+25.00	1898.11						
Symmetrical Parabola	POVC	A 108+50.00	1900.22	100	8.48%	8.25%	442.11	-0.03	4820.98
	PVI	A 108+75.00	1902.35						
	POVC	A 109+00.00	1904.41						
	PVT	A 109+25.00	1906.48						
	PVT	A 109+25.00	1906.48						
Linear	PVT	A 109+25.00	1906.48	125	8.25%				
	POVT	A 109+50.00	1906.54						
	POVT	A 110+00.00	1912.66						
	PVC	A 110+50.00	1916.79						
Symmetrical Parabola	PVC	A 110+50.00	1916.79	90	8.25%	9.09%	106.54	0.1	
	PVI	A 110+95.00	1920.5						
	POVC	A 111+00.00	1921.03						
	PVRC	A 111+40.00	1924.59						
Symmetrical Parabola	PVRC	A 111+40.00	1924.59	100	9.09%	8.63%	214.79	-0.06	2367.91
	POVC	A 111+50.00	1925.5						
	PVI	A 111+90.00	1929.14						
	POVC	A 112+00.00	1929.97						
	PVT	A 112+40.00	1933.45						
Linear	PVT	A 112+40.00	1933.45	35	8.63%				
	POVT	A 112+50.00	1934.32						
	PVC	A 112+75.00	1936.47						
	PVC	A 112+75.00	1936.47						
Symmetrical Parabola	POVC	A 112+75.00	1936.47	310	8.63%	12.72%	75.84	1.58	
	POVC	A 113+00.00	1938.67						
	POVC	A 113+50.00	1943.32						
	POVC	A 114+00.00	1948.29						
	PVI	A 114+30.00	1949.85						
	POVC	A 114+50.00	1953.6						
	POVC	A 115+00.00	1959.23						
	PVT	A 115+50.00	1965.19						
PVT	A 115+85.00	1969.56							

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Element: Linear	PVT	A 115+85.00	1969.56	80	12.72%				
	POVT	A 116+00.00	1971.47						
	POVT	A 116+50.00	1977.83						
	PVC	A 116+65.00	1979.73						
Element: Symmetrical Parabola	PVC	A 116+65.00	1979.73	60	12.72%	11.93%	75.93	-0.06	1395.75
	PVI	A 116+95.00	1983.55						
	POVC	A 117+00.00	1984.11						
Element: Linear	PVT	A 117+25.00	1987.13	125	11.93%				
	POVT	A 117+25.00	1987.13						
	POVT	A 117+50.00	1990.11						
	POVT	A 118+00.00	1996.07						
Element: Symmetrical Parabola	PVC	A 118+50.00	2002.04	100	11.93%	13.41%	67.54	0.19	
	PVI	A 119+00.00	2008						
	POVC	A 119+00.00	2008.19						
	PVT	A 119+50.00	2014.7						
	PVT	A 119+50.00	2014.7						
Element: Linear	PVT	A 119+50.00	2014.7	35	13.41%				
	PVC	A 119+85.00	2019.4						
Element: Symmetrical Parabola	PVC	A 119+85.00	2019.4	100	13.41%	11.89%	65.94	-0.19	761.61
	POVC	A 120+00.00	2021.39						
	PVI	A 120+35.00	2026.1						
	POVC	A 120+50.00	2027.79						
	PVRC	A 120+85.00	2032.05						
Element: Symmetrical Parabola	PVRC	A 120+85.00	2032.05	120	11.89%	13.50%	74.65	0.24	
	POVC	A 121+00.00	2033.84						
	PVI	A 121+45.00	2039.18						
	POVC	A 121+50.00	2040.06						
	POVC	A 122+00.00	2046.61						
	PVT	A 122+05.00	2047.28						
	PVT	A 122+05.00	2047.28						
Element: Linear	POVT	A 122+50.00	2053.35	130	13.50%				
	POVT	A 123+00.00	2060.1						
	PVC	A 123+35.00	2064.83						
	PVC	A 123+35.00	2064.83						
Element: Symmetrical Parabola	POVC	A 123+50.00	2066.84	230	13.50%	10.94%	89.84	-0.74	536.54
	POVC	A 124+00.00	2073.37						
	POVC	A 124+50.00	2079.61						
	PVI	A 124+50.00	2080.35						
	POVC	A 125+00.00	2085.58						
	POVC	A 125+50.00	2091.28						
	PVT	A 125+65.00	2092.93						
	PVT	A 125+65.00	2092.93						
	POVT	A 126+00.00	2096.76						
	POVT	A 126+50.00	2102.23						
Element: Linear	POVT	A 127+00.00	2107.7	330	10.94%				
	POVT	A 127+50.00	2113.16						
	POVT	A 128+00.00	2118.63						
	POVT	A 128+50.00	2124.1						
	PVC	A 128+95.00	2129.03						
	PVC	A 128+95.00	2129.03						
	PVC	A 129+00.00	2129.57						
Element: Symmetrical Parabola	POVC	A 129+50.00	2135.13	180	10.94%	12.02%	196.99	0.24	
	PVI	A 129+85.00	2138.97						
	POVC	A 130+00.00	2140.84						
	POVC	A 130+50.00	2146.7						
	PVCC	A 130+75.00	2148.69						
Element: Symmetrical Parabola	PVCC	A 130+75.00	2148.69	150	12.02%	13.96%	77.32	0.36	
	POVC	A 131+00.00	2152.73						
	POVC	A 131+50.00	2159.06						
	PVI	A 131+50.00	2158.7						
	POVC	A 132+00.00	2165.72						
Element: Linear	PVT	A 132+25.00	2169.17	150	13.96%				
	POVT	A 132+50.00	2172.66						
	POVT	A 133+00.00	2179.64						
	POVT	A 133+50.00	2186.62						
	PVC	A 133+75.00	2190.11						
	PVC	A 133+75.00	2190.11						
	PVC	A 134+00.00	2193.43						
Element: Symmetrical Parabola	POVC	A 134+00.00	2193.43	220	13.96%	2.35%	18.96	-3.19	202.28
	POVC	A 134+50.00	2199.09						
	PVI	A 134+85.00	2205.46						
	POVC	A 135+00.00	2203.43						
	POVC	A 135+50.00	2206.46						
Element: Linear	PVT	A 135+95.00	2208.05	60.6	2.35%				
	POVT	A 135+95.00	2208.05						
	POVT	A 136+00.00	2208.17						
	POVT	A 136+50.00	2209.34						
	POE	A 136+55.60	2209.48						

PVC - POINT OF VERTICAL CURVATURE
PVT - POINT OF VERTICAL TANGENCY
PVI - POINT OF VERTICAL INTERSECTION
POVT - POINT ON VERTICAL TANGENT
POV - POINT ON VERTICAL CURVE

**VERTICAL
ALIGNMENT
TABLE
SHEET 5**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10CI90.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10CI90_I12.I

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 12 OF 178