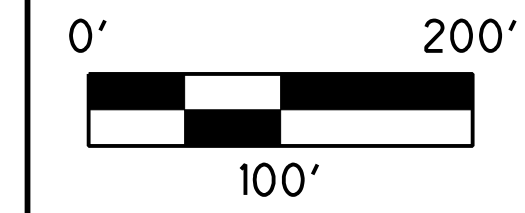
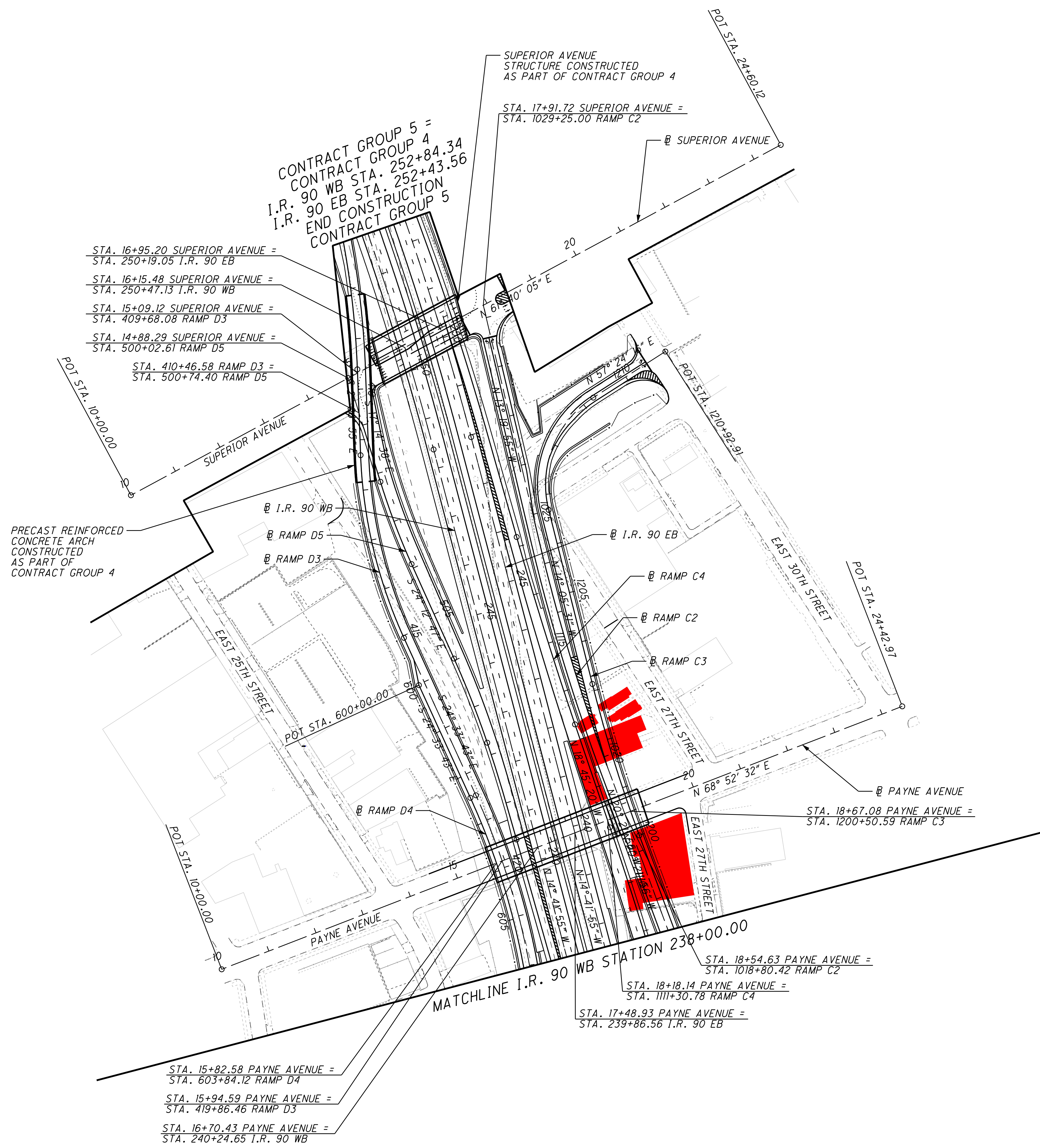


**CONTRACT GROUP 5  
 PLAN - SHEET 2**



APRIL 1, 2010

**DRAFT**



**I.R. 90 WB**

P.I. STA. 251+65.88  
 $\Delta = 6^\circ 33' 24''$  (LT)  
 $D_c = 1^\circ 00' 00''$   
 $R = 5,729.58'$   
 $T = 328.20'$   
 $L = 655.68'$   
 $E = 9.39'$   
 P.C. STA. 248+37.68  
 P.R.C. STA. 254+93.36  
 $e_{max} = 0.027$   
 $V_{DES} = 60$  MPH  
 WIDENING = N/A

**I.R. 90 EB**

P.I. STA. 251+15.79  
 $\Delta = 6^\circ 23' 46''$  (LT)  
 $D_c = 1^\circ 00' 00''$   
 $R = 5,729.58'$   
 $T = 320.14'$   
 $L = 639.62'$   
 $E = 8.94'$   
 P.C. STA. 247+95.65  
 P.R.C. STA. 254+35.26  
 $e_{max} = 0.027$   
 $V_{DES} = 60$  MPH  
 WIDENING = N/A

**RAMP C2**

P.I. STA. 1022+10.97  
 $\Delta = 7^\circ 02' 01''$  (RT)  
 $D_c = 1^\circ 30' 00''$   
 $R = 3,819.72'$   
 $T = 234.75'$   
 $L = 468.91'$   
 $E = 7.21'$   
 P.C. STA. 1019+76.22  
 P.T. STA. 1024+45.12  
 $e_{max} = 0.024$   
 $V_{DES} = 45$  MPH  
 WIDENING = N/A

**RAMP C3**

P.I. STA. 1201+57.00  
 $\Delta = 6^\circ 16' 25''$  (RT)  
 $D_c = 2^\circ 00' 00''$   
 $R = 2,864.79'$   
 $T = 157.00'$   
 $L = 313.68'$   
 $E = 4.30'$   
 P.C. STA. 1200+00.00  
 P.T. STA. 1203+13.68  
 $e_{max} = 0.030$   
 $V_{DES} = 45$  MPH  
 WIDENING = N/A

**RAMP C4**

P.I. STA. 1109+49.72  
 $\Delta = 2^\circ 29' 37''$  (LT)  
 $D_c = 0^\circ 45' 00''$   
 $R = 7,639.44'$   
 $T = 166.27'$   
 $L = 332.48'$   
 $E = 1.81'$   
 P.C. STA. 1107+83.46  
 P.T. STA. 1111+15.94  
 $e_{max} = NC$   
 $V_{DES} = 50$  MPH  
 WIDENING = N/A

**RAMP C4**

P.I. STA. 1208+15.75  
 $\Delta = 71^\circ 29' 47''$  (RT)  
 $D_c = 28^\circ 00' 00''$   
 $R = 204.63'$   
 $T = 147.30'$   
 $L = 255.34'$   
 $E = 47.50'$   
 P.C. STA. 1206+68.45  
 P.T. STA. 1209+23.80  
 $e_{max} = 0.057$   
 $V_{DES} = 25$  MPH  
 WIDENING = N/A

**RAMP D3**

P.I. STA. 1115+25.05  
 $\Delta = 2^\circ 54' 40''$  (RT)  
 $D_c = 0^\circ 45' 00''$   
 $R = 7,639.44'$   
 $T = 194.11'$   
 $L = 388.14'$   
 $E = 2.47'$   
 P.C. STA. 1113+30.94  
 P.T. STA. 1117+19.08  
 $e_{max} = NC$   
 $V_{DES} = 50$  MPH  
 WIDENING = N/A

**RAMP D4**

P.I. STA. 604+54.52  
 $\Delta = 16^\circ 46' 57''$  (RT)  
 $D_c = 4^\circ 02' 02''$   
 $R = 1,420.39'$   
 $T = 129.52'$   
 $L = 416.05'$   
 $E = 15.37'$   
 P.C. STA. 602+44.99  
 P.T. STA. 606+61.04  
 $e_{max} = 0.046$   
 $V_{DES} = 45$  MPH  
 WIDENING = N/A

**RAMP D3**

P.I. STA. 406+78.18  
 $\Delta = 18^\circ 31' 23''$  (RT)  
 $D_c = 3^\circ 15' 00''$   
 $R = 1,762.95'$   
 $T = 287.48'$   
 $L = 569.94'$   
 $E = 23.29'$   
 P.R.C. STA. 403+90.70  
 P.T. STA. 409+60.64  
 $e_{max} = 0.047$   
 $V_{DES} = 50$  MPH  
 WIDENING = N/A

**RAMP D5**

P.I. STA. 503+04.55  
 $\Delta = 6^\circ 58' 09''$  (LT)  
 $D_c = 4^\circ 00' 00''$   
 $R = 1,432.39'$   
 $T = 87.22'$   
 $L = 174.23'$   
 $E = 2.65'$   
 P.C. STA. 502+17.33  
 P.T. STA. 503+91.56  
 $e_{max} = 0.028$   
 $V_{DES} = 30$  MPH  
 WIDENING = N/A

**RAMP D3**

P.I. STA. 413+19.84  
 $\Delta = 22^\circ 24' 48''$  (LT)  
 $D_c = 6^\circ 00' 00''$   
 $R = 954.93'$   
 $T = 189.20'$   
 $L = 373.55'$   
 $E = 18.56'$   
 P.C. STA. 411+30.64  
 P.T. STA. 415+04.20  
 $e_{max} = 0.055$   
 $V_{DES} = 45$  MPH  
 WIDENING = N/A

**RAMP D5**

P.I. STA. 506+85.89  
 $\Delta = 5^\circ 22' 07''$  (RT)  
 $D_c = 3^\circ 00' 00''$   
 $R = 1,909.86'$   
 $T = 89.54'$   
 $L = 178.95'$   
 $E = 2.10'$   
 P.C. STA. 505+96.35  
 C.S. STA. 507+75.30  
 $e_{max} = 0.039$   
 $V_{DES} = 45$  MPH  
 WIDENING = N/A

**RAMP D3**

P.I. STA. 420+57.91  
 $\Delta = 16^\circ 46' 57''$  (RT)  
 $D_c = 4^\circ 00' 00''$   
 $R = 1,432.39'$   
 $T = 211.29'$   
 $L = 419.56'$   
 $E = 15.50'$   
 P.C. STA. 418+46.61  
 P.T. STA. 422+66.17  
 $e_{max} = 0.046$   
 $V_{DES} = 45$  MPH  
 WIDENING = N/A

**RAMP D5**

P.I. STA. 508+41.99  
 $L_s = 200.00'$   
 $B_s = 3^\circ 00' 00''$   
 $LT = 133.35'$   
 $ST = 66.68'$   
 $x = 199.95'$   
 $y = 3.49'$   
 $k = 99.99'$   
 $p = 0.87'$   
 C.S. STA. 507+75.30  
 S.T. STA. 509+75.30