Appendix A

Rail Measurement Post Rail CAT System Wide
Figure 1 Curve p1 High Rail

Figure 2 Curve p1 Low Rail
Figure 3  Tangent 1-2 Left Rail

Figure 4  Curve p2 High Rail
Figure 5 Curve p2 Low Rail

Figure 6 Tangent 2-3 Left Rail
Figure 7  Tangent 2-3 Right Rail

Figure 8 Curve p3 High Rail
Figure 9 Curve p3 Low Rail

Figure 10 Tangent 3-4 Left Rail
**Figure 11** Tangent 3-4 Right Rail

**Figure 12** Curve p4 High Rail
Figure 13 Curve p4 Low Rail

Figure 14 Tangent 4-5 Left Rail
Figure 15 Tangent 4-5 Right Rail

Figure 16 Curve p5 High Rail
Figure 17 Curve p5 Low Rail

Figure 18 Tangent 5-6 Left Rail
Figure 19 Tangent 5-6 Right Rail

Figure 20 Curve p6 Low Rail
Figure 21 Tangent 6-7 Right Rail

Figure 22 Curve p7 High Rail
Figure 23 Curve p7 Low Rail

Figure 24 Tangent 7-8 Left Rail
Figure 25 Tangent 7-8 Right Rail

Figure 26 Curve p8 High Rail
Figure 27 Curve p8 Low Rail

Figure 28 Tangent 8-9 Left Rail
Figure 29 Tangent 8-9 Right Rail

Figure 30 Curve p9 High Rail
Figure 31 Curve p9 Low Rail

Figure 32 Tangent 9-10 Left Rail
Figure 33 Tangent 9-10 Right Rail

Figure 34 Curve p10 High Rail
Figure 35: Tangent 10-11 Left Rail

Figure 36: Tangent 10-11 Right Rail
Figure 37 Curve p11 High Rail

Figure 38 Curve p11 Low Rail
Figure 39 Tangent 11-12 Left Rail

Figure 40 Tangent 11-12 Right Rail
Figure 41 Curve p12 High Rail

Figure 42 Curve p12 Low Rail
Figure 43 Tangent 12-13 Left Rail

Figure 44 Tangent 12-13 Right Rail
Figure 45 Tangent 13-14 Left Rail

Figure 46 Tangent 13-14 Right Rail
Figure 47 Curve p14 High Rail

Figure 48 Curve p14 Low Rail
Figure 49 Tangent 14-15 Left Rail

Figure 50 Tangent 14-15 Right Rail
Figure 51 Curve p15 High Rail

Figure 52 Curve p15 Low Rail
Figure 55 Curve p16 High Rail

Figure 56 Curve p16 Low Rail
Figure 57 Tangent 16-17 Left Rail

Figure 58 Tangent 16-17 Right Rail
Figure 59 Curve p17 High Rail

Figure 60 Curve p17 Low Rail
Figure 61 Tangent 17-18 Left Rail

Figure 62 Tangent 17-18 Right Rail
Figure 63 Curve p18 High Rail

Figure 64 Curve p18 Low Rail
Figure 65 Tangent 18-19 Left Rail

Figure 66 Tangent 18-19 Right Rail
Figure 67 Curve p19 High Rail

Figure 68 Curve p19 Low Rail
Figure 69 Tangent 19-20 Right

Figure 70 Curve p20 High Rail
Figure 71 Curve p20 Low Rail

Figure 72 Tangent 20-21 Left Rail
Figure 73 Tangent 20-21 Right Rail

Figure 74 Curve p21 High Rail
Figure 75 Curve p21 Low Rail

Figure 76 Tangent 21-22 Left Rail
Figure 77 Tangent 21-22 Right Rail

Figure 78 Tangent 22-23 Left Rail
**Figure 79** Tangent 22-23 Right Rail

**Figure 80** Curve p23 High Rail
Figure 81 Curve p23 Low Rail

Figure 82 Tangent 23-24 Left Rail
Figure 83 Tangent 23-24 Right Rail

Figure 84 Tangent 24-25 Left Rail
Figure 85 Tangent 24-25 Right Rail

Figure 86 Curve p25 High Rail
Figure 89 Tangent 25-26 Right Rail

Figure 90 Curve p26 Low Rail
Figure 93 Curve p27 High Rail

Figure 94 Curve p27 Low Rail
Figure 97 Curve p28 High Rail

Figure 98 Curve p28 Low Rail
Figure 99 Tangent 28-29 Left Rail

Figure 100 Tangent 28-29 Right Rail
Figure 101 Curve p29 High Rail

Figure 102 Curve p29 Low Rail
Figure 103 Tangent 29-30 Left Rail

Figure 104 Tangent 29-30 Right Rail
Figure 105 Curve p30 High Rail

Figure 106 Curve p30 Low Rail
Figure 107 Tangent 30-31 Left Rail

Figure 108 Tangent 30-31 Right Rail
Figure 109 Curve p31 High Rail

Figure 110 Curve p31 Low Rail
Figure 111 Tangent 31-32 Left Rail

Figure 112 Tangent 31-32 Right Rail
Figure 113 Curve p32 High Rail

Figure 114 Curve p32 Low Rail
Figure 115 Tangent 32-33 Left Rail

Figure 116 Curve p33 High Rail
Figure 117 Curve p33 Low Rail

Figure 118 Tangent 33-34 Left Rail
Figure 119 Tangent 33-34 Right Rail

Figure 120 Curve p34 High Rail
Figure 121 Curve p34 Low Rail

Figure 122 Tangent 34-35 Left Rail
Figure 123 Tangent 34-35 Right Rail

Figure 124 Curve p35 High Rail
Figure 125 Curve p35 Low Rail

Figure 126 Tangent 35-36 Left Rail
Figure 127 Tangent 35-36 Right Rail

Figure 128 Curve p36 High Rail
Figure 129 Curve p36 Low Rail

Figure 130 Tangent 36-1 Left Rail
Figure 131 Tangent 36-1 Right Rail

Figure 132 51/52+20