



American Welding Society®

Certifies that Welding Inspector

(b)(6)

*has complied with the requirements of AWS QC1,
Standard for AWS Certification of Welding Inspectors*

(b)(6)

CERTIFICATE NUMBER

Jan/01/2026

EXPIRATION DATE



W. Richard Poloni

AWS PRESIDENT

Richard L. Poloni

AWS QUALIFICATION & CERTIFICATION
COMMITTEE CHAIR

API INDIVIDUAL CERTIFICATION PROGRAMS



verifies that

(b)(6)

HAS MET THE ESTABLISHED AND PUBLISHED REQUIREMENTS FOR API CERTIFICATION AS AN

API 1169 PIPELINE CONSTRUCTION INSPECTOR

IN ACCORDANCE WITH THE KNOWLEDGE DEFINED IN THE API Recommended Practice 1169

CERTIFICATION NUMBER 97378

ORIGINAL CERTIFICATION DATE	October 31, 2020
CURRENT CERTIFICATION DATE	October 31, 2023
EXPIRATION DATE	October 31, 2026

Director, Individual Certification Programs





FIELD B20-749C Bend Listing

CUSTOMER/CONTRACTOR **EQT / Mountain Valley Pipeline/ Precision Pipeline**
 CUSTOMER LINE ID **Mountain Valley Pipeline Project Spread A - Section 2**
 JOB NUMBER **B20-749C**
 LAUNCH STATION **Bradshaw Station**
Smithfield, WV
 RECEIVE STATION **Highway 20**
Smithfield, WV
 PIPELINE LENGTH **13 mi**

PIPE DIAMETER **42.000 in**
 WALL THICKNESS **.617 in**
 PRODUCT **Air ~ 12,000 CFM ~ 30 PSI**
 RUN DATE **8-Nov-2023**
 FIELD ENGINEER **Chad McElfresh**
 CHART ANALYST **Chad McElfresh**
 REPORT DATE **11/09/2023**
 ISSUE # **1**

Event ID	Bend Dees	Bend Angle	Bend Direction	Comment	Enduro Station	Projected Station	Customer Station	Avg Mile Post	MCSD
B1	3.0	46	Down	Before u/s w.: 0.6%(0.239) MCSD: 40.3 ID:40.5 mph:6.6 Clk:2 to 8 After d/s w. : 1.6%(0.653) MCSD: 39.8 ID:40.5 mph:11.4 Clk:5 to 11 MPH coming into Bend (-10ft): 7.0 Leaving Bend (+10ft): 8.1 Min MPH over range: 4.5 at index 754997	31.43	0+31		.01	39.34
B2	3.0	44	Up	Before u/s w.: 0.9%(0.395) MCSD: 39.9 ID:40.5 mph:11.6 Clk:4 to 10 After d/s w. : 0.6%(0.263) MCSD: 39.9 ID:40.5 mph:7.0 Clk:5 to 11 MPH coming into Bend (-10ft): 10.6 Leaving Bend (+10ft): 7.2 Min MPH over range: 5.3 at index 757551	44.12	0+44		.01	39.70
B3	3.0	13	Up	Before u/s w.: 0.8%(0.326) MCSD: 39.9 ID:40.5 mph:16.4 Clk:0 to 6 After d/s w. : 0.8%(0.352) MCSD: 40.1 ID:40.5 mph:16.6 Clk:5 to 11 MPH coming into Bend (-10ft): 14.4 Leaving Bend (+10ft): 15.5 Min MPH over range: 14.0 at index 762417	87.82	149+50		.02	39.64
B4	3.0	23	Right	Before u/s w.: 0.9%(0.385) MCSD: 40.1 ID:40.5 mph:12.5 Clk:5 to 11 After d/s w. : 0.7%(0.309) MCSD: 40.2 ID:40.5 mph:11.3 Clk:5 to 11 MPH coming into Bend (-10ft): 13.0 Leaving Bend (+10ft): 11.5 Min MPH over range: 10.1 at index 770818	153.84	150+16		.03	39.44

B5	3.0	24	Left	Before u/s w.: 0.8%(0.347) MCSD: 40.1 ID:40.5 mph:16.1 Clk:6 to 12 After d/s w.: 0.7%(0.279) MCSD: 40.2 ID:40.5 mph:14.2 Clk:6 to 12 MPH coming into Bend (-10ft): 15.3 Leaving Bend (+10ft): 14.6 Min MPH over range: 14.0 at index 795681	358.99	152+21	.07	39.56
B6	3.0	24	Right	Before u/s w.: 1.5%(0.610) MCSD: 39.8 ID:40.5 mph:16.9 Clk:4 to 10 After d/s w.: 1.2%(0.502) MCSD: 39.9 ID:40.5 mph:16.1 Clk:4 to 10 MPH coming into Bend (-10ft): 17.0 Leaving Bend (+10ft): 16.1 Min MPH over range: 15.3 at index 805901	453.99	153+16	.09	39.09
B7	3.0	67	Left	Before u/s w.: 1.3%(0.547) MCSD: 40.0 ID:40.5 mph:6.6 Clk:5 to 11 After d/s w.: 0.5%(0.194) MCSD: 40.3 ID:40.5 mph:9.3 Clk:4 to 10 MPH coming into Bend (-10ft): 7.3 Leaving Bend (+10ft): 8.8 Min MPH over range: 4.9 at index 818513	553.09	154+16	.10	39.35
B8	3.0	46	Left	Before u/s w.: 0.2%(0.068) MCSD: 40.7 ID:40.8 mph:15.4 Clk:1 to 7 After d/s w.: 1.0%(0.436) MCSD: 40.2 ID:40.8 mph:13.5 Clk:3 to 9 MPH coming into Bend (-10ft): 14.7 Leaving Bend (+10ft): 16.6 Min MPH over range: 13.5 at index 1015862	2191.08	170+54	.41	39.20
B9	3.0	41	Right	Before u/s w.: 0.5%(0.208) MCSD: 40.5 ID:40.8 mph:9.0 Clk:4 to 10 After d/s w.: 0.2%(0.079) MCSD: 40.7 ID:40.8 mph:5.8 Clk:3 to 9 MPH coming into Bend (-10ft): 9.8 Leaving Bend (+10ft): 6.9 Min MPH over range: 5.7 at index 1120034	3058.40	179+21	.58	40.31
B10	3.0	27	Left	Before u/s w.: 0.7%(0.309) MCSD: 40.5 ID:40.8 mph:5.9 Clk:1 to 7 After d/s w.: 0.6%(0.246) MCSD: 40.5 ID:40.8 mph:7.1 Clk:2 to 8 MPH coming into Bend (-10ft): 3.5 Leaving Bend (+10ft): 7.8 Min MPH over range: 2.1 at index 1214350	3860.54	187+23	.73	40.00

B11	3.0	23	Down-Left	Before u/s w.: 0.2%(0.078) MCSD: 40.6 ID:40.8 mph:18.9 Clk:1 to 7 After d/s w.: 2.0%(0.823) MCSD: 39.2 ID:40.5 mph:24.8 Clk:3 to 9 MPH coming into Bend (-10ft): 19.2 Leaving Bend (+10ft): 21.7 Min MPH over range: 18.0 at index 1225306	3945.66	188+08	.75	38.36
B12	3.0	30	Left	Before u/s w.: 0.9%(0.398) MCSD: 40.3 ID:40.8 mph:12.1 Clk:5 to 11 After d/s w.: 0.7%(0.280) MCSD: 40.4 ID:40.8 mph:14.0 Clk:4 to 10 MPH coming into Bend (-10ft): 12.9 Leaving Bend (+10ft): 14.9 Min MPH over range: 12.0 at index 1317800	4717.64	195+80	.89	39.75
B13	3.0	37	Right	Before u/s w.: 0.9%(0.395) MCSD: 40.4 ID:40.8 mph:1.1 Clk:5 to 11 After d/s w.: 0.9%(0.365) MCSD: 40.4 ID:40.8 mph:1.1 Clk:5 to 11 MPH coming into Bend (-10ft): 1.4 Leaving Bend (+10ft): 0.7 Min MPH over range: 0.1 at index 1399536	5398.45	202+61	1.02	40.01
B14	3.0	43	Right	Before u/s w.: 0.5%(0.223) MCSD: 40.6 ID:40.8 mph:9.1 Clk:3 to 9 After d/s w.: 0.2%(0.086) MCSD: 40.7 ID:40.8 mph:8.1 Clk:3 to 9 MPH coming into Bend (-10ft): 9.2 Leaving Bend (+10ft): 9.6 Min MPH over range: 6.5 at index 1711850	8000.98	228+63	1.52	40.35
B15	3.0	32	Left	Before u/s w.: 0.7%(0.294) MCSD: 40.5 ID:40.8 mph:6.3 Clk:6 to 12 After d/s w.: 0.2%(0.080) MCSD: 40.7 ID:40.8 mph:6.0 Clk:6 to 12 MPH coming into Bend (-10ft): 6.2 Leaving Bend (+10ft): 8.2 Min MPH over range: 5.2 at index 1853740	9178.27	240+41	1.74	40.05
B16	3.0	25	Right	Before u/s w.: 0.7%(0.294) MCSD: 40.4 ID:40.8 mph:11.9 Clk:1 to 7 After d/s w.: 0.5%(0.227) MCSD: 40.6 ID:40.8 mph:9.6 Clk:2 to 8 MPH coming into Bend (-10ft): 12.3 Leaving Bend (+10ft): 10.9 Min MPH over range: 9.1 at index 2063243	10927.43	257+90	2.07	39.73

B17	3.0	47	Left	Before u/s w.: 1.5%(0.626) MCSD: 40.2 ID:40.8 mph:12.4 Clk:6 to 12 After d/s w.: 1.7%(0.732) MCSD: 40.1 ID:40.8 mph:9.2 Clk:1 to 7 MPH coming into Bend (-10ft): 13.6 Leaving Bend (+10ft): 11.0 Min MPH over range: 8.9 at index 2124796	11432.62	262+95	2.17	39.51
B18	3.0	18	Right	Before u/s w.: 0.6%(0.263) MCSD: 40.3 ID:40.5 mph:12.2 Clk:2 to 8 After d/s w.: 1.1%(0.470) MCSD: 39.7 ID:40.5 mph:14.4 Clk:2 to 8 MPH coming into Bend (-10ft): 10.2 Leaving Bend (+10ft): 14.8 Min MPH over range: 10.2 at index 2170227	11828.52	266+91	2.24	39.63
B19	3.0	21	Up	Before u/s w.: 0.6%(0.251) MCSD: 40.3 ID:40.5 mph:11.8 Clk:1 to 7 After d/s w.: 1.1%(0.482) MCSD: 40.1 ID:40.5 mph:8.3 Clk:6 to 12 MPH coming into Bend (-10ft): 11.5 Leaving Bend (+10ft): 6.1 Min MPH over range: 6.1 at index 2190401	11975.03	268+37	2.27	39.72
B20	3.0	32	Left	Before u/s w.: 2.2%(0.922) MCSD: 39.6 ID:40.5 mph:5.0 Clk:4 to 10 After d/s w.: 2.4%(0.995) MCSD: 39.5 ID:40.5 mph:5.2 Clk:3 to 9 MPH coming into Bend (-10ft): 5.2 Leaving Bend (+10ft): 4.9 Min MPH over range: 4.6 at index 2207003	12114.57	269+77	2.29	38.66
B21	3.0	19	Up	Before u/s w.: 0.9%(0.385) MCSD: 40.2 ID:40.5 mph:0.4 Clk:3 to 9 After d/s w.: 0.6%(0.239) MCSD: 40.3 ID:40.5 mph:1.6 Clk:2 to 8 MPH coming into Bend (-10ft): 0.2 Leaving Bend (+10ft): 2.9 Min MPH over range: 0.1 at index 2247401	12460.32	273+23	2.36	39.98
B22	3.0	21	Down-Left	Before u/s w.: 0.3%(0.140) MCSD: 40.4 ID:40.5 mph:7.9 Clk:2 to 8 After d/s w.: 0.7%(0.282) MCSD: 40.2 ID:40.5 mph:9.6 Clk:3 to 9 MPH coming into Bend (-10ft): 6.4 Leaving Bend (+10ft): 10.3 Min MPH over range: 6.4 at index 2250116	12494.64	273+57	2.37	39.85

B23	3.0	47	Up	Before u/s w.: 1.4%(0.572) MCSD: 40.0 ID:40.5 mph:4.5 Clk:3 to 9 After d/s w.: 1.3%(0.548) MCSD: 39.9 ID:40.5 mph:0.8 Clk:2 to 8 MPH coming into Bend (-10ft): 8.2 Leaving Bend (+10ft): 0.9 Min MPH over range: 0.0 at index 2257582	12545.94	274+08	2.38	39.48
B24	3.0	17	Down-Left	Before u/s w.: 0.8%(0.336) MCSD: 40.2 ID:40.5 mph:5.1 Clk:4 to 10 After d/s w.: 0.9%(0.361) MCSD: 40.2 ID:40.5 mph:7.1 Clk:3 to 9 MPH coming into Bend (-10ft): 5.0 Leaving Bend (+10ft): 6.5 Min MPH over range: 4.9 at index 2264854	12608.80	274+71	2.39	39.51
B25	3.0	25	Right	Before u/s w.: 0.7%(0.307) MCSD: 40.2 ID:40.5 mph:15.6 Clk:1 to 7 After d/s w.: 0.5%(0.230) MCSD: 40.5 ID:40.8 mph:14.9 Clk:1 to 7 MPH coming into Bend (-10ft): 15.9 Leaving Bend (+10ft): 17.0 Min MPH over range: 14.2 at index 2314448	13020.03	278+82	2.47	39.59
B26	3.0	30	Down-Left	Before u/s w.: 1.8%(0.741) MCSD: 39.8 ID:40.5 mph:19.0 Clk:5 to 11 After d/s w.: 1.0%(0.437) MCSD: 40.0 ID:40.5 mph:20.4 Clk:5 to 11 MPH coming into Bend (-10ft): 18.7 Leaving Bend (+10ft): 21.8 Min MPH over range: 17.2 at index 2435068	14033.07	288+96	2.66	39.05
B27	3.0	32	Up	Before u/s w.: 0.5%(0.226) MCSD: 40.3 ID:40.5 mph:14.7 Clk:2 to 8 After d/s w.: 0.9%(0.374) MCSD: 40.2 ID:40.5 mph:10.6 Clk:3 to 9 MPH coming into Bend (-10ft): 13.2 Leaving Bend (+10ft): 8.4 Min MPH over range: 8.3 at index 2607118	15447.02	303+09	2.93	39.69
B28	3.0	75	Right	Before u/s w.: 0.3%(0.131) MCSD: 40.4 ID:40.5 mph:0.2 Clk:2 to 8 After d/s w.: 0.8%(0.326) MCSD: 40.2 ID:40.5 mph:0.7 Clk:3 to 9 MPH coming into Bend (-10ft): 0.2 Leaving Bend (+10ft): 0.2 Min MPH over range: 0.0 at index 2622804	15584.06	304+46	2.95	39.96

B29	3.0	66	Left	Before u/s w.: 0.3%(0.118) MCSD: 40.7 ID:40.8 mph:15.1 Clk:5 to 11 After d/s w.: 1.0%(0.425) MCSD: 40.2 ID:40.8 mph:13.9 Clk:2 to 8 MPH coming into Bend (-10ft): 15.0 Leaving Bend (+10ft): 14.3 Min MPH over range: 13.7 at index 2887588	17786.36	326+49	3.37	39.73
B30	3.0	44	Right	Before u/s w.: 0.5%(0.221) MCSD: 40.6 ID:40.8 mph:10.9 Clk:6 to 12 After d/s w.: 0.5%(0.206) MCSD: 40.6 ID:40.8 mph:7.6 Clk:1 to 7 MPH coming into Bend (-10ft): 11.2 Leaving Bend (+10ft): 9.1 Min MPH over range: 7.6 at index 3116323	19694.99	345+57	3.73	40.15
B31	3.0	18	Left	Before u/s w.: 1.9%(0.795) MCSD: 40.0 ID:40.8 mph:2.4 Clk:5 to 11 After d/s w.: 1.6%(0.662) MCSD: 40.2 ID:40.8 mph:0.9 Clk:5 to 11 MPH coming into Bend (-10ft): 1.4 Leaving Bend (+10ft): 1.9 Min MPH over range: 0.2 at index 3199158	20387.77	352+50	3.86	39.05
B32	3.0	24	Left	Before u/s w.: 1.0%(0.407) MCSD: 40.4 ID:40.8 mph:4.6 Clk:6 to 12 After d/s w.: 0.7%(0.286) MCSD: 40.5 ID:40.8 mph:4.8 Clk:1 to 7 MPH coming into Bend (-10ft): 9.0 Leaving Bend (+10ft): 4.7 Min MPH over range: 3.4 at index 3248472	20802.89	356+65	3.94	39.78
B33	3.0	14	Down	Before u/s w.: 1.1%(0.476) MCSD: 39.8 ID:40.2 mph:6.6 Clk:3 to 9 After d/s w.: 1.1%(0.471) MCSD: 39.8 ID:40.2 mph:10.1 Clk:4 to 10 MPH coming into Bend (-10ft): 7.6 Leaving Bend (+10ft): 13.2 Min MPH over range: 5.7 at index 3269272	20977.77	358+40	3.97	39.32
B34	3.0	66	Up-Left	Before u/s w.: 0.3%(0.145) MCSD: 40.1 ID:40.2 mph:4.1 Clk:4 to 10 After d/s w.: 1.0%(0.429) MCSD: 39.8 ID:40.2 mph:10.9 Clk:4 to 10 MPH coming into Bend (-10ft): 0.3 Leaving Bend (+10ft): 10.7 Min MPH over range: 0.1 at index 3274406	21030.87	358+93	3.98	39.69

B35	3.0	44	Up	Before u/s w.: 1.0%(0.440) MCSD: 39.9 ID:40.3 mph:0.6 Clk:3 to 9 After d/s w.: 0.9%(0.376) MCSD: 39.8 ID:40.2 mph:1.1 Clk:4 to 10 MPH coming into Bend (-10ft): 1.3 Leaving Bend (+10ft): 1.6 Min MPH over range: 0.0 at index 3295758	21200.17	360+63	4.02	39.23
B36	3.0	25	Down	Before u/s w.: 1.1%(0.447) MCSD: 39.8 ID:40.2 mph:5.5 Clk:4 to 10 After d/s w.: 1.0%(0.420) MCSD: 39.8 ID:40.2 mph:9.4 Clk:4 to 10 MPH coming into Bend (-10ft): 3.1 Leaving Bend (+10ft): 10.8 Min MPH over range: 3.1 at index 3298009	21224.64	360+87	4.02	39.39
B37	3.0	33	Down-Right	Before u/s w.: 0.6%(0.240) MCSD: 40.3 ID:40.5 mph:19.6 Clk:1 to 7 After d/s w.: 1.3%(0.540) MCSD: 40.0 ID:40.5 mph:21.0 Clk:4 to 10 MPH coming into Bend (-10ft): 20.3 Leaving Bend (+10ft): 20.9 Min MPH over range: 18.7 at index 3322805	21426.17	362+89	4.06	39.29
B38	3.0	30	Up	Before u/s w.: 1.9%(0.799) MCSD: 39.7 ID:40.5 mph:19.0 Clk:3 to 9 After d/s w.: 1.6%(0.651) MCSD: 39.9 ID:40.5 mph:18.5 Clk:3 to 9 MPH coming into Bend (-10ft): 20.7 Leaving Bend (+10ft): 17.4 Min MPH over range: 16.5 at index 3325238	21445.71	363+08	4.06	39.19
B39	3.0	27	Left	Before u/s w.: 0.8%(0.343) MCSD: 40.4 ID:40.8 mph:10.5 Clk:6 to 12 After d/s w.: 0.9%(0.378) MCSD: 40.3 ID:40.8 mph:10.9 Clk:5 to 11 MPH coming into Bend (-10ft): 11.2 Leaving Bend (+10ft): 10.6 Min MPH over range: 9.9 at index 3340065	21569.69	364+32	4.09	39.70
B40	3.0	29	Right	Before u/s w.: 1.8%(0.771) MCSD: 40.0 ID:40.8 mph:17.0 Clk:6 to 12 After d/s w.: 1.1%(0.457) MCSD: 40.2 ID:40.8 mph:17.7 Clk:5 to 11 MPH coming into Bend (-10ft): 18.0 Leaving Bend (+10ft): 19.0 Min MPH over range: 15.7 at index 3427501	22298.23	371+61	4.22	38.78

B41	3.0	37	Left	Before u/s w.: 0.3%(0.134) MCSD: 40.6 ID:40.8 mph:25.5 Clk:4 to 10 After d/s w. : 0.7%(0.299) MCSD: 40.3 ID:40.8 mph:23.6 Clk:4 to 10 MPH coming into Bend (- 10ft): 24.4 Leaving Bend (+10ft): 24.2 Min MPH over range: 22.2 at index 3442338	22426.22	372+89	4.25	38.96
B42	3.0	77	Right	Before u/s w.: 0.4%(0.159) MCSD: 40.6 ID:40.8 mph:13.3 Clk:2 to 8 After d/s w. : 1.3%(0.547) MCSD: 40.1 ID:40.8 mph:15.3 Clk:4 to 10 MPH coming into Bend (- 10ft): 13.3 Leaving Bend (+10ft): 15.6 Min MPH over range: 12.3 at index 3515125	23031.18	378+94	4.36	39.05
B43	3.0	37	Left	Before u/s w.: 1.1%(0.445) MCSD: 40.3 ID:40.8 mph:14.3 Clk:3 to 9 After d/s w. : 1.2%(0.512) MCSD: 40.2 ID:40.8 mph:12.7 Clk:3 to 9 MPH coming into Bend (- 10ft): 14.1 Leaving Bend (+10ft): 14.2 Min MPH over range: 12.5 at index 3676448	24362.90	392+25	4.61	39.85
B44	1.5	44	Right	Before u/s w.: 0.4%(0.151) MCSD: 40.4 ID:40.5 mph:0.0 Clk:4 to 10 After d/s w. : 0.6%(0.254) MCSD: 40.2 ID:40.5 mph:0.1 Clk:1 to 7 MPH coming into Bend (- 10ft): 0.0 Leaving Bend (+10ft): 1.5 Min MPH over range: 0.0 at index 4158973	28397.01	432+59	5.38	40.23
B45	1.5	41	Up-Right	Before u/s w.: 0.4%(0.181) MCSD: 40.3 ID:40.5 mph:0.1 Clk:1 to 7 After d/s w. : 0.5%(0.205) MCSD: 40.2 ID:40.5 mph:1.5 Clk:3 to 9 MPH coming into Bend (- 10ft): 0.5 Leaving Bend (+10ft): 2.5 Min MPH over range: 0.0 at index 4159363	28401.67	432+64	5.38	40.09
B46	3.0	21	Down	Before u/s w.: 0.6%(0.261) MCSD: 40.3 ID:40.5 mph:7.4 Clk:6 to 12 After d/s w. : 1.1%(0.480) MCSD: 40.1 ID:40.5 mph:9.3 Clk:6 to 12 MPH coming into Bend (- 10ft): 4.7 Leaving Bend (+10ft): 10.1 Min MPH over range: 4.7 at index 4162530	28431.24	432+94	5.38	39.58

B47	3.0	33	Right	Before u/s w.: 0.3%(0.114) MCSD: 40.4 ID:40.8 mph:28.9 Clk:2 to 8 After d/s w.: 0.2%(0.092) MCSD: 40.4 ID:40.8 mph:31.8 Clk:2 to 8 MPH coming into Bend (-10ft): 30.0 Leaving Bend (+10ft): 31.3 Min MPH over range: 27.4 at index 4375354	30188.43	450+51	5.72	38.63
B48	3.0	30	Left	Before u/s w.: 0.4%(0.160) MCSD: 40.6 ID:40.8 mph:8.9 Clk:2 to 8 After d/s w.: 0.5%(0.223) MCSD: 40.6 ID:40.8 mph:3.5 Clk:1 to 7 MPH coming into Bend (-10ft): 9.3 Leaving Bend (+10ft): 8.2 Min MPH over range: 3.0 at index 4634142	32344.32	472+07	6.13	40.05
B49	3.0	33	Left	Before u/s w.: 1.1%(0.455) MCSD: 40.4 ID:40.8 mph:1.6 Clk:1 to 7 After d/s w.: 0.9%(0.371) MCSD: 40.5 ID:40.8 mph:0.2 Clk:2 to 8 MPH coming into Bend (-10ft): 4.9 Leaving Bend (+10ft): 9.2 Min MPH over range: 0.1 at index 4715733	33035.82	478+98	6.26	39.37
B50	3.0	8	Down	Before u/s w.: 0.2%(0.084) MCSD: 40.7 ID:40.8 mph:8.9 Clk:2 to 8 After d/s w.: 0.2%(0.096) MCSD: 40.8 ID:40.8 mph:7.4 Clk:1 to 7 MPH coming into Bend (-10ft): 9.8 Leaving Bend (+10ft): 8.3 Min MPH over range: 6.7 at index 4748891	33302.41	481+65	6.31	40.13
B51	3.0	33	Up	Before u/s w.: 0.8%(0.338) MCSD: 40.3 ID:40.5 mph:3.8 Clk:4 to 10 After d/s w.: 1.3%(0.550) MCSD: 40.0 ID:40.5 mph:2.7 Clk:3 to 9 MPH coming into Bend (-10ft): 0.1 Leaving Bend (+10ft): 4.1 Min MPH over range: 0.1 at index 4752360	33344.36	482+07	6.32	39.37
B52	3.0	16	Up	Before u/s w.: 1.2%(0.516) MCSD: 40.0 ID:40.5 mph:0.0 Clk:2 to 8 After d/s w.: 1.2%(0.497) MCSD: 40.0 ID:40.5 mph:0.0 Clk:2 to 8 MPH coming into Bend (-10ft): 1.4 Leaving Bend (+10ft): 1.0 Min MPH over range: 0.0 at index 4763136	33428.01	482+90	6.33	39.34

B53	3.0	40	Left	Before u/s w.: 0.7%(0.312) MCSD: 40.3 ID:40.5 mph:0.3 Clk:1 to 7 After d/s w.: 0.9%(0.366) MCSD: 40.2 ID:40.5 mph:0.2 Clk:6 to 12 MPH coming into Bend (- 10ft): 0.4 Leaving Bend (+10ft): 1.1 Min MPH over range: 0.0 at index 4765136	33450.10	483+13	6.34	39.28
B54	3.0	90	Right	Before u/s w.: 0.3%(0.134) MCSD: 40.7 ID:40.8 mph:14.8 Clk:2 to 8 After d/s w.: 0.3%(0.136) MCSD: 40.4 ID:40.8 mph:14.5 Clk:4 to 10 MPH coming into Bend (- 10ft): 14.7 Leaving Bend (+10ft): 15.5 Min MPH over range: 12.1 at index 5051313	35833.71	506+96	6.79	38.85
B55	3.0	22	Left	Before u/s w.: 1.0%(0.407) MCSD: 40.4 ID:40.8 mph:5.4 Clk:1 to 7 After d/s w.: 1.4%(0.597) MCSD: 40.2 ID:40.8 mph:4.5 Clk:2 to 8 MPH coming into Bend (- 10ft): 4.4 Leaving Bend (+10ft): 6.6 Min MPH over range: 3.1 at index 5647876	40804.71	556+67	7.73	39.54
B56	3.0	29	Left	Before u/s w.: 1.2%(0.508) MCSD: 40.3 ID:40.8 mph:6.0 Clk:3 to 9 After d/s w.: 1.5%(0.625) MCSD: 40.1 ID:40.8 mph:1.3 Clk:3 to 9 MPH coming into Bend (- 10ft): 5.0 Leaving Bend (+10ft): 6.0 Min MPH over range: 0.1 at index 5650957	40820.61	556+83	7.73	39.50
B57	3.0	46	Right	Before u/s w.: 1.1%(0.469) MCSD: 40.4 ID:40.8 mph:10.4 Clk:4 to 10 After d/s w.: 1.8%(0.741) MCSD: 39.9 ID:40.8 mph:9.7 Clk:3 to 9 MPH coming into Bend (- 10ft): 11.0 Leaving Bend (+10ft): 11.1 Min MPH over range: 8.5 at index 5879302	42729.87	575+92	8.09	39.70
B58	3.0	45	Right	Before u/s w.: 0.8%(0.354) MCSD: 40.5 ID:40.8 mph:5.6 Clk:2 to 8 After d/s w.: 0.9%(0.384) MCSD: 40.5 ID:40.8 mph:2.3 Clk:3 to 9 MPH coming into Bend (- 10ft): 5.7 Leaving Bend (+10ft): 5.3 Min MPH over range: 0.0 at index 6065266	44271.58	591+34	8.38	40.26

B59	3.0	58	Left	Before u/s w.: 0.4%(0.187) MCSD: 40.7 ID:40.8 mph:10.6 Clk:5 to 11 After d/s w. : 0.5%(0.198) MCSD: 40.6 ID:40.8 mph:9.7 Clk:3 to 9 MPH coming into Bend (- 10ft): 11.4 Leaving Bend (+10ft): 11.3 Min MPH over range: 9.6 at index 6166860	45114.58	599+77	8.54	40.28
B60	3.0	15	Up	Before u/s w.: 0.7%(0.283) MCSD: 40.3 ID:40.5 mph:12.7 Clk:2 to 8 After d/s w. : 0.8%(0.330) MCSD: 40.2 ID:40.5 mph:8.7 Clk:2 to 8 MPH coming into Bend (- 10ft): 12.3 Leaving Bend (+10ft): 9.7 Min MPH over range: 8.7 at index 6274258	46014.01	608+76	8.71	39.75
B61	3.0	30	Up-Right	Before u/s w.: 0.6%(0.262) MCSD: 40.0 ID:40.2 mph:6.7 Clk:3 to 9 After d/s w. : 0.4%(0.176) MCSD: 40.0 ID:40.2 mph:4.0 Clk:3 to 9 MPH coming into Bend (- 10ft): 7.5 Leaving Bend (+10ft): 1.5 Min MPH over range: 0.0 at index 6314305	46342.68	612+05	8.78	39.77
B62	3.0	30	Right	Before u/s w.: 0.7%(0.275) MCSD: 40.3 ID:40.5 mph:8.1 Clk:6 to 12 After d/s w. : 0.5%(0.229) MCSD: 40.4 ID:40.5 mph:7.3 Clk:2 to 8 MPH coming into Bend (- 10ft): 7.7 Leaving Bend (+10ft): 8.3 Min MPH over range: 6.4 at index 6331347	46495.76	613+58	8.81	39.90
B63	3.0	30	Left	Before u/s w.: 1.8%(0.775) MCSD: 39.8 ID:40.5 mph:10.7 Clk:1 to 7 After d/s w. : 1.8%(0.776) MCSD: 39.7 ID:40.5 mph:11.4 Clk:1 to 7 MPH coming into Bend (- 10ft): 9.6 Leaving Bend (+10ft): 12.3 Min MPH over range: 8.5 at index 6397661	47053.16	619+16	8.91	39.24
B64	3.0	24	Left	Before u/s w.: 0.9%(0.391) MCSD: 40.2 ID:40.5 mph:17.0 Clk:3 to 9 After d/s w. : 1.1%(0.468) MCSD: 40.0 ID:40.5 mph:15.4 Clk:6 to 12 MPH coming into Bend (- 10ft): 16.6 Leaving Bend (+10ft): 17.0 Min MPH over range: 15.4 at index 6405170	47114.96	619+77	8.92	39.09

B65	3.0	39	Right	Before u/s w.: 1.0%(0.401) MCSD: 40.4 ID:40.8 mph:13.0 Clk:4 to 10 After d/s w.: 1.2%(0.500) MCSD: 40.2 ID:40.8 mph:10.9 Clk:4 to 10 MPH coming into Bend (- 10ft): 13.7 Leaving Bend (+10ft): 12.2 Min MPH over range: 10.7 at index 6470344	47645.93	625+08	9.02	39.67
B66	3.0	22	Right	Before u/s w.: 1.7%(0.714) MCSD: 40.0 ID:40.8 mph:14.4 Clk:2 to 8 After d/s w.: 1.6%(0.678) MCSD: 40.1 ID:40.8 mph:12.0 Clk:2 to 8 MPH coming into Bend (- 10ft): 13.9 Leaving Bend (+10ft): 13.9 Min MPH over range: 12.0 at index 6504492	47932.06	627+94	9.08	39.44
B67	3.0	30	Left	Before u/s w.: 0.9%(0.384) MCSD: 40.4 ID:40.8 mph:8.5 Clk:4 to 10 After d/s w.: 1.3%(0.541) MCSD: 40.3 ID:40.8 mph:6.9 Clk:4 to 10 MPH coming into Bend (- 10ft): 9.6 Leaving Bend (+10ft): 10.0 Min MPH over range: 6.8 at index 6571673	48491.07	633+54	9.18	39.99
B68	3.0	52	Right	Before u/s w.: 1.1%(0.472) MCSD: 40.4 ID:40.8 mph:8.3 Clk:2 to 8 After d/s w.: 0.9%(0.393) MCSD: 40.5 ID:40.8 mph:4.8 Clk:2 to 8 MPH coming into Bend (- 10ft): 8.7 Leaving Bend (+10ft): 7.6 Min MPH over range: 4.8 at index 6608035	48791.93	636+54	9.24	40.17
B69	3.0	51	Left	Before u/s w.: 0.2%(0.094) MCSD: 40.7 ID:40.8 mph:9.4 Clk:6 to 12 After d/s w.: 0.6%(0.249) MCSD: 40.5 ID:40.8 mph:8.3 Clk:2 to 8 MPH coming into Bend (- 10ft): 10.8 Leaving Bend (+10ft): 10.7 Min MPH over range: 8.2 at index 6700470	49561.96	644+24	9.39	39.92
B70	3.0	46	Left	Before u/s w.: 0.9%(0.374) MCSD: 40.6 ID:40.8 mph:7.5 Clk:4 to 10 After d/s w.: 0.6%(0.272) MCSD: 40.6 ID:40.8 mph:5.5 Clk:4 to 10 MPH coming into Bend (- 10ft): 8.1 Leaving Bend (+10ft): 7.6 Min MPH over range: 5.1 at index 6753394	50003.80	648+66	9.47	40.38

B71	3.0	41	Right	Before u/s w.: 1.4%(0.594) MCSD: 40.0 ID:40.5 mph:11.6 Clk:3 to 9 After d/s w.: 1.5%(0.629) MCSD: 39.6 ID:40.2 mph:9.4 Clk:2 to 8 MPH coming into Bend (-10ft): 12.5 Leaving Bend (+10ft): 5.3 Min MPH over range: 5.3 at index 6867906	50953.43	658+16	9.65	39.34
B72	3.0	19	Up	Before u/s w.: 1.5%(0.615) MCSD: 39.7 ID:40.2 mph:0.9 Clk:3 to 9 After d/s w.: 1.3%(0.546) MCSD: 39.7 ID:40.2 mph:1.5 Clk:3 to 9 MPH coming into Bend (-10ft): 2.2 Leaving Bend (+10ft): 3.9 Min MPH over range: 0.0 at index 6868282	50976.82	658+39	9.65	39.35
B73	3.0	66	Left	Before u/s w.: 0.9%(0.363) MCSD: 40.3 ID:40.8 mph:10.8 Clk:4 to 10 After d/s w.: 1.2%(0.484) MCSD: 40.1 ID:40.8 mph:13.5 Clk:3 to 9 MPH coming into Bend (-10ft): 11.5 Leaving Bend (+10ft): 13.7 Min MPH over range: 10.8 at index 7013456	52185.45	670+48	9.88	39.68
B74	3.0	38	Right	Before u/s w.: 1.1%(0.457) MCSD: 40.3 ID:40.8 mph:14.2 Clk:4 to 10 After d/s w.: 1.5%(0.641) MCSD: 40.1 ID:40.8 mph:12.1 Clk:5 to 11 MPH coming into Bend (-10ft): 15.2 Leaving Bend (+10ft): 14.0 Min MPH over range: 11.3 at index 7079156	52727.04	675+89	9.99	39.46
B75	3.0	45	Right	Before u/s w.: 0.6%(0.246) MCSD: 40.6 ID:40.8 mph:8.4 Clk:4 to 10 After d/s w.: 1.0%(0.411) MCSD: 40.4 ID:40.8 mph:5.5 Clk:3 to 9 MPH coming into Bend (-10ft): 8.5 Leaving Bend (+10ft): 7.9 Min MPH over range: 5.4 at index 7112996	53004.17	678+67	10.04	40.27
B76	3.0	35	Left	Before u/s w.: 1.2%(0.497) MCSD: 40.3 ID:40.8 mph:4.8 Clk:4 to 10 After d/s w.: 0.8%(0.351) MCSD: 40.5 ID:40.8 mph:1.9 Clk:3 to 9 MPH coming into Bend (-10ft): 7.7 Leaving Bend (+10ft): 10.0 Min MPH over range: 0.0 at index 7182444	53587.36	684+50	10.15	39.40

B77	3.0	36	Right	Before u/s w.: 0.6%(0.241) MCSD: 40.5 ID:40.8 mph:11.1 Clk:4 to 10 After d/s w.: 0.7%(0.283) MCSD: 40.6 ID:40.8 mph:9.8 Clk:4 to 10 MPH coming into Bend (-10ft): 10.4 Leaving Bend (+10ft): 11.4 Min MPH over range: 8.8 at index 7324372	54771.28	696+34	10.37	40.24
B78	3.0	74	Left	Before u/s w.: 0.6%(0.236) MCSD: 40.6 ID:40.8 mph:4.0 Clk:5 to 11 After d/s w.: 1.0%(0.434) MCSD: 40.4 ID:40.8 mph:3.3 Clk:1 to 7 MPH coming into Bend (-10ft): 5.2 Leaving Bend (+10ft): 3.7 Min MPH over range: 0.1 at index 7373340	55183.85	700+46	10.45	39.72
B79	3.0	53	Right	Before u/s w.: 1.1%(0.445) MCSD: 40.4 ID:40.8 mph:8.4 Clk:2 to 8 After d/s w.: 1.3%(0.534) MCSD: 40.3 ID:40.8 mph:6.2 Clk:2 to 8 MPH coming into Bend (-10ft): 8.7 Leaving Bend (+10ft): 7.5 Min MPH over range: 5.9 at index 7476754	56035.43	708+98	10.61	40.11
B80	3.0	35	Left	Before u/s w.: 0.7%(0.290) MCSD: 40.5 ID:40.8 mph:8.4 Clk:3 to 9 After d/s w.: 0.8%(0.341) MCSD: 40.5 ID:40.8 mph:6.6 Clk:3 to 9 MPH coming into Bend (-10ft): 8.7 Leaving Bend (+10ft): 8.8 Min MPH over range: 6.6 at index 7656797	57533.05	723+95	10.90	40.00
B81	3.0	82	Right	Before u/s w.: 0.3%(0.144) MCSD: 40.7 ID:40.8 mph:8.6 Clk:6 to 12 After d/s w.: 0.6%(0.252) MCSD: 40.6 ID:40.8 mph:8.2 Clk:3 to 9 MPH coming into Bend (-10ft): 7.8 Leaving Bend (+10ft): 10.3 Min MPH over range: 6.5 at index 7727937	58139.45	730+02	11.01	40.19
B82	3.0	36	Left	Before u/s w.: 0.8%(0.341) MCSD: 40.5 ID:40.8 mph:8.6 Clk:3 to 9 After d/s w.: 1.1%(0.453) MCSD: 40.4 ID:40.8 mph:6.5 Clk:3 to 9 MPH coming into Bend (-10ft): 9.7 Leaving Bend (+10ft): 9.0 Min MPH over range: 6.2 at index 7956862	60032.97	748+95	11.37	40.03

B83	3.0	43	Right	Before u/s w.: 0.7%(0.282) MCSD: 40.5 ID:40.8 mph:11.6 Clk:2 to 8 After d/s w. : 1.2%(0.484) MCSD: 40.4 ID:40.8 mph:8.8 Clk:3 to 9 MPH coming into Bend (-10ft): 12.2 Leaving Bend (+10ft): 10.5 Min MPH over range: 8.3 at index 8026170	60611.89	754+74	11.48	40.15
B84	3.0	20	Left	Before u/s w.: 1.3%(0.544) MCSD: 40.3 ID:40.8 mph:10.1 Clk:4 to 10 After d/s w. : 1.8%(0.768) MCSD: 40.1 ID:40.8 mph:8.0 Clk:3 to 9 MPH coming into Bend (-10ft): 11.4 Leaving Bend (+10ft): 10.6 Min MPH over range: 8.0 at index 8085611	61108.11	759+71	11.57	39.80
B85	3.0	53	Left	Before u/s w.: 0.5%(0.197) MCSD: 40.7 ID:40.8 mph:10.7 Clk:2 to 8 After d/s w. : 1.4%(0.593) MCSD: 40.2 ID:40.8 mph:10.6 Clk:3 to 9 MPH coming into Bend (-10ft): 9.7 Leaving Bend (+10ft): 11.9 Min MPH over range: 9.7 at index 8197188	62051.29	769+14	11.75	39.79
B86	3.0	36	Right	Before u/s w.: 0.6%(0.249) MCSD: 40.6 ID:40.8 mph:9.9 Clk:2 to 8 After d/s w. : 0.4%(0.166) MCSD: 40.6 ID:40.8 mph:7.7 Clk:1 to 7 MPH coming into Bend (-10ft): 9.6 Leaving Bend (+10ft): 9.8 Min MPH over range: 7.3 at index 8293944	62851.40	777+14	11.90	40.22
B87	3.0	31	Right	Before u/s w.: 0.4%(0.186) MCSD: 40.6 ID:40.8 mph:9.9 Clk:6 to 12 After d/s w. : 0.6%(0.242) MCSD: 40.6 ID:40.8 mph:7.2 Clk:5 to 11 MPH coming into Bend (-10ft): 10.4 Leaving Bend (+10ft): 10.0 Min MPH over range: 7.2 at index 8304979	62934.68	777+97	11.92	40.23
B88	3.0	31	Down-Right	Before u/s w.: 0.9%(0.391) MCSD: 40.4 ID:40.8 mph:9.8 Clk:4 to 10 After d/s w. : 1.5%(0.620) MCSD: 40.2 ID:40.8 mph:8.2 Clk:4 to 10 MPH coming into Bend (-10ft): 9.9 Leaving Bend (+10ft): 11.2 Min MPH over range: 8.1 at index 8463138	64260.75	791+23	12.17	39.46

B89	3.0	52	Left	Before u/s w.: 1.4%(0.571) MCSD: 40.3 ID:40.8 mph:7.5 Clk:4 to 10 After d/s w.: 1.7%(0.714) MCSD: 40.1 ID:40.8 mph:6.8 Clk:3 to 9 MPH coming into Bend (- 10ft): 7.6 Leaving Bend (+10ft): 7.6 Min MPH over range: 6.2 at index 8607355	65455.91	803+18	12.40	39.65
B90	3.0	30	Right	Before u/s w.: 0.8%(0.350) MCSD: 40.4 ID:40.8 mph:9.6 Clk:2 to 8 After d/s w.: 1.0%(0.403) MCSD: 40.5 ID:40.8 mph:5.1 Clk:3 to 9 MPH coming into Bend (- 10ft): 10.1 Leaving Bend (+10ft): 9.1 Min MPH over range: 4.6 at index 8632956	65667.67	805+30	12.44	39.78
B91	3.0	37	Right	Before u/s w.: 1.1%(0.458) MCSD: 40.4 ID:40.8 mph:8.4 Clk:3 to 9 After d/s w.: 1.5%(0.641) MCSD: 40.3 ID:40.8 mph:4.5 Clk:3 to 9 MPH coming into Bend (- 10ft): 9.8 Leaving Bend (+10ft): 8.9 Min MPH over range: 0.4 at index 8737975	66547.45	814+10	12.60	39.51
B92	3.0	23	Up	Before u/s w.: 0.7%(0.301) MCSD: 40.0 ID:40.2 mph:12.7 Clk:5 to 11 After d/s w.: 0.6%(0.257) MCSD: 40.0 ID:40.2 mph:13.1 Clk:5 to 11 MPH coming into Bend (- 10ft): 7.6 Leaving Bend (+10ft): 6.5 Min MPH over range: 6.5 at index 8947388	68283.20	831+46	12.93	39.56
B93	3.0	58	Right	Before u/s w.: 0.9%(0.389) MCSD: 39.9 ID:40.2 mph:7.7 Clk:4 to 10 After d/s w.: 0.9%(0.381) MCSD: 39.8 ID:40.2 mph:10.9 Clk:3 to 9 MPH coming into Bend (- 10ft): 5.5 Leaving Bend (+10ft): 6.4 Min MPH over range: 5.5 at index 8952189	68342.45	832+05	12.94	39.58
B94	3.0	45	Down	Before u/s w.: 1.1%(0.456) MCSD: 39.8 ID:40.2 mph:6.8 Clk:3 to 9 After d/s w.: 1.0%(0.408) MCSD: 39.9 ID:40.2 mph:9.9 Clk:4 to 10 MPH coming into Bend (- 10ft): 11.3 Leaving Bend (+10ft): 9.3 Min MPH over range: 1.7 at index 8954910	68359.09	832+22	12.95	39.67

B95	3.0	40	Up	Before u/s w.: 0.8%(0.351) MCSD: 40.0 ID:40.2 mph:8.9 Clk:4 to 10 After d/s w.: 0.7%(0.274) MCSD: 40.0 ID:40.2 mph:4.2 Clk:5 to 11 MPH coming into Bend (-10ft): 9.5 Leaving Bend (+10ft): 6.5 Min MPH over range: 0.4 at index 8958151	68375.60	832+38	12.95	39.76
B96	3.0	93	Right	Before u/s w.: 1.0%(0.408) MCSD: 40.0 ID:40.2 mph:4.6 Clk:4 to 10 After d/s w.: 0.9%(0.382) MCSD: 39.9 ID:40.2 mph:3.4 Clk:5 to 11 MPH coming into Bend (-10ft): 3.7 Leaving Bend (+10ft): 3.2 Min MPH over range: 1.7 at index 8977499	68540.55	834+03	12.98	39.62
B97	3.0	23	Down	Before u/s w.: 1.1%(0.463) MCSD: 39.8 ID:40.2 mph:5.5 Clk:5 to 11 After d/s w.: 0.8%(0.322) MCSD: 39.9 ID:40.2 mph:4.8 Clk:5 to 11 MPH coming into Bend (-10ft): 6.3 Leaving Bend (+10ft): 5.2 Min MPH over range: 3.0 at index 8981992	68576.89	834+39	12.99	39.64



FIELD B20-749D Bend Listing

CUSTOMER/CONTRACTOR **EQT / Mountain Valley Pipeline/ Precision Pipeline**
 CUSTOMER LINE ID **Mountain Valley Pipeline Project Spread A - Section 3**
 JOB NUMBER **B20-749D**
 LAUNCH STATION **Section 3**
Smithfield, WV
 RECEIVE STATION **Highway 20**
Smithfield, WV
 PIPELINE LENGTH **10.63 mi**

PIPE DIAMETER **42.000 in**
 WALL THICKNESS **.617 in**
 PRODUCT **Air ~ 12,000 CFM ~ 30 PSI**
 RUN DATE **27-Nov-2023**
 FIELD ENGINEER **Chad McElfresh**
 CHART ANALYST **Chad McElfresh**
 REPORT DATE **11/27/2023**
 ISSUE # **1**

Event ID	Bend Dees	Bend Angle	Bend Direction	Comment	Enduro Station	Projected Station	Customer Station	Avg Mile Post	MCSD
B1	3.0	31	Down-Right	Before u/s w.: 0.4%(0.160) MCSD: 40.5 ID:40.8 mph:1.8 Clk:4 to 10 After d/s w.: 0.5%(0.190) MCSD: 40.6 ID:40.8 mph:1.8 Clk:4 to 10 MPH coming into Bend (-10ft): 3.9 Leaving Bend (+10ft): 1.6 Min MPH over range: 0.4 at index 1284581	8.62	0+09		.00	39.97
B2	3.0	30	Up-Left	Before u/s w.: 0.6%(0.269) MCSD: 40.4 ID:40.8 mph:0.9 Clk:2 to 8 After d/s w.: 0.6%(0.231) MCSD: 40.5 ID:40.8 mph:1.5 Clk:2 to 8 MPH coming into Bend (-10ft): 1.2 Leaving Bend (+10ft): 2.0 Min MPH over range: 0.8 at index 1287589	30.50	0+30		.01	40.19
B3	3.0	65	Left	Before u/s w.: 0.2%(0.096) MCSD: 40.6 ID:40.8 mph:1.6 Clk:1 to 7 After d/s w.: 0.4%(0.183) MCSD: 40.5 ID:40.8 mph:4.8 Clk:1 to 7 MPH coming into Bend (-10ft): 2.0 Leaving Bend (+10ft): 3.6 Min MPH over range: 0.6 at index 1290300	46.98	0+47		.01	40.17
B4	3.0	24	Up	Before u/s w.: 0.3%(0.136) MCSD: 40.4 ID:40.5 mph:1.0 Clk:0 to 6 After d/s w.: 0.2%(0.071) MCSD: 40.5 ID:40.5 mph:1.3 Clk:1 to 7 MPH coming into Bend (-10ft): 1.0 Leaving Bend (+10ft): 1.2 Min MPH over range: 0.6 at index 1296310	105.10	1+05		.02	40.08

B5	3.0	45	Right	Before u/s w.: 0.9%(0.360) MCSD: 40.4 ID:40.8 mph:9.0 Clk:1 to 7 After d/s w.: 0.5%(0.206) MCSD: 40.5 ID:40.8 mph:10.1 Clk:1 to 7 MPH coming into Bend (-10ft): 7.0 Leaving Bend (+10ft): 11.2 Min MPH over range: 6.9 at index 1377025	780.85	7+81	.15	39.96
B6	3.0	30	Right	Before u/s w.: 0.8%(0.345) MCSD: 40.4 ID:40.8 mph:4.0 Clk:3 to 9 After d/s w.: 0.8%(0.329) MCSD: 40.5 ID:40.8 mph:5.1 Clk:4 to 10 MPH coming into Bend (-10ft): 2.9 Leaving Bend (+10ft): 8.5 Min MPH over range: 2.9 at index 1478268	1625.23	16+25	.31	40.01
B7	3.0	22	Left	Before u/s w.: 0.6%(0.240) MCSD: 40.5 ID:40.8 mph:7.0 Clk:6 to 12 After d/s w.: 0.9%(0.375) MCSD: 40.4 ID:40.8 mph:3.4 Clk:2 to 8 MPH coming into Bend (-10ft): 5.8 Leaving Bend (+10ft): 3.0 Min MPH over range: 2.9 at index 1498442	1773.64	17+74	.34	39.99
B8	3.0	22	Left	Before u/s w.: 1.3%(0.555) MCSD: 40.2 ID:40.8 mph:6.5 Clk:4 to 10 After d/s w.: 1.0%(0.421) MCSD: 40.4 ID:40.8 mph:3.1 Clk:4 to 10 MPH coming into Bend (-10ft): 8.3 Leaving Bend (+10ft): 4.1 Min MPH over range: 0.3 at index 1510350	1878.91	18+79	.36	39.83
B9	3.0	46	Right	Before u/s w.: 1.5%(0.632) MCSD: 40.3 ID:40.8 mph:3.2 Clk:2 to 8 After d/s w.: 1.3%(0.528) MCSD: 40.3 ID:40.8 mph:6.1 Clk:3 to 9 MPH coming into Bend (-10ft): 1.2 Leaving Bend (+10ft): 7.2 Min MPH over range: 0.1 at index 1519551	1968.52	19+69	.37	39.85
B10	3.0	30	Right	Before u/s w.: 0.5%(0.205) MCSD: 40.7 ID:40.8 mph:4.4 Clk:4 to 10 After d/s w.: 0.8%(0.326) MCSD: 40.5 ID:40.8 mph:5.1 Clk:4 to 10 MPH coming into Bend (-10ft): 9.7 Leaving Bend (+10ft): 6.8 Min MPH over range: 0.4 at index 1534560	2085.78	20+86	.40	40.25

B11	3.0	71	Left	Before u/s w.: 0.7%(0.285) MCSD: 40.4 ID:40.8 mph:8.6 Clk:1 to 7 After d/s w.: 0.6%(0.253) MCSD: 40.4 ID:40.8 mph:12.5 Clk:3 to 9 MPH coming into Bend (- 10ft): 7.7 Leaving Bend (+10ft): 12.5 Min MPH over range: 7.0 at index 1892730	5078.25	50+78	.96	39.10
B12	3.0	46	Left	Before u/s w.: 0.9%(0.394) MCSD: 40.5 ID:40.8 mph:1.6 Clk:6 to 12 After d/s w.: 0.9%(0.391) MCSD: 40.5 ID:40.8 mph:3.5 Clk:1 to 7 MPH coming into Bend (- 10ft): 1.2 Leaving Bend (+10ft): 5.3 Min MPH over range: 0.6 at index 1942635	5492.17	54+92	1.04	40.13
B13	3.0	30	Right	Before u/s w.: 0.5%(0.196) MCSD: 40.5 ID:40.8 mph:5.0 Clk:3 to 9 After d/s w.: 0.4%(0.183) MCSD: 40.6 ID:40.8 mph:2.6 Clk:4 to 10 MPH coming into Bend (- 10ft): 6.6 Leaving Bend (+10ft): 5.4 Min MPH over range: 0.2 at index 1990474	5881.67	58+82	1.11	40.01
B14	3.0	46	Right	Before u/s w.: 0.5%(0.231) MCSD: 40.6 ID:40.8 mph:6.7 Clk:2 to 8 After d/s w.: 0.6%(0.246) MCSD: 40.6 ID:40.8 mph:7.6 Clk:4 to 10 MPH coming into Bend (- 10ft): 6.0 Leaving Bend (+10ft): 8.2 Min MPH over range: 5.0 at index 2045913	6354.37	63+54	1.20	40.18
B15	3.0	59	Left	Before u/s w.: 1.3%(0.546) MCSD: 40.2 ID:40.8 mph:14.7 Clk:3 to 9 After d/s w.: 1.7%(0.698) MCSD: 40.0 ID:40.8 mph:13.5 Clk:3 to 9 MPH coming into Bend (- 10ft): 14.9 Leaving Bend (+10ft): 14.0 Min MPH over range: 12.1 at index 2157347	7266.40	72+66	1.38	39.56
B16	3.0	65	Right	Before u/s w.: 0.7%(0.287) MCSD: 40.5 ID:40.8 mph:8.8 Clk:4 to 10 After d/s w.: 0.7%(0.309) MCSD: 40.5 ID:40.8 mph:7.2 Clk:4 to 10 MPH coming into Bend (- 10ft): 10.4 Leaving Bend (+10ft): 7.6 Min MPH over range: 7.1 at index 2252789	8060.71	80+61	1.53	40.10

B17	3.0	82	Left	Before u/s w.: 0.5%(0.227) MCSD: 40.7 ID:40.8 mph:6.0 Clk:2 to 8 After d/s w.: 0.8%(0.317) MCSD: 40.5 ID:40.8 mph:1.3 Clk:2 to 8 MPH coming into Bend (- 10ft): 5.8 Leaving Bend (+10ft): 2.2 Min MPH over range: 2.1 at index 2329604	8700.47	87+00	1.65	40.37
B18	3.0	46	Right	Before u/s w.: 0.9%(0.399) MCSD: 40.4 ID:40.8 mph:15.2 Clk:3 to 9 After d/s w.: 0.0%(0.015) MCSD: 40.6 ID:40.8 mph:16.0 Clk:4 to 10 MPH coming into Bend (- 10ft): 16.8 Leaving Bend (+10ft): 16.8 Min MPH over range: 13.8 at index 2470271	9885.22	98+85	1.87	39.15
B19	3.0	17	Right	Before u/s w.: 0.9%(0.372) MCSD: 40.3 ID:40.8 mph:16.1 Clk:4 to 10 After d/s w.: 0.5%(0.217) MCSD: 40.5 ID:40.8 mph:14.0 Clk:3 to 9 MPH coming into Bend (- 10ft): 19.1 Leaving Bend (+10ft): 15.4 Min MPH over range: 13.2 at index 2497676	10107.02	101+07	1.91	39.24
B20	3.0	30	Right	Before u/s w.: 1.1%(0.443) MCSD: 40.3 ID:40.8 mph:7.1 Clk:3 to 9 After d/s w.: 0.7%(0.308) MCSD: 40.6 ID:40.8 mph:4.7 Clk:3 to 9 MPH coming into Bend (- 10ft): 7.3 Leaving Bend (+10ft): 7.1 Min MPH over range: 4.6 at index 2646612	11345.98	113+46	2.15	40.07
B21	3.0	65	Right	Before u/s w.: 0.9%(0.377) MCSD: 40.5 ID:40.8 mph:6.5 Clk:3 to 9 After d/s w.: 0.6%(0.242) MCSD: 40.6 ID:40.8 mph:5.2 Clk:3 to 9 MPH coming into Bend (- 10ft): 7.8 Leaving Bend (+10ft): 6.3 Min MPH over range: 5.1 at index 2684087	11655.76	116+56	2.21	40.27
B22	3.0	93	Left	Before u/s w.: 0.8%(0.340) MCSD: 40.5 ID:40.8 mph:11.6 Clk:3 to 9 After d/s w.: 1.1%(0.457) MCSD: 40.1 ID:40.8 mph:13.3 Clk:1 to 7 MPH coming into Bend (- 10ft): 11.7 Leaving Bend (+10ft): 14.9 Min MPH over range: 11.7 at index 2968000	14039.67	140+40	2.66	39.73

B23	3.0	38	Up	Before u/s w.: 0.8%(0.328) MCSD: 40.2 ID:40.5 mph:9.9 Clk:2 to 8 After d/s w.: 0.7%(0.282) MCSD: 40.3 ID:40.5 mph:2.9 Clk:3 to 9 MPH coming into Bend (-10ft): 11.5 Leaving Bend (+10ft): 7.5 Min MPH over range: 0.2 at index 3067764	14859.82	148+60	2.81	39.88
B24	3.0	12	Up-Right	Before u/s w.: 0.7%(0.287) MCSD: 40.5 ID:40.8 mph:4.8 Clk:1 to 7 After d/s w.: 0.7%(0.290) MCSD: 40.5 ID:40.8 mph:0.9 Clk:2 to 8 MPH coming into Bend (-10ft): 7.6 Leaving Bend (+10ft): 0.5 Min MPH over range: 0.1 at index 3090409	15040.37	150+40	2.85	40.04
B25	3.0	12	Up-Right	Before u/s w.: 1.5%(0.628) MCSD: 40.2 ID:40.8 mph:0.1 Clk:6 to 12 After d/s w.: 1.5%(0.618) MCSD: 40.2 ID:40.8 mph:0.6 Clk:1 to 7 MPH coming into Bend (-10ft): 1.5 Leaving Bend (+10ft): 3.6 Min MPH over range: 0.0 at index 3091843	15064.86	150+65	2.85	39.50
B26	3.0	18	Up	Before u/s w.: 0.8%(0.333) MCSD: 40.3 ID:40.5 mph:3.7 Clk:3 to 9 After d/s w.: 0.9%(0.396) MCSD: 40.2 ID:40.5 mph:0.8 Clk:3 to 9 MPH coming into Bend (-10ft): 7.0 Leaving Bend (+10ft): 2.3 Min MPH over range: 0.1 at index 3101875	15146.43	151+46	2.87	39.74
B27	3.0	62	Left	Before u/s w.: 0.4%(0.169) MCSD: 40.6 ID:40.8 mph:17.6 Clk:6 to 12 After d/s w.: 0.5%(0.200) MCSD: 40.3 ID:40.8 mph:15.4 Clk:1 to 7 MPH coming into Bend (-10ft): 19.1 Leaving Bend (+10ft): 17.9 Min MPH over range: 15.4 at index 3192634	15893.41	158+93	3.01	39.39
B28	3.0	31	Right	Before u/s w.: 1.3%(0.534) MCSD: 40.2 ID:40.8 mph:6.9 Clk:1 to 7 After d/s w.: 0.4%(0.171) MCSD: 40.6 ID:40.8 mph:8.9 Clk:3 to 9 MPH coming into Bend (-10ft): 5.0 Leaving Bend (+10ft): 10.2 Min MPH over range: 4.9 at index 3407752	17704.25	177+04	3.35	40.05

B29	3.0	44	Right	Before u/s w.: 0.7%(0.299) MCSD: 40.5 ID:40.8 mph:9.5 Clk:2 to 8 After d/s w. : 1.1%(0.446) MCSD: 40.3 ID:40.8 mph:8.9 Clk:3 to 9 MPH coming into Bend (- 10ft): 10.2 Leaving Bend (+10ft): 9.2 Min MPH over range: 6.7 at index 3520285	18636.22	186+36	3.53	39.98
B30	3.0	42	Left	Before u/s w.: 0.4%(0.178) MCSD: 40.6 ID:40.8 mph:7.8 Clk:4 to 10 After d/s w. : 1.4%(0.595) MCSD: 40.1 ID:40.8 mph:10.8 Clk:3 to 9 MPH coming into Bend (- 10ft): 7.2 Leaving Bend (+10ft): 11.1 Min MPH over range: 7.2 at index 3580394	19142.10	191+42	3.63	39.73
B31	3.0	43	Right	Before u/s w.: 1.1%(0.464) MCSD: 40.4 ID:40.8 mph:8.9 Clk:2 to 8 After d/s w. : 0.9%(0.371) MCSD: 40.4 ID:40.8 mph:7.8 Clk:3 to 9 MPH coming into Bend (- 10ft): 9.3 Leaving Bend (+10ft): 8.5 Min MPH over range: 6.4 at index 3678730	19956.56	199+57	3.78	40.08
B32	3.0	31	Left	Before u/s w.: 1.2%(0.516) MCSD: 40.3 ID:40.8 mph:8.0 Clk:4 to 10 After d/s w. : 1.3%(0.527) MCSD: 40.3 ID:40.8 mph:6.3 Clk:4 to 10 MPH coming into Bend (- 10ft): 8.4 Leaving Bend (+10ft): 6.5 Min MPH over range: 6.0 at index 3730961	20381.84	203+82	3.86	40.02
B33	3.0	46	Right	Before u/s w.: 1.1%(0.471) MCSD: 40.5 ID:40.8 mph:0.0 Clk:3 to 9 After d/s w. : 1.1%(0.478) MCSD: 40.4 ID:40.8 mph:5.9 Clk:3 to 9 MPH coming into Bend (- 10ft): 4.3 Leaving Bend (+10ft): 7.3 Min MPH over range: 0.0 at index 3798763	20958.23	209+58	3.97	40.00
B34	3.0	30	Up-Left	Before u/s w.: 1.9%(0.806) MCSD: 40.0 ID:40.8 mph:7.3 Clk:2 to 8 After d/s w. : 1.8%(0.772) MCSD: 40.1 ID:40.8 mph:8.0 Clk:3 to 9 MPH coming into Bend (- 10ft): 9.4 Leaving Bend (+10ft): 11.0 Min MPH over range: 0.0 at index 3976010	22430.36	224+30	4.25	38.40

B35	3.0	13	Up	Before u/s w.: 0.8%(0.323) MCSD: 40.5 ID:40.8 mph:9.2 Clk:3 to 9 After d/s w.: 1.0%(0.399) MCSD: 40.4 ID:40.8 mph:7.3 Clk:3 to 9 MPH coming into Bend (-10ft): 8.9 Leaving Bend (+10ft): 7.5 Min MPH over range: 5.6 at index 3985673	22508.70	225+09	4.26	39.90
B36	3.0	25	Down-Right	Before u/s w.: 0.9%(0.379) MCSD: 40.4 ID:40.8 mph:8.9 Clk:2 to 8 After d/s w.: 1.2%(0.508) MCSD: 40.3 ID:40.8 mph:10.1 Clk:3 to 9 MPH coming into Bend (-10ft): 7.4 Leaving Bend (+10ft): 12.0 Min MPH over range: 7.2 at index 3987135	22531.57	225+32	4.27	39.76
B37	3.0	22	Right	Before u/s w.: 1.2%(0.521) MCSD: 40.3 ID:40.8 mph:2.1 Clk:2 to 8 After d/s w.: 0.8%(0.318) MCSD: 40.5 ID:40.8 mph:1.1 Clk:1 to 7 MPH coming into Bend (-10ft): 4.6 Leaving Bend (+10ft): 1.7 Min MPH over range: 0.4 at index 4025129	22835.24	228+35	4.32	39.76
B38	3.0	36	Left	Before u/s w.: 1.8%(0.767) MCSD: 39.9 ID:40.8 mph:4.6 Clk:4 to 10 After d/s w.: 1.9%(0.806) MCSD: 39.9 ID:40.8 mph:4.5 Clk:3 to 9 MPH coming into Bend (-10ft): 4.2 Leaving Bend (+10ft): 6.6 Min MPH over range: 2.9 at index 4180609	24140.42	241+40	4.57	38.98
B39	3.0	46	Right	Before u/s w.: 0.9%(0.357) MCSD: 40.5 ID:40.8 mph:5.9 Clk:3 to 9 After d/s w.: 1.4%(0.577) MCSD: 40.2 ID:40.8 mph:6.5 Clk:3 to 9 MPH coming into Bend (-10ft): 5.4 Leaving Bend (+10ft): 6.8 Min MPH over range: 4.7 at index 4311212	25227.65	252+28	4.78	39.80
B40	3.0	53	Right	Before u/s w.: 0.9%(0.362) MCSD: 40.5 ID:40.8 mph:10.9 Clk:3 to 9 After d/s w.: 0.7%(0.281) MCSD: 40.6 ID:40.8 mph:11.8 Clk:4 to 10 MPH coming into Bend (-10ft): 11.4 Leaving Bend (+10ft): 11.7 Min MPH over range: 8.6 at index 4351428	25562.93	255+63	4.84	39.89

B41	3.0	46	Left	Before u/s w.: 0.9%(0.374) MCSD: 40.6 ID:40.8 mph:6.0 Clk:3 to 9 After d/s w. : 0.8%(0.351) MCSD: 40.5 ID:40.8 mph:6.4 Clk:2 to 8 MPH coming into Bend (-10ft): 6.1 Leaving Bend (+10ft): 6.7 Min MPH over range: 3.5 at index 4401401	25981.36	259+81	4.92	39.93
B42	3.0	19	Down	Before u/s w.: 1.9%(0.805) MCSD: 39.8 ID:40.5 mph:3.4 Clk:3 to 9 After d/s w. : 1.8%(0.772) MCSD: 39.9 ID:40.8 mph:8.8 Clk:3 to 9 MPH coming into Bend (-10ft): 1.1 Leaving Bend (+10ft): 11.8 Min MPH over range: 0.1 at index 4507105	26863.37	268+63	5.09	39.26
B43	3.0	43	Up	Before u/s w.: 1.5%(0.639) MCSD: 40.1 ID:40.8 mph:12.1 Clk:3 to 9 After d/s w. : 1.6%(0.663) MCSD: 40.2 ID:40.8 mph:4.5 Clk:3 to 9 MPH coming into Bend (-10ft): 12.4 Leaving Bend (+10ft): 6.3 Min MPH over range: 3.6 at index 4511483	26886.72	268+87	5.09	39.21
B44	3.0	31	Up	Before u/s w.: 1.0%(0.428) MCSD: 40.4 ID:40.8 mph:1.6 Clk:3 to 9 After d/s w. : 0.5%(0.217) MCSD: 40.6 ID:40.8 mph:1.5 Clk:3 to 9 MPH coming into Bend (-10ft): 8.1 Leaving Bend (+10ft): 2.8 Min MPH over range: 0.0 at index 4528720	27037.22	270+37	5.12	39.88
B45	3.0	28	Down-Left	Before u/s w.: 1.3%(0.534) MCSD: 40.1 ID:40.5 mph:8.4 Clk:1 to 7 After d/s w. : 1.1%(0.465) MCSD: 40.1 ID:40.5 mph:12.1 Clk:2 to 8 MPH coming into Bend (-10ft): 6.4 Leaving Bend (+10ft): 13.0 Min MPH over range: 6.1 at index 4536378	27109.13	271+09	5.13	39.16
B46	3.0	21	Up	Before u/s w.: 1.3%(0.550) MCSD: 40.2 ID:40.8 mph:13.9 Clk:3 to 9 After d/s w. : 1.5%(0.627) MCSD: 40.2 ID:40.8 mph:15.5 Clk:3 to 9 MPH coming into Bend (-10ft): 16.5 Leaving Bend (+10ft): 15.4 Min MPH over range: 13.9 at index 4542223	27151.02	271+51	5.14	39.17

B47	3.0	14	Left	Before u/s w.: 0.5%(0.194) MCSD: 40.5 ID:40.8 mph:15.1 Clk:1 to 7 After d/s w.: 0.5%(0.194) MCSD: 40.5 ID:40.8 mph:14.0 Clk:2 to 8 MPH coming into Bend (-10ft): 16.8 Leaving Bend (+10ft): 17.2 Min MPH over range: 14.0 at index 4577607	27439.20	274+39	5.20	39.15
B48	3.0	53	Left	Before u/s w.: 0.3%(0.134) MCSD: 40.7 ID:40.8 mph:10.2 Clk:1 to 7 After d/s w.: 1.8%(0.736) MCSD: 40.0 ID:40.8 mph:10.7 Clk:3 to 9 MPH coming into Bend (-10ft): 9.7 Leaving Bend (+10ft): 11.9 Min MPH over range: 8.6 at index 4831050	29565.17	295+65	5.60	39.84
B49	3.0	65	Left	Before u/s w.: 0.7%(0.279) MCSD: 40.5 ID:40.8 mph:11.7 Clk:4 to 10 After d/s w.: 0.8%(0.320) MCSD: 40.4 ID:40.8 mph:10.7 Clk:1 to 7 MPH coming into Bend (-10ft): 11.9 Leaving Bend (+10ft): 10.5 Min MPH over range: 8.5 at index 4994578	30912.66	309+13	5.85	40.17
B50	3.0	24	Right	Before u/s w.: 1.9%(0.790) MCSD: 39.8 ID:40.8 mph:10.7 Clk:4 to 10 After d/s w.: 1.9%(0.790) MCSD: 39.8 ID:40.8 mph:10.6 Clk:4 to 10 MPH coming into Bend (-10ft): 12.6 Leaving Bend (+10ft): 12.1 Min MPH over range: 9.4 at index 5205903	32680.07	326+80	6.19	38.95
B51	3.0	45	Right	Before u/s w.: 1.2%(0.520) MCSD: 40.4 ID:40.8 mph:6.8 Clk:3 to 9 After d/s w.: 0.8%(0.351) MCSD: 40.5 ID:40.8 mph:4.0 Clk:3 to 9 MPH coming into Bend (-10ft): 9.0 Leaving Bend (+10ft): 3.8 Min MPH over range: 3.6 at index 5268474	33190.31	331+90	6.29	39.94
B52	3.0	24	Right	Before u/s w.: 1.2%(0.493) MCSD: 40.3 ID:40.8 mph:7.2 Clk:4 to 10 After d/s w.: 1.3%(0.533) MCSD: 40.3 ID:40.8 mph:4.9 Clk:4 to 10 MPH coming into Bend (-10ft): 9.3 Leaving Bend (+10ft): 6.9 Min MPH over range: 4.8 at index 5386449	34179.08	341+79	6.47	39.72

B53	3.0	23	Right	Before u/s w.: 1.4%(0.582) MCSD: 40.3 ID:40.8 mph:7.6 Clk:2 to 8 After d/s w.: 1.3%(0.555) MCSD: 40.3 ID:40.8 mph:6.7 Clk:1 to 7 MPH coming into Bend (-10ft): 8.5 Leaving Bend (+10ft): 8.5 Min MPH over range: 6.2 at index 5503557	35163.30	351+63	6.66	39.95
B54	3.0	27	Down-Left	Before u/s w.: 1.4%(0.573) MCSD: 40.1 ID:40.8 mph:4.4 Clk:4 to 10 After d/s w.: 1.0%(0.438) MCSD: 40.4 ID:40.8 mph:2.8 Clk:4 to 10 MPH coming into Bend (-10ft): 9.0 Leaving Bend (+10ft): 13.0 Min MPH over range: 0.0 at index 5589429	35872.42	358+72	6.79	39.44
B55	3.0	30	Right	Before u/s w.: 0.8%(0.349) MCSD: 40.4 ID:40.8 mph:10.5 Clk:2 to 8 After d/s w.: 1.1%(0.451) MCSD: 40.4 ID:40.8 mph:4.0 Clk:3 to 9 MPH coming into Bend (-10ft): 11.7 Leaving Bend (+10ft): 6.2 Min MPH over range: 3.9 at index 5666627	36512.87	365+13	6.92	39.72
B56	3.0	71	Left	Before u/s w.: 0.6%(0.263) MCSD: 40.5 ID:40.8 mph:14.6 Clk:2 to 8 After d/s w.: 1.1%(0.448) MCSD: 40.4 ID:40.8 mph:10.8 Clk:2 to 8 MPH coming into Bend (-10ft): 14.9 Leaving Bend (+10ft): 11.0 Min MPH over range: 9.9 at index 5719155	36947.26	369+47	7.00	38.96
B57	3.0	18	Left	Before u/s w.: 1.7%(0.716) MCSD: 40.1 ID:40.8 mph:7.1 Clk:4 to 10 After d/s w.: 1.0%(0.413) MCSD: 40.5 ID:40.8 mph:4.9 Clk:4 to 10 MPH coming into Bend (-10ft): 8.7 Leaving Bend (+10ft): 8.0 Min MPH over range: 4.6 at index 5810827	37716.27	377+16	7.14	39.75
B58	3.0	22	Up	Before u/s w.: 0.9%(0.398) MCSD: 40.4 ID:40.8 mph:7.5 Clk:4 to 10 After d/s w.: 1.2%(0.517) MCSD: 40.3 ID:40.8 mph:3.6 Clk:3 to 9 MPH coming into Bend (-10ft): 9.4 Leaving Bend (+10ft): 7.1 Min MPH over range: 0.1 at index 5816984	37768.31	377+68	7.15	39.67

B59	3.0	11	Up-Left	Before u/s w.: 1.0%(0.436) MCSD: 40.4 ID:40.8 mph:7.3 Clk:1 to 7 After d/s w.: 0.9%(0.375) MCSD: 40.5 ID:40.8 mph:2.3 Clk:1 to 7 MPH coming into Bend (-10ft): 8.2 Leaving Bend (+10ft): 5.1 Min MPH over range: 2.2 at index 5838396	37946.12	379+46	7.19	39.90
B60	3.0	16	Up	Before u/s w.: 1.3%(0.534) MCSD: 40.1 ID:40.5 mph:0.4 Clk:3 to 9 After d/s w.: 1.6%(0.691) MCSD: 39.9 ID:40.5 mph:2.2 Clk:3 to 9 MPH coming into Bend (-10ft): 3.6 Leaving Bend (+10ft): 4.6 Min MPH over range: 0.1 at index 5843513	37995.14	379+95	7.20	39.48
B61	3.0	11	Down	Before u/s w.: 0.6%(0.245) MCSD: 40.6 ID:40.8 mph:5.2 Clk:1 to 7 After d/s w.: 0.6%(0.262) MCSD: 40.1 ID:40.5 mph:7.3 Clk:3 to 9 MPH coming into Bend (-10ft): 4.3 Leaving Bend (+10ft): 9.7 Min MPH over range: 4.3 at index 5887417	38370.20	383+70	7.27	40.10
B62	3.0	13	Up	Before u/s w.: 0.7%(0.286) MCSD: 40.6 ID:40.8 mph:10.8 Clk:2 to 8 After d/s w.: 0.8%(0.353) MCSD: 40.0 ID:40.5 mph:9.2 Clk:2 to 8 MPH coming into Bend (-10ft): 11.4 Leaving Bend (+10ft): 7.5 Min MPH over range: 7.1 at index 5893800	38402.72	384+03	7.27	39.71
B63	3.0	34	Right	Before u/s w.: 0.4%(0.151) MCSD: 40.6 ID:40.8 mph:8.5 Clk:5 to 11 After d/s w.: 0.5%(0.222) MCSD: 40.6 ID:40.8 mph:6.8 Clk:4 to 10 MPH coming into Bend (-10ft): 8.2 Leaving Bend (+10ft): 7.5 Min MPH over range: 6.7 at index 5932774	38729.90	387+30	7.34	40.09
B64	3.0	30	Left	Before u/s w.: 1.3%(0.549) MCSD: 40.2 ID:40.8 mph:9.6 Clk:2 to 8 After d/s w.: 1.7%(0.718) MCSD: 40.1 ID:40.8 mph:4.9 Clk:1 to 7 MPH coming into Bend (-10ft): 10.4 Leaving Bend (+10ft): 8.4 Min MPH over range: 4.4 at index 5959111	38951.06	389+51	7.38	39.24

B65	3.0	16	Left	Before u/s w.: 1.5%(0.642) MCSD: 40.2 ID:40.8 mph:0.2 Clk:4 to 10 After d/s w.: 1.6%(0.659) MCSD: 40.2 ID:40.8 mph:3.4 Clk:4 to 10 MPH coming into Bend (-10ft): 5.9 Leaving Bend (+10ft): 5.6 Min MPH over range: 0.0 at index 5987138	39186.29	391+86	7.42	39.53
B66	3.0	36	Right	Before u/s w.: 0.3%(0.130) MCSD: 40.7 ID:40.8 mph:8.9 Clk:2 to 8 After d/s w.: 0.5%(0.208) MCSD: 40.7 ID:40.8 mph:6.0 Clk:2 to 8 MPH coming into Bend (-10ft): 7.3 Leaving Bend (+10ft): 7.8 Min MPH over range: 5.6 at index 6042874	39648.57	396+49	7.51	40.12
B67	3.0	78	Right	Before u/s w.: 1.1%(0.473) MCSD: 40.5 ID:40.8 mph:4.7 Clk:3 to 9 After d/s w.: 0.6%(0.239) MCSD: 40.6 ID:40.8 mph:3.5 Clk:3 to 9 MPH coming into Bend (-10ft): 6.7 Leaving Bend (+10ft): 4.3 Min MPH over range: 0.1 at index 6162694	40648.47	406+48	7.70	40.28
B68	3.0	53	Left	Before u/s w.: 0.9%(0.362) MCSD: 40.5 ID:40.8 mph:9.0 Clk:3 to 9 After d/s w.: 0.8%(0.350) MCSD: 40.5 ID:40.8 mph:7.8 Clk:1 to 7 MPH coming into Bend (-10ft): 9.1 Leaving Bend (+10ft): 7.7 Min MPH over range: 6.6 at index 6215503	41088.33	410+88	7.78	40.07
B69	3.0	44	Left	Before u/s w.: 0.7%(0.302) MCSD: 40.6 ID:40.8 mph:9.8 Clk:4 to 10 After d/s w.: 0.7%(0.280) MCSD: 40.5 ID:40.8 mph:9.9 Clk:6 to 12 MPH coming into Bend (-10ft): 9.6 Leaving Bend (+10ft): 10.2 Min MPH over range: 8.3 at index 6333595	42082.69	420+83	7.97	40.06
B70	3.0	11	Up	Before u/s w.: 0.9%(0.358) MCSD: 40.5 ID:40.8 mph:8.5 Clk:3 to 9 After d/s w.: 0.7%(0.306) MCSD: 40.6 ID:40.8 mph:4.9 Clk:4 to 10 MPH coming into Bend (-10ft): 9.8 Leaving Bend (+10ft): 7.4 Min MPH over range: 4.8 at index 6425449	42837.84	428+38	8.11	40.01

B71	3.0	15	Up-Right	Before u/s w.: 1.0%(0.420) MCSD: 40.2 ID:40.5 mph:1.1 Clk:3 to 9 After d/s w.: 0.9%(0.384) MCSD: 40.2 ID:40.5 mph:0.8 Clk:4 to 10 MPH coming into Bend (-10ft): 4.5 Leaving Bend (+10ft): 0.7 Min MPH over range: 0.2 at index 6468849	43205.74	432+06	8.18	39.91
B72	3.0	8	Up	Before u/s w.: 1.3%(0.531) MCSD: 40.0 ID:40.5 mph:5.1 Clk:3 to 9 After d/s w.: 1.2%(0.503) MCSD: 40.1 ID:40.5 mph:3.4 Clk:3 to 9 MPH coming into Bend (-10ft): 5.8 Leaving Bend (+10ft): 5.1 Min MPH over range: 3.4 at index 6482716	43315.51	433+16	8.20	39.52
B73	3.0	25	Left	Before u/s w.: 1.0%(0.417) MCSD: 40.4 ID:40.8 mph:6.1 Clk:2 to 8 After d/s w.: 1.1%(0.456) MCSD: 40.4 ID:40.8 mph:3.1 Clk:2 to 8 MPH coming into Bend (-10ft): 7.3 Leaving Bend (+10ft): 4.2 Min MPH over range: 2.8 at index 6517285	43603.00	436+03	8.26	40.18
B74	3.0	36	Right	Before u/s w.: 0.9%(0.382) MCSD: 40.5 ID:40.8 mph:0.4 Clk:2 to 8 After d/s w.: 0.9%(0.387) MCSD: 40.5 ID:40.8 mph:3.9 Clk:3 to 9 MPH coming into Bend (-10ft): 1.9 Leaving Bend (+10ft): 8.0 Min MPH over range: 0.1 at index 6723061	45331.41	453+31	8.59	40.00
B75	3.0	22	Left	Before u/s w.: 1.9%(0.790) MCSD: 40.0 ID:40.8 mph:16.3 Clk:2 to 8 After d/s w.: 1.9%(0.790) MCSD: 39.8 ID:40.8 mph:14.7 Clk:6 to 12 MPH coming into Bend (-10ft): 16.6 Leaving Bend (+10ft): 16.2 Min MPH over range: 13.1 at index 7007355	47690.20	476+90	9.03	39.35
B76	3.0	65	Right	Before u/s w.: 0.8%(0.327) MCSD: 40.5 ID:40.8 mph:14.1 Clk:4 to 10 After d/s w.: 1.2%(0.505) MCSD: 40.2 ID:40.8 mph:14.6 Clk:5 to 11 MPH coming into Bend (-10ft): 16.0 Leaving Bend (+10ft): 15.2 Min MPH over range: 11.2 at index 7066612	48190.90	481+91	9.13	39.63

B77	3.0	58	Left	Before u/s w.: 0.8%(0.328) MCSD: 40.5 ID:40.8 mph:15.6 Clk:3 to 9 After d/s w.: 0.8%(0.328) MCSD: 40.5 ID:40.8 mph:13.4 Clk:3 to 9 MPH coming into Bend (-10ft): 16.3 Leaving Bend (+10ft): 15.7 Min MPH over range: 13.2 at index 7135784	48753.52	487+54	9.23	39.77
B78	3.0	37	Left	Before u/s w.: 0.7%(0.301) MCSD: 40.4 ID:40.8 mph:15.2 Clk:4 to 10 After d/s w.: 0.7%(0.313) MCSD: 40.4 ID:40.8 mph:12.7 Clk:4 to 10 MPH coming into Bend (-10ft): 16.7 Leaving Bend (+10ft): 14.4 Min MPH over range: 11.2 at index 7207554	49353.98	493+54	9.35	39.83
B79	3.0	32	Right	Before u/s w.: 0.7%(0.312) MCSD: 40.4 ID:40.8 mph:13.7 Clk:3 to 9 After d/s w.: 1.1%(0.447) MCSD: 40.3 ID:40.8 mph:12.2 Clk:4 to 10 MPH coming into Bend (-10ft): 16.7 Leaving Bend (+10ft): 14.0 Min MPH over range: 11.6 at index 7330200	50376.51	503+77	9.54	39.74
B80	3.0	71	Left	Before u/s w.: 0.6%(0.267) MCSD: 40.5 ID:40.8 mph:17.1 Clk:2 to 8 After d/s w.: 1.1%(0.466) MCSD: 40.3 ID:40.8 mph:13.6 Clk:2 to 8 MPH coming into Bend (-10ft): 17.0 Leaving Bend (+10ft): 14.2 Min MPH over range: 13.0 at index 7381617	50800.92	508+01	9.62	39.57
B81	3.0	59	Right	Before u/s w.: 0.7%(0.291) MCSD: 40.5 ID:40.8 mph:15.4 Clk:2 to 8 After d/s w.: 1.8%(0.754) MCSD: 40.1 ID:40.8 mph:12.8 Clk:4 to 10 MPH coming into Bend (-10ft): 16.3 Leaving Bend (+10ft): 14.4 Min MPH over range: 10.7 at index 7426910	51192.05	511+92	9.70	39.71
B82	3.0	36	Right	Before u/s w.: 0.9%(0.361) MCSD: 40.4 ID:40.8 mph:15.1 Clk:3 to 9 After d/s w.: 1.0%(0.437) MCSD: 40.3 ID:40.8 mph:13.4 Clk:5 to 11 MPH coming into Bend (-10ft): 17.2 Leaving Bend (+10ft): 15.3 Min MPH over range: 11.9 at index 7702960	53482.51	534+83	10.13	39.75

B83	3.0	37	Right	Before u/s w.: 0.8%(0.351) MCSD: 40.4 ID:40.8 mph:16.0 Clk:4 to 10 After d/s w.: 0.9%(0.397) MCSD: 40.3 ID:40.8 mph:12.8 Clk:4 to 10 MPH coming into Bend (-10ft): 16.7 Leaving Bend (+10ft): 15.4 Min MPH over range: 12.1 at index 7779120	54117.16	541+17	10.25	39.98
B84	3.0	22	Left	Before u/s w.: 0.8%(0.322) MCSD: 40.5 ID:40.8 mph:7.2 Clk:4 to 10 After d/s w.: 0.7%(0.299) MCSD: 40.6 ID:40.8 mph:1.8 Clk:4 to 10 MPH coming into Bend (-10ft): 5.3 Leaving Bend (+10ft): 4.6 Min MPH over range: 0.4 at index 7864834	54830.07	548+30	10.38	40.08
B85	3.0	55	Left	Before u/s w.: 0.6%(0.247) MCSD: 40.7 ID:40.8 mph:1.3 Clk:4 to 10 After d/s w.: 0.5%(0.210) MCSD: 40.7 ID:40.8 mph:4.4 Clk:2 to 8 MPH coming into Bend (-10ft): 4.0 Leaving Bend (+10ft): 5.2 Min MPH over range: 0.1 at index 7874761	54925.37	549+25	10.40	40.31
B86	3.0	49	Right	Before u/s w.: 0.6%(0.238) MCSD: 40.7 ID:40.8 mph:2.5 Clk:1 to 7 After d/s w.: 0.4%(0.174) MCSD: 40.8 ID:40.8 mph:0.8 Clk:1 to 7 MPH coming into Bend (-10ft): 3.1 Leaving Bend (+10ft): 5.0 Min MPH over range: 0.2 at index 7965922	55672.86	556+73	10.54	40.46
B87	3.0	17	Up	Before u/s w.: 1.3%(0.562) MCSD: 40.3 ID:40.8 mph:3.3 Clk:4 to 10 After d/s w.: 1.1%(0.475) MCSD: 40.4 ID:40.8 mph:1.0 Clk:4 to 10 MPH coming into Bend (-10ft): 4.1 Leaving Bend (+10ft): 4.7 Min MPH over range: 0.2 at index 7970272	55706.87	557+07	10.55	39.90
B88	3.0	14	Down	Before u/s w.: 1.0%(0.431) MCSD: 39.8 ID:40.2 mph:3.3 Clk:2 to 8 After d/s w.: 1.0%(0.405) MCSD: 39.9 ID:40.2 mph:4.9 Clk:3 to 9 MPH coming into Bend (-10ft): 2.8 Leaving Bend (+10ft): 3.6 Min MPH over range: 0.3 at index 7991049	55881.94	558+82	10.58	39.57

B89	3.0	15	Up	Before u/s w.: 0.9%(0.388) MCSD: 39.9 ID:40.2 mph:0.6 Clk:3 to 9 After d/s w.: 0.7%(0.309) MCSD: 40.0 ID:40.2 mph:7.2 Clk:3 to 9 MPH coming into Bend (-10ft): 2.4 Leaving Bend (+10ft): 3.7 Min MPH over range: 0.3 at index 7994545	55920.01	559+20	10.59	39.54
B90	3.0	29	Up	Before u/s w.: 0.5%(0.204) MCSD: 40.1 ID:40.2 mph:0.9 Clk:3 to 9 After d/s w.: 0.5%(0.198) MCSD: 40.1 ID:40.2 mph:1.8 Clk:3 to 9 MPH coming into Bend (-10ft): 4.0 Leaving Bend (+10ft): 0.7 Min MPH over range: 0.4 at index 7999379	55963.75	559+64	10.60	39.69
B91	3.0	29	Down	Before u/s w.: 1.4%(0.581) MCSD: 39.7 ID:40.2 mph:2.6 Clk:3 to 9 After d/s w.: 1.2%(0.522) MCSD: 39.8 ID:40.2 mph:5.6 Clk:3 to 9 MPH coming into Bend (-10ft): 2.7 Leaving Bend (+10ft): 3.4 Min MPH over range: 0.4 at index 8003624	55986.74	559+87	10.60	39.37
B92	3.0	23	Left	Before u/s w.: 0.7%(0.297) MCSD: 40.0 ID:40.2 mph:7.0 Clk:4 to 10 After d/s w.: 0.8%(0.342) MCSD: 39.9 ID:40.2 mph:10.2 Clk:4 to 10 MPH coming into Bend (-10ft): 2.3 Leaving Bend (+10ft): 4.5 Min MPH over range: 0.4 at index 8005843	56016.35	560+16	10.61	39.61
B93	3.0	92	Left	Before u/s w.: 0.6%(0.265) MCSD: 40.1 ID:40.2 mph:7.5 Clk:3 to 9 After d/s w.: 0.8%(0.329) MCSD: 39.9 ID:40.2 mph:0.6 Clk:2 to 8 MPH coming into Bend (-10ft): 7.7 Leaving Bend (+10ft): 2.2 Min MPH over range: 0.4 at index 8014289	56079.26	560+79	10.62	39.62
B94	3.0	18	Down	Before u/s w.: 0.5%(0.229) MCSD: 40.0 ID:40.2 mph:4.6 Clk:2 to 8 After d/s w.: 0.9%(0.364) MCSD: 40.0 ID:40.2 mph:5.2 Clk:3 to 9 MPH coming into Bend (-10ft): 4.5 Leaving Bend (+10ft): 4.4 Min MPH over range: 0.5 at index 8020270	56126.36	561+26	10.63	39.71

		Field Report - Bend Index												
		CUSTOMER/CONTRACTOR		EQT - Mountain Valley Pipeline / Precision Pipeline LLC			PIPE DIAMETER		42.000 in					
		CUSTOMER LINE ID		42-inch MVP Project - Spread A, Section 4			WALL THICKNESS		.617 in					
		JOB NUMBER		B20-749E			PRODUCT		Air - 12400 cfm / 40 psi					
		LAUNCH STATION		Spread A, Section 4 Launcher			RUN DATE		22-Nov-2023					
				Salem, WV			FIELD ENGINEER		James Gaines					
		RECEIVE STATION		Spread A, Section 4 Receiver			CHART ANALYST		James Gaines					
				Salem, WV			REPORT DATE		11/22/2023					
		PIPELINE LENGTH		7.56 mi			ISSUE #		1					

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B13	Bend 16.0 deg. 3.0 Ds Up Turn MCSD: 39.62	Before u/s w.: 1.1%(0.481) MCSD: 40.0 ID:40.5 mph:8.2 Clk:3 to 9 After d/s w.: 1.1%(0.443) MCSD: 40.1 ID:40.5 mph:2.4 Clk:3 to 9 MPH coming into Bend (-10ft): 4.9 Leaving Bend (+10ft): 1.2 Min MPH over range: 0.4 at index 950188	1518.80	1736+91		4.7	0.740		39.62	1.7	3.3	1.7	6.1
B14	Bend 22.3 deg. 3.0 Ds Down Turn MCSD: 39.90	Before u/s w.: 0.3%(0.106) MCSD: 40.2 ID:40.2 mph:1.2 Clk:2 to 8 After d/s w.: 0.1%(0.025) MCSD: 40.2 ID:40.2 mph:2.9 Clk:3 to 9 MPH coming into Bend (-10ft): 4.5 Leaving Bend (+10ft): 2.3 Min MPH over range: 0.6 at index 954528	1553.54	1736+56		5.6	0.888		39.90	2.0	4.0	2.0	14.7
B15	Bend 10.7 deg. 3.0 Ds Up Turn MCSD: 39.71	Before u/s w.: 0.5%(0.221) MCSD: 40.0 ID:40.2 mph:2.0 Clk:3 to 9 After d/s w.: 0.5%(0.229) MCSD: 40.0 ID:40.2 mph:6.5 Clk:4 to 10 MPH coming into Bend (-10ft): 3.3 Leaving Bend (+10ft): 8.2 Min MPH over range: 0.4 at index 958398	1593.67	1736+16		4.7	0.888		39.71	1.1	2.2	1.1	3.0
B16	Fld Bnd 9.46 deg. Right Turn MCSD: 39.98		1618.30	1735+91		9.7	0.740		39.98	20.5	40.4	19.9	40.4
B17	Bend 8.8 deg. 3.0 Ds Left Turn MCSD: 39.76	Before u/s w.: 0.5%(0.209) MCSD: 40.3 ID:40.5 mph:3.3 Clk:4 to 10 After d/s w.: 0.5%(0.196) MCSD: 40.3 ID:40.5 mph:3.1 Clk:4 to 10 MPH coming into Bend (-10ft): 6.2 Leaving Bend (+10ft): 6.3 Min MPH over range: 0.5 at index 976028	1733.37	1734+76		4.3	0.740		39.76	1.3	2.5	1.3	8.5
B18	Bend 20.3 deg. 3.0 Ds Up & Right Turn MCSD: 39.67	Before u/s w.: 1.1%(0.468) MCSD: 40.1 ID:40.5 mph:7.6 Clk:2 to 8 After d/s w.: 1.1%(0.475) MCSD: 40.0 ID:40.5 mph:6.7 Clk:1 to 7 MPH coming into Bend (-10ft): 6.9 Leaving Bend (+10ft): 5.2 Min MPH over range: 5.2 at index 985144	1802.32	1734+07		6.5	0.740		39.67	2.0	4.0	2.0	19.7
B19	Fld Bnd 7.1 deg. Left Turn MCSD: 39.81		1920.77	1732+89		4.6	0.740		39.81	20.0	40.7	20.8	13.7
B20	Bend 14.0 deg. 3.0 Ds Up & Right Turn MCSD: 39.99	Before u/s w.: 0.3%(0.139) MCSD: 40.3 ID:40.5 mph:3.9 Clk:2 to 8 After d/s w.: 0.5%(0.195) MCSD: 40.3 ID:40.5 mph:0.9 Clk:2 to 8 MPH coming into Bend (-10ft): 2.6 Leaving Bend (+10ft): 3.7 Min MPH over range: 0.9 at index 1010085	2016.52	1731+93		3.1	0.740		39.99	1.6	3.1	1.5	5.0
B21	Bend 11.4 deg. 3.0 Ds Left Turn MCSD: 39.80	Before u/s w.: 1.1%(0.463) MCSD: 40.1 ID:40.5 mph:2.6 Clk:2 to 8 After d/s w.: 0.7%(0.293) MCSD: 40.2 ID:40.5 mph:6.1 Clk:2 to 8 MPH coming into Bend (-10ft): 3.3 Leaving Bend (+10ft): 5.4 Min MPH over range: 0.2 at index 1026619	2160.30	1730+49		5.0	0.740		39.80	1.3	2.6	1.3	29.1
B22	Fld Bnd 7.89 deg. Right Turn MCSD: 39.77		2234.58	1729+75		6.5	0.740		39.77	22.4	40.1	17.7	40.3
B23	Fld Bnd 9.64 deg. Left Turn MCSD: 39.96		2414.26	1727+95		2.2	0.740		39.96	21.8	40.8	19.0	40.7
B24	Fld Bnd 9.88 deg. Down & Left Turn MCSD: 39.90		2453.18	1727+56		7.0	0.740		39.90	19.9	40.7	20.9	40.8
B25	Fld Bnd 9.7 deg. Down & Left Turn MCSD: 39.92		2493.24	1727+16		2.3	0.740		39.92	19.2	40.8	21.6	38.9
B26	Fld Bnd 12.26 deg. Down & Left Turn MCSD: 39.77		2534.67	1726+75		6.6	0.740		39.77	19.9	38.9	19.1	19.6
B27	Fld Bnd 6.05 deg. Right Turn MCSD: 39.94		2677.22	1725+32		3.1	0.740		39.94	23.1	40.3	17.2	40.3
B28	Fld Bnd 6.3 deg. Right Turn MCSD: 39.99		2716.75	1724+93		4.0	0.740		39.99	22.3	40.3	18.0	21.3
B29	Fld Bnd 5.75 deg. Right & Down Turn MCSD: 40.06		2874.75	1723+35		2.8	0.740		40.06	20.6	40.4	19.9	40.5

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B30	Fld Bnd 10.84 deg. Left & Up Turn MCSD: 39.99		2954.58	1722+55		2.9	0.740		39.99	19.5	40.7	21.2	10.0
B31	Fld Bnd 10.5 deg. Right & Down Turn MCSD: 39.80		3238.02	1719+72		3.0	0.740		39.80	20.4	40.4	19.9	17.0
B32	Bend 31.3 deg. 3.0 Ds Right Turn MCSD: 39.97	Before u/s w.: 0.4%(0.174) MCSD: 40.4 ID:40.5 mph:5.8 Clk:3 to 9 After d/s w.: 0.4%(0.171) MCSD: 40.3 ID:40.5 mph:8.2 Clk:2 to 8 MPH coming into Bend (-10ft): 5.4 Leaving Bend (+10ft): 8.7 Min MPH over range: 5.1 at index 1160409	3278.10	1719+31		9.1	0.740		39.97	3.1	6.3	3.2	3.0
B33	Bend 20.1 deg. 3.0 Ds Up Turn MCSD: 39.77	Before u/s w.: 0.5%(0.203) MCSD: 40.3 ID:40.5 mph:6.1 Clk:4 to 10 After d/s w.: 0.6%(0.247) MCSD: 40.3 ID:40.5 mph:2.8 Clk:4 to 10 MPH coming into Bend (-10ft): 5.4 Leaving Bend (+10ft): 7.1 Min MPH over range: 0.4 at index 1168199	3336.33	1718+73		3.7	0.740		39.77	2.1	4.3	2.1	7.8
B34	Bend 26.5 deg. 3.0 Ds Up Turn MCSD: 39.51	Before u/s w.: 1.3%(0.547) MCSD: 39.7 ID:40.2 mph:4.0 Clk:3 to 9 After d/s w.: 1.0%(0.432) MCSD: 39.6 ID:40.2 mph:5.8 Clk:3 to 9 MPH coming into Bend (-10ft): 2.0 Leaving Bend (+10ft): 2.5 Min MPH over range: 2.0 at index 1180879	3453.80	1717+56		5.4	0.888		39.51	2.3	4.7	2.3	11.8
B35	Fld Bnd 5.98 deg. Right & Down Turn MCSD: 40.16		3648.00	1715+62		2.9	0.740		40.16	21.7	40.3	18.7	13.0
B36	Bend 30.5 deg. 3.0 Ds Left Turn MCSD: 39.39	Before u/s w.: 0.6%(0.258) MCSD: 40.3 ID:40.5 mph:6.5 Clk:6 to 12 After d/s w.: 0.5%(0.200) MCSD: 40.3 ID:40.5 mph:3.1 Clk:6 to 12 MPH coming into Bend (-10ft): 5.7 Leaving Bend (+10ft): 7.1 Min MPH over range: 0.2 at index 1228479	3840.18	1713+69		2.6	0.740		39.39	3.0	6.0	3.0	7.7
B37	Fld Bnd 10.11 deg. Left Turn MCSD: 40.01		4311.32	1708+98		2.2	0.740		40.01	20.8	40.8	19.9	40.5
B38	Fld Bnd 10.23 deg. Left Turn MCSD: 40.05		4352.16	1708+57		1.2	0.740		40.05	20.9	40.5	19.6	20.5
B39	Fld Bnd 8.65 deg. Right Turn MCSD: 40.16		4688.46	1705+21		2.4	0.740		40.16	20.1	40.3	20.2	40.1
B40	Bend 28.9 deg. 3.0 Ds Right Turn MCSD: 40.13	Before u/s w.: 0.2%(0.072) MCSD: 40.5 ID:40.5 mph:5.4 Clk:3 to 9 After d/s w.: 0.1%(0.054) MCSD: 40.5 ID:40.5 mph:0.6 Clk:3 to 9 MPH coming into Bend (-10ft): 3.4 Leaving Bend (+10ft): 2.8 Min MPH over range: 0.3 at index 1345137	4808.25	1704+01		3.7	0.740		40.13	3.0	5.9	3.0	17.0
B41	Fld Bnd 8.92 deg. Left Turn MCSD: 39.90		5043.37	1701+66		9.3	0.740		39.90	21.4	40.8	19.4	38.8
B42	Bend 29.7 deg. 3.0 Ds Left Turn MCSD: 40.04	Before u/s w.: 0.5%(0.213) MCSD: 40.4 ID:40.5 mph:4.1 Clk:4 to 10 After d/s w.: 0.3%(0.119) MCSD: 40.4 ID:40.5 mph:4.1 Clk:4 to 10 MPH coming into Bend (-10ft): 3.4 Leaving Bend (+10ft): 5.4 Min MPH over range: 3.4 at index 1384320	5148.64	1700+61		4.4	0.740		40.04	2.9	5.8	2.9	3.0
B43	Fld Bnd 9.21 deg. Down & Left Turn MCSD: 39.81		5689.16	1695+20		8.1	0.740		39.81	21.2	40.5	19.3	40.8
B44	Fld Bnd 10.22 deg. Down & Left Turn MCSD: 39.84		5729.02	1694+81		7.1	0.740		39.84	20.6	40.8	20.2	40.5
B45	Fld Bnd 5.44 deg. Up & Right Turn MCSD: 40.38		6796.78	1684+13		7.4	0.617		40.38	23.4	39.8	16.4	39.9
B46	Fld Bnd 5.65 deg. Right Turn MCSD: 40.55		6953.55	1682+56		6.4	0.617		40.55	20.9	39.9	19.0	39.7

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B47	Bend 50.5 deg. 3.0 Ds Right Turn MCSD: 40.27	Before u/s w.: 0.3%(0.127) MCSD: 40.7 ID:40.8 mph:5.5 Clk:5 to 11 After d/s w.: 0.2%(0.078) MCSD: 40.6 ID:40.8 mph:7.0 Clk:4 to 10 MPH coming into Bend (-10ft): 6.2 Leaving Bend (+10ft): 8.1 Min MPH over range: 0.4 at index 1612562	7046.56	1681+63		5.3	0.617		40.27	5.2	10.4	5.2	3.1
B48	Bend 6.68 deg. 3.0 Ds Down & Left Turn MCSD: 40.61	Before u/s w.: 0.1%(0.057) MCSD: 40.7 ID:40.8 mph:8.7 Clk:2 to 8 After d/s w.: 0.8%(0.343) MCSD: 40.4 ID:40.8 mph:9.9 Clk:6 to 12 MPH coming into Bend (-10ft): 9.0 Leaving Bend (+10ft): 9.0 Min MPH over range: 0.2 at index 1651997	7369.47	1678+40		3.0	0.617		40.61	7.2	39.9	32.7	39.8
B49	Bend 44.6 deg. 3.0 Ds Left Turn MCSD: 40.28	Before u/s w.: 0.4%(0.152) MCSD: 40.6 ID:40.8 mph:11.3 Clk:5 to 11 After d/s w.: 0.3%(0.135) MCSD: 40.6 ID:40.8 mph:9.1 Clk:2 to 8 MPH coming into Bend (-10ft): 11.2 Leaving Bend (+10ft): 10.7 Min MPH over range: 9.1 at index 1662353	7449.89	1677+60		9.8	0.617		40.28	4.7	9.4	4.7	3.1
B50	Fld Bnd 9.47 deg. Down & Left Turn MCSD: 39.90		7477.54	1677+32		10.7	0.617		39.90	19.9	40.1	20.2	29.5
B51	Fld Bnd 7.28 deg. Right Turn MCSD: 40.50		7950.17	1672+59		6.7	0.617		40.50	21.2	39.6	18.4	16.2
B52	Fld Bnd 7.71 deg. Right Turn MCSD: 40.39		8125.90	1670+84		13.2	0.617		40.39	21.6	39.6	18.0	39.6
B53	Fld Bnd 8.07 deg. Right Turn MCSD: 40.36		8165.62	1670+44		12.7	0.617		40.36	21.7	39.6	17.9	39.7
B54	Fld Bnd 8.5 deg. Up & Right Turn MCSD: 40.44		8202.94	1670+07		9.2	0.617		40.44	19.4	39.7	20.3	34.9
B55	Fld Bnd 6.22 deg. Right Turn MCSD: 40.33		8321.59	1668+88		7.2	0.617		40.33	23.7	39.8	16.1	39.8
B56	Fld Bnd 6.67 deg. Right Turn MCSD: 40.34		8495.20	1667+14		10.4	0.617		40.34	18.4	39.6	21.2	39.9
B57	Fld Bnd 9.94 deg. Right Turn MCSD: 40.44		8729.76	1664+80		10.1	0.617		40.44	21.0	39.7	18.7	20.5
B58	Fld Bnd 10.58 deg. Down & Left Turn MCSD: 40.27		8830.27	1663+79		10.5	0.617		40.27	21.5	40.1	18.6	13.0
B59	Fld Bnd 8.44 deg. Left Turn MCSD: 40.42		8921.65	1662+88		7.5	0.617		40.42	19.7	40.1	20.3	40.1
B60	Fld Bnd 8.5 deg. Down & Left Turn MCSD: 40.42		8964.07	1662+46		7.3	0.617		40.42	22.1	40.1	18.0	3.2
B61	Bend 28.8 deg. 3.0 Ds Left Turn MCSD: 40.05	Before u/s w.: 0.4%(0.176) MCSD: 40.6 ID:40.8 mph:9.1 Clk:6 to 12 After d/s w.: 0.5%(0.194) MCSD: 40.6 ID:40.8 mph:5.9 Clk:1 to 7 MPH coming into Bend (-10ft): 8.8 Leaving Bend (+10ft): 7.4 Min MPH over range: 5.4 at index 1846892	8988.37	1662+21		7.9	0.617		40.05	3.1	6.2	3.1	10.1
B62	Bend 19.3 deg. 3.0 Ds Up Turn MCSD: 39.30	Before u/s w.: 1.6%(0.681) MCSD: 40.1 ID:40.8 mph:4.4 Clk:3 to 9 After d/s w.: 1.4%(0.607) MCSD: 40.2 ID:40.8 mph:0.9 Clk:3 to 9 MPH coming into Bend (-10ft): 5.0 Leaving Bend (+10ft): 6.3 Min MPH over range: 0.3 at index 1907761	9503.35	1657+06		3.3	0.617		39.30	2.2	4.3	2.2	6.4
B63	Fld Bnd 8.19 deg. Left Turn MCSD: 39.57		9633.92	1655+76		7.1	0.864		39.57	20.7	39.7	19.0	12.3
B64	Bend 14.9 deg. 3.0 Ds Up Turn MCSD: 39.61	Before u/s w.: 1.5%(0.627) MCSD: 39.9 ID:40.5 mph:4.0 Clk:3 to 9 After d/s w.: 1.1%(0.450) MCSD: 40.1 ID:40.5 mph:4.3 Clk:3 to 9 MPH coming into Bend (-10ft): 4.2 Leaving Bend (+10ft): 3.2 Min MPH over range: 3.1 at index 1956425	9897.37	1653+12		3.6	0.740		39.61	1.5	3.0	1.5	11.6

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B65	Bend 16.1 deg. 3.0 Ds Down Turn MCSD: 39.72	Before u/s w.: 0.9%(0.388) MCSD: 40.1 ID:40.5 mph:6.6 Clk:3 to 9 After d/s w.: 0.9%(0.393) MCSD: 40.2 ID:40.5 mph:7.7 Clk:3 to 9 MPH coming into Bend (-10ft): 4.8 Leaving Bend (+10ft): 1.9 Min MPH over range: 0.3 at index 1960398	9929.63	1652+80		8.4	0.740		39.72	1.4	2.7	1.4	4.0
B66	Fld Bnd 7.12 deg. Right & Down Turn MCSD: 40.48		10231.62	1649+78		10.2	0.617		40.48	22.0	39.8	17.8	39.9
B67	Fld Bnd 10.37 deg. Right Turn MCSD: 40.27		10462.12	1647+47		4.2	0.617		40.27	19.4	39.8	20.4	40.0
B68	Fld Bnd 10.62 deg. Right Turn MCSD: 40.30		10503.08	1647+06		5.5	0.617		40.30	20.6	40.0	19.5	32.5
B69	Fld Bnd 6.46 deg. Down & Left Turn MCSD: 40.38		11385.38	1638+24		6.5	0.617		40.38	23.2	40.1	16.9	3.3
B70	Bend 45.2 deg. 3.0 Ds Left Turn MCSD: 40.01	Before u/s w.: 0.5%(0.199) MCSD: 40.6 ID:40.8 mph:2.3 Clk:3 to 9 After d/s w.: 0.6%(0.254) MCSD: 40.6 ID:40.8 mph:3.5 Clk:3 to 9 MPH coming into Bend (-10ft): 3.3 Leaving Bend (+10ft): 3.4 Min MPH over range: 0.3 at index 2137862	11410.20	1637+99		4.2	0.617		40.01	4.6	9.3	4.6	3.0
B71	Fld Bnd 6.07 deg. Right Turn MCSD: 40.33		11677.32	1635+32		9.3	0.617		40.33	18.5	39.9	21.3	39.9
B72	Fld Bnd 6.81 deg. Right Turn MCSD: 40.39		11720.02	1634+90		9.5	0.617		40.39	21.4	39.9	18.5	10.3
B73	Bend 44.2 deg. 3.0 Ds Right Turn MCSD: 39.86	Before u/s w.: 0.2%(0.077) MCSD: 40.8 ID:40.8 mph:4.8 Clk:6 to 12 After d/s w.: 0.3%(0.117) MCSD: 40.6 ID:40.8 mph:3.7 Clk:4 to 10 MPH coming into Bend (-10ft): 1.5 Leaving Bend (+10ft): 6.6 Min MPH over range: 1.5 at index 2190775	11869.20	1633+40		4.5	0.617		39.86	4.4	8.8	4.4	3.0
B74	Fld Bnd 6.34 deg. Right Turn MCSD: 40.23		11935.32	1632+74		7.8	0.617		40.23	18.8	38.8	20.0	19.5
B75	Fld Bnd 10.83 deg. Left Turn MCSD: 40.22		12026.12	1631+83		9.7	0.617		40.22	22.7	39.9	17.2	40.5
B76	Bend 12.2 deg. 3.0 Ds Up & Right Turn MCSD: 39.80	Before u/s w.: 1.0%(0.416) MCSD: 40.3 ID:40.8 mph:9.8 Clk:6 to 12 After d/s w.: 0.5%(0.218) MCSD: 40.5 ID:40.8 mph:2.7 Clk:6 to 12 MPH coming into Bend (-10ft): 10.6 Leaving Bend (+10ft): 7.5 Min MPH over range: 0.0 at index 2248286	12334.72	1628+75		7.0	0.617		39.80	1.9	3.9	1.9	3.0
B77	Fld Bnd 11.37 deg. Left & Up Turn MCSD: 40.00		12373.47	1628+36		8.9	0.617		40.00	16.1	40.0	21.9	25.1
B78	Fld Bnd 9.39 deg. Left Turn MCSD: 40.37		12798.00	1624+12		9.6	0.617		40.37	19.0	40.2	21.2	10.8
B79	Fld Bnd 5.57 deg. Right Turn MCSD: 40.38		13046.61	1621+63		10.2	0.617		40.38	17.0	39.7	22.7	22.3
B80	Fld Bnd 6.2 deg. Right Turn MCSD: 40.44		13444.57	1617+65		8.6	0.617		40.44	19.7	39.2	19.5	39.9
B81	Fld Bnd 7.14 deg. Right Turn MCSD: 40.34		13481.71	1617+28		7.1	0.617		40.34	17.7	39.9	22.2	39.9
B82	Fld Bnd 5.44 deg. Right Turn MCSD: 40.38		13524.66	1616+85		5.9	0.617		40.38	20.7	39.9	19.2	24.2
B83	Fld Bnd 9.3 deg. Left Turn MCSD: 40.24		13707.47	1615+02		3.1	0.617		40.24	20.1	40.3	20.2	40.0
B84	Fld Bnd 8.14 deg. Left Turn MCSD: 40.30		13748.38	1614+61		7.5	0.617		40.30	20.7	40.0	19.3	39.6
B85	Fld Bnd 10.0 deg. Left Turn MCSD: 40.30		13960.73	1612+49		9.0	0.617		40.30	20.7	38.1	17.4	14.9
B86	Bend 36.0 deg. 3.0 Ds Left Turn MCSD: 40.28	Before u/s w.: 0.4%(0.182) MCSD: 40.6 ID:40.8 mph:8.8 Clk:1 to 7 After d/s w.: 0.5%(0.219) MCSD: 40.5 ID:40.8 mph:3.8 Clk:1 to 7 MPH coming into Bend (-10ft): 8.9 Leaving Bend (+10ft): 9.6 Min MPH over range: 0.1 at index 2489064	14341.78	1608+68		5.1	0.617		40.28	3.1	6.2	3.1	3.0

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B87	Bend 44.7 deg. 3.0 Ds Left Turn MCSD: 40.04	Before u/s w.: 0.3%(0.135) MCSD: 40.7 ID:40.8 mph:10.6 Clk:5 to 11 After d/s w.: 0.3%(0.105) MCSD: 40.6 ID:40.8 mph:9.3 Clk:6 to 12 MPH coming into Bend (-10ft): 10.7 Leaving Bend (+10ft): 11.3 Min MPH over range: 8.7 at index 2497638	14410.53	1607+99		9.9	0.617		40.04	4.5	9.0	4.5	3.3
B88	Fld Bnd 6.71 deg. Right Turn MCSD: 40.40		14850.24	1603+59		6.3	0.617		40.40	23.2	39.7	16.5	40.1
B89	Fld Bnd 7.89 deg. Right & Down Turn MCSD: 40.43		14889.42	1603+20		2.4	0.617		40.43	22.7	40.1	17.3	39.9
B90	Fld Bnd 5.55 deg. Right Turn MCSD: 40.44		14929.54	1602+80		1.4	0.617		40.44	22.8	39.9	17.1	25.3
B91	Fld Bnd 8.77 deg. Right & Down Turn MCSD: 40.43		15232.12	1599+77		7.8	0.617		40.43	22.3	39.8	17.5	39.8
B92	Fld Bnd 9.21 deg. Right & Down Turn MCSD: 40.25		15269.97	1599+40		10.0	0.617		40.25	20.4	39.8	19.4	39.8
B93	Fld Bnd 7.27 deg. Right Turn MCSD: 40.45		15310.88	1598+99		12.8	0.617		40.45	21.5	39.8	18.3	28.2
B94	Fld Bnd 7.98 deg. Left Turn MCSD: 40.33		15659.38	1595+50		2.3	0.617		40.33	22.8	42.0	19.2	41.3
B95	Fld Bnd 5.72 deg. Left & Up Turn MCSD: 40.43		15697.33	1595+12		6.9	0.617		40.43	18.7	41.3	22.6	39.1
B96	Bend 26.0 deg. 3.0 Ds Left Turn MCSD: 39.78	Before u/s w.: 0.5%(0.227) MCSD: 40.3 ID:40.5 mph:2.4 Clk:4 to 10 After d/s w.: 0.5%(0.226) MCSD: 40.3 ID:40.5 mph:6.7 Clk:6 to 12 MPH coming into Bend (-10ft): 3.7 Leaving Bend (+10ft): 2.4 Min MPH over range: 1.6 at index 2659993	15774.88	1594+35		7.0	0.740		39.78	2.5	5.1	2.5	11.3
B97	Bend 6.6 deg. 3.0 Ds Left & Up Turn MCSD: 39.38	Before u/s w.: 1.6%(0.684) MCSD: 39.8 ID:40.5 mph:1.2 Clk:3 to 9 After d/s w.: 1.6%(0.658) MCSD: 39.9 ID:40.5 mph:1.9 Clk:3 to 9 MPH coming into Bend (-10ft): 1.8 Leaving Bend (+10ft): 2.2 Min MPH over range: 0.2 at index 2665128	15812.39	1593+97		1.0	0.740		39.38	1.2	2.3	1.1	15.8
B98	Bend 22.2 deg. 3.0 Ds Left Turn MCSD: 40.00	Before u/s w.: 0.4%(0.173) MCSD: 40.4 ID:40.5 mph:2.3 Clk:2 to 8 After d/s w.: 0.6%(0.238) MCSD: 40.3 ID:40.5 mph:2.8 Clk:2 to 8 MPH coming into Bend (-10ft): 1.2 Leaving Bend (+10ft): 2.0 Min MPH over range: 1.0 at index 2668485	15848.79	1593+61		4.8	0.740		40.00	2.3	4.6	2.3	24.3
B99	Fld Bnd 5.61 deg. Right Turn MCSD: 40.47		16414.00	1587+96		9.0	0.617		40.47	17.1	39.7	22.6	39.6
B100	Fld Bnd 5.17 deg. Right & Down Turn MCSD: 40.43		16452.07	1587+58		8.7	0.617		40.43	15.4	39.6	24.1	39.8
B101	Fld Bnd 5.72 deg. Down & Left Turn MCSD: 40.41		16657.09	1585+52		2.8	0.617		40.41	16.7	38.7	22.0	40.1
B102	Fld Bnd 6.61 deg. Down & Left Turn MCSD: 40.30		16700.18	1585+09		7.1	0.617		40.30	21.1	40.1	19.0	20.0
B103	Fld Bnd 11.49 deg. Left Turn MCSD: 40.28		16800.15	1584+09		2.9	0.617		40.28	21.0	40.3	19.3	40.3
B104	Fld Bnd 10.53 deg. Left Turn MCSD: 40.32		16837.74	1583+72		0.7	0.617		40.32	18.3	40.3	22.0	39.9
B105	Bend 36.28 deg. 3.0 Ds Right Turn MCSD: 40.13	Before u/s w.: 0.3%(0.131) MCSD: 40.6 ID:40.8 mph:6.6 Clk:5 to 11 After d/s w.: 0.6%(0.245) MCSD: 40.5 ID:40.8 mph:4.1 Clk:3 to 9 MPH coming into Bend (-10ft): 3.9 Leaving Bend (+10ft): 9.1 Min MPH over range: 3.7 at index 2836775	17239.07	1579+71		5.6	0.617		40.13	4.3	7.0	2.8	3.0
B106	Fld Bnd 7.27 deg. Left Turn MCSD: 40.28		17563.36	1576+46		10.2	0.617		40.28	22.9	40.1	17.2	11.6

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B107	Bend 64.6 deg. 3.0 Ds Left Turn MCSD: 40.24	Before u/s w.: 0.2%(0.104) MCSD: 40.7 ID:40.8 mph:6.3 Clk:2 to 8 After d/s w.: 0.4%(0.168) MCSD: 40.6 ID:40.8 mph:7.1 Clk:1 to 7 MPH coming into Bend (-10ft): 6.6 Leaving Bend (+10ft): 7.5 Min MPH over range: 5.1 at index 2892700	17715.80	1574+94		6.9	0.617		40.24	6.5	13.0	6.5	3.1
B108	Fld Bnd 7.69 deg. Left Turn MCSD: 40.32		17908.98	1573+01		7.8	0.617		40.32	23.2	40.1	16.9	40.1
B109	Fld Bnd 8.62 deg. Left Turn MCSD: 40.31		18105.55	1571+04		6.4	0.617		40.31	20.5	40.1	19.7	40.1
B110	Fld Bnd 7.2 deg. Left Turn MCSD: 40.42		18144.63	1570+65		7.7	0.617		40.42	19.4	40.1	20.7	28.0
B111	Fld Bnd 6.95 deg. Right Turn MCSD: 40.41		18546.27	1566+63		5.5	0.617		40.41	23.3	39.8	16.4	23.8
B112	Bend 34.5 deg. 3.0 Ds Right Turn MCSD: 39.83	Before u/s w.: 0.8%(0.355) MCSD: 40.3 ID:40.8 mph:6.2 Clk:5 to 11 After d/s w.: 0.8%(0.353) MCSD: 40.3 ID:40.8 mph:2.5 Clk:6 to 12 MPH coming into Bend (-10ft): 7.1 Leaving Bend (+10ft): 6.9 Min MPH over range: 1.9 at index 3014048	18714.57	1564+95		4.3	0.617		39.83	3.5	7.0	3.5	5.0
B113	Fld Bnd 11.06 deg. Right & Down Turn MCSD: 40.35		19776.41	1554+33		6.7	0.617		40.35	20.5	39.8	19.3	3.1
B114	Bend 69.1 deg. 3.0 Ds Right Turn MCSD: 39.38	Before u/s w.: 0.5%(0.192) MCSD: 40.6 ID:40.8 mph:6.4 Clk:3 to 9 After d/s w.: 0.9%(0.387) MCSD: 40.3 ID:40.8 mph:2.5 Clk:5 to 11 MPH coming into Bend (-10ft): 6.5 Leaving Bend (+10ft): 4.7 Min MPH over range: 1.8 at index 3145312	19805.40	1554+04		4.9	0.617		39.38	6.6	13.3	6.6	10.1
B115	Bend 7.8 deg. 3.0 Ds Left Turn MCSD: 39.75	Before u/s w.: 0.5%(0.210) MCSD: 40.0 ID:40.2 mph:3.2 Clk:4 to 10 After d/s w.: 0.5%(0.211) MCSD: 40.0 ID:40.2 mph:4.1 Clk:4 to 10 MPH coming into Bend (-10ft): 5.7 Leaving Bend (+10ft): 6.9 Min MPH over range: 0.6 at index 3147204	19829.55	1553+80		1.7	0.888		39.75	2.2	4.4	2.2	5.2
B116	Fld Bnd 7.84 deg. Right Turn MCSD: 40.47		20111.12	1550+98		9.5	0.617		40.47	23.2	39.7	16.5	39.6
B117	Fld Bnd 7.32 deg. Right Turn MCSD: 40.50		20148.53	1550+61		7.5	0.617		40.50	20.9	39.6	18.7	29.7
B118	Fld Bnd 6.44 deg. Right Turn MCSD: 40.29		20633.33	1545+76		4.4	0.617		40.29	16.5	39.7	21.1	39.7
B119	Fld Bnd 5.07 deg. Left Turn MCSD: 40.32		20898.00	1543+12		6.5	0.617		40.32	19.2	40.2	21.0	39.9
B120	Fld Bnd 7.96 deg. Left Turn MCSD: 40.27		20975.70	1542+34		4.7	0.617		40.27	16.8	40.2	23.4	41.1
B121	Fld Bnd 6.38 deg. Left Turn MCSD: 40.33		21232.58	1539+77		8.9	0.617		40.33	17.8	40.1	22.3	41.2
B122	Fld Bnd 7.74 deg. Left Turn MCSD: 40.49		21273.91	1539+36		5.0	0.617		40.49	19.0	41.2	22.2	38.1
B123	Fld Bnd 6.93 deg. Right Turn MCSD: 40.49		21360.34	1538+49		8.3	0.617		40.49	26.1	41.3	15.2	40.3
B124	Fld Bnd 5.67 deg. Right Turn MCSD: 40.38		21399.94	1538+10		5.4	0.617		40.38	24.4	40.3	15.9	39.8
B125	Fld Bnd 9.3 deg. Right Turn MCSD: 40.51		21528.37	1536+81		8.8	0.617		40.51	22.1	41.1	19.0	41.4
B126	Fld Bnd 5.98 deg. Right Turn MCSD: 40.35		21858.62	1533+51		9.3	0.617		40.35	19.8	40.9	21.0	20.0
B127	Fld Bnd 5.86 deg. Right Turn MCSD: 40.36		21962.72	1532+47		6.8	0.617		40.36	23.3	42.7	19.4	41.5
B128	Fld Bnd 6.2 deg. Up & Right Turn MCSD: 40.16		22002.92	1532+07		4.4	0.617		40.16	20.8	41.5	20.7	40.1
B129	Fld Bnd 5.17 deg. Right Turn MCSD: 40.28		22046.62	1531+63		6.9	0.617		40.28	23.0	40.1	17.0	29.7
B130	Fld Bnd 7.15 deg. Left Turn MCSD: 40.33		22222.49	1529+87		9.9	0.617		40.33	23.8	43.4	19.6	40.8

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B131	Bend 44.2 deg. 3.0 Ds Right Turn MCSD: 40.04	Before u/s w.: 0.3%(0.146) MCSD: 40.6 ID:40.8 mph:7.5 Clk:6 to 12 After d/s w.: 0.5%(0.196) MCSD: 40.6 ID:40.8 mph:5.7 Clk:4 to 10 MPH coming into Bend (-10ft): 7.8 Leaving Bend (+10ft): 6.9 Min MPH over range: 5.1 at index 3449888	22346.24	1528+63		7.2	0.617		40.04	4.3	8.6	4.3	3.1
B132	Fld Bnd 7.63 deg. Left Turn MCSD: 40.30		22530.47	1526+79		9.2	0.617		40.30	19.8	42.7	22.9	41.4
B133	Bend 45.3 deg. 3.0 Ds Left Turn MCSD: 40.27	Before u/s w.: 0.4%(0.158) MCSD: 40.7 ID:40.8 mph:7.9 Clk:4 to 10 After d/s w.: 0.4%(0.173) MCSD: 40.6 ID:40.8 mph:9.6 Clk:2 to 8 MPH coming into Bend (-10ft): 8.6 Leaving Bend (+10ft): 8.4 Min MPH over range: 7.4 at index 3562438	23296.56	1519+13		8.9	0.617		40.27	4.6	9.3	4.6	7.0
B134	Fld Bnd 6.0 deg. Right Turn MCSD: 40.49		23445.44	1517+64		9.5	0.617		40.49	17.4	41.8	24.4	25.0
B135	Fld Bnd 8.59 deg. Right Turn MCSD: 40.33		23601.85	1516+08		5.9	0.617		40.33	22.6	42.4	19.7	42.4
B136	Bend 44.1 deg. 3.0 Ds Left Turn MCSD: 40.07	Before u/s w.: 0.4%(0.178) MCSD: 40.5 ID:40.8 mph:9.2 Clk:5 to 11 After d/s w.: 0.5%(0.195) MCSD: 40.5 ID:40.8 mph:9.3 Clk:3 to 9 MPH coming into Bend (-10ft): 7.7 Leaving Bend (+10ft): 9.3 Min MPH over range: 7.7 at index 3688644	24351.30	1508+58		9.6	0.617		40.07	4.6	9.1	4.6	7.1
B137	Bend 44.6 deg. 3.0 Ds Left Turn MCSD: 39.94	Before u/s w.: 0.4%(0.171) MCSD: 40.6 ID:40.8 mph:6.4 Clk:6 to 12 After d/s w.: 0.6%(0.271) MCSD: 40.4 ID:40.8 mph:8.1 Clk:1 to 7 MPH coming into Bend (-10ft): 7.5 Leaving Bend (+10ft): 7.7 Min MPH over range: 5.9 at index 3715622	24573.12	1506+36		8.5	0.617		39.94	4.6	9.2	4.6	3.0
B138	Fld Bnd 10.71 deg. Right Turn MCSD: 40.41		24993.21	1502+16		7.4	0.617		40.41	20.7	41.2	20.5	13.1
B139	Bend 34.4 deg. 3.0 Ds Right Turn MCSD: 39.78	Before u/s w.: 0.7%(0.287) MCSD: 40.5 ID:40.8 mph:6.5 Clk:1 to 7 After d/s w.: 0.9%(0.390) MCSD: 40.2 ID:40.8 mph:9.6 Clk:1 to 7 MPH coming into Bend (-10ft): 7.5 Leaving Bend (+10ft): 8.1 Min MPH over range: 5.8 at index 3784771	25146.42	1500+63		9.0	0.617		39.78	3.5	7.0	3.5	23.5
B140	Fld Bnd 8.02 deg. Right Turn MCSD: 40.44		25320.85	1498+89		6.9	0.617		40.44	23.2	41.1	17.9	41.4
B141	Fld Bnd 7.06 deg. Right Turn MCSD: 40.40		25360.89	1498+49		6.0	0.617		40.40	22.1	41.4	19.3	41.6
B142	Fld Bnd 8.59 deg. Left Turn MCSD: 40.28		25452.16	1497+57		5.8	0.617		40.28	20.4	40.3	19.9	41.7
B143	Bend 20.2 deg. 8.0 Ds Down & Left Turn MCSD: 39.63		25497.72	1497+12		3.2	0.617		39.63	25.7	41.7	16.0	33.9
B144	Fld Bnd 7.27 deg. Left Turn MCSD: 40.40		26250.03	1489+60		6.1	0.617		40.40	23.6	41.7	18.1	43.5
B145	Fld Bnd 9.73 deg. Left Turn MCSD: 40.35		26287.05	1489+23		4.8	0.617		40.35	18.9	43.5	24.6	41.7
B146	Fld Bnd 8.65 deg. Left Turn MCSD: 40.57		26654.98	1485+55		9.2	0.617		40.57	23.4	41.8	18.4	40.1
B147	Fld Bnd 7.53 deg. Down & Left Turn MCSD: 40.45		26696.32	1485+13		6.4	0.617		40.45	23.0	40.1	17.1	40.3
B148	Fld Bnd 8.88 deg. Right Turn MCSD: 40.29		27038.29	1481+71		7.9	0.617		40.29	20.4	40.4	19.9	14.9
B149	Bend 20.0 deg. 3.0 Ds Right & Down Turn MCSD: 39.87	Before u/s w.: 0.4%(0.167) MCSD: 40.6 ID:40.8 mph:3.0 Clk:4 to 10 After d/s w.: 0.1%(0.060) MCSD: 40.8 ID:40.8 mph:0.8 Clk:4 to 10 MPH coming into Bend (-10ft): 2.6 Leaving Bend (+10ft): 8.0 Min MPH over range: 0.0 at index 4046339	27319.17	1478+90		3.9	0.617		39.87	3.0	5.9	2.9	11.0
B150	Fld Bnd 7.66 deg. Right Turn MCSD: 40.41		27446.83	1477+63		6.4	0.617		40.41	21.1	41.2	20.2	40.9

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B151	Fld Bnd 7.77 deg. Up & Right Turn MCSD: 40.32		27487.77	1477+22		8.5	0.617		40.32	20.8	40.9	20.1	30.1
B152	Fld Bnd 8.33 deg. Left Turn MCSD: 40.46		27914.09	1472+95		6.8	0.617		40.46	18.4	41.8	23.5	41.1
B153	Fld Bnd 9.84 deg. Left Turn MCSD: 40.36		27960.01	1472+50		4.0	0.617		40.36	22.4	41.1	18.6	40.8
B154	Fld Bnd 10.42 deg. Down & Left Turn MCSD: 40.16		28605.56	1466+04		4.6	0.617		40.16	22.9	41.1	18.2	40.8
B155	Bend 12.0 deg. 12.0 Ds Left Turn MCSD: 40.33		28648.67	1465+61		3.6	0.617		40.33	24.9	40.8	16.0	30.2
B156	Fld Bnd 10.43 deg. Right Turn MCSD: 40.19		28839.62	1463+70		10.9	0.617		40.19	20.2	41.1	21.0	41.6
B157	Fld Bnd 7.54 deg. Right Turn MCSD: 40.14		28885.84	1463+24		10.8	0.617		40.14	25.3	41.6	16.4	18.8
B158	Bend 70.8 deg. 3.0 Ds Left Turn MCSD: 39.52	Before u/s w.: 0.3%(0.118) MCSD: 40.6 ID:40.8 mph:9.7 Clk:4 to 10 After d/s w.: 0.5%(0.214) MCSD: 40.5 ID:40.8 mph:7.7 Clk:3 to 9 MPH coming into Bend (-10ft): 9.9 Leaving Bend (+10ft): 8.0 Min MPH over range: 6.2 at index 4318589	29585.37	1456+24		6.9	0.617		39.52	7.1	14.3	7.1	3.4
B159	Fld Bnd 7.61 deg. Down & Left Turn MCSD: 40.54		29726.11	1454+83		7.9	0.617		40.54	24.1	41.7	17.5	42.5
B160	Fld Bnd 6.31 deg. Left Turn MCSD: 40.33		29766.61	1454+43		10.2	0.617		40.33	23.0	42.5	19.5	10.0
B161	Bend 27.7 deg. 3.0 Ds Right Turn MCSD: 40.25	Before u/s w.: 0.2%(0.091) MCSD: 40.6 ID:40.8 mph:9.7 Clk:5 to 11 After d/s w.: 0.2%(0.104) MCSD: 40.7 ID:40.8 mph:1.2 Clk:4 to 10 MPH coming into Bend (-10ft): 8.9 Leaving Bend (+10ft): 5.5 Min MPH over range: 0.1 at index 4385648	30146.40	1450+63		6.7	0.617		40.25	2.9	5.8	2.9	9.9
B162	Bend 28.4 deg. 3.0 Ds Right Turn MCSD: 40.17	Before u/s w.: 0.4%(0.185) MCSD: 40.5 ID:40.8 mph:11.1 Clk:3 to 9 After d/s w.: 0.3%(0.130) MCSD: 40.6 ID:40.8 mph:11.0 Clk:3 to 9 MPH coming into Bend (-10ft): 10.2 Leaving Bend (+10ft): 11.8 Min MPH over range: 8.0 at index 4400574	30277.22	1449+32		10.4	0.617		40.17	3.0	5.8	2.8	9.9
B163	Fld Bnd 6.32 deg. Right Turn MCSD: 40.12		30859.68	1443+50		2.6	0.617		40.12	20.4	42.9	22.5	41.7
B164	Bend 57.8 deg. 3.0 Ds Left Turn MCSD: 39.81	Before u/s w.: 0.3%(0.135) MCSD: 40.7 ID:40.8 mph:8.6 Clk:6 to 12 After d/s w.: 0.3%(0.142) MCSD: 40.6 ID:40.8 mph:10.8 Clk:6 to 12 MPH coming into Bend (-10ft): 9.4 Leaving Bend (+10ft): 10.3 Min MPH over range: 7.6 at index 4478686	30933.35	1442+76		10.6	0.617		39.81	6.0	12.0	6.0	3.1
B165	Fld Bnd 10.88 deg. Right Turn MCSD: 40.23		31308.81	1439+01		10.1	0.617		40.23	19.7	39.8	20.1	39.7
B166	Fld Bnd 5.12 deg. Right Turn MCSD: 40.44		31395.08	1438+14		6.8	0.617		40.44	26.4	41.5	15.1	39.5
B167	Fld Bnd 10.53 deg. Right Turn MCSD: 40.51		31509.59	1437+00		12.0	0.617		40.51	20.3	41.2	21.0	39.6
B168	Fld Bnd 10.84 deg. Left Turn MCSD: 40.42		32139.90	1430+70		10.2	0.617		40.42	19.3	38.5	19.1	5.4
B169	Bend 29.3 deg. 3.0 Ds Left Turn MCSD: 40.14	Before u/s w.: 0.4%(0.176) MCSD: 40.5 ID:40.8 mph:10.2 Clk:1 to 7 After d/s w.: 0.5%(0.192) MCSD: 40.6 ID:40.8 mph:9.6 Clk:2 to 8 MPH coming into Bend (-10ft): 9.6 Leaving Bend (+10ft): 12.1 Min MPH over range: 9.4 at index 4626536	32167.48	1430+42		11.8	0.617		40.14	3.0	6.0	3.0	3.0
B170	Fld Bnd 7.28 deg. Left Turn MCSD: 40.40		32422.64	1427+87		8.9	0.617		40.40	17.5	40.0	22.5	39.8
B171	Fld Bnd 6.36 deg. Left Turn MCSD: 40.44		32463.33	1427+46		7.6	0.617		40.44	16.2	39.8	21.6	29.8
B172	Fld Bnd 6.18 deg. Up & Right Turn MCSD: 40.38		32929.71	1422+80		10.5	0.617		40.38	23.4	39.7	16.3	37.4
B173	Fld Bnd 7.02 deg. Left Turn MCSD: 40.42		33162.18	1420+47		12.6	0.617		40.42	24.4	40.1	15.8	40.1

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCS D	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B174	Fld Bnd 10.63 deg. Left Turn MCS D: 40.32		33198.88	1420+11		12.5	0.617		40.32	20.9	40.1	19.2	40.1
B175	Fld Bnd 10.57 deg. Left Turn MCS D: 40.31		33238.77	1419+71		9.4	0.617		40.31	20.7	40.1	19.4	40.0
B176	Fld Bnd 7.85 deg. Right Turn MCS D: 40.37		33327.33	1418+82		10.0	0.617		40.37	23.2	39.6	16.3	19.7
B177	Fld Bnd 6.82 deg. Right & Down Turn MCS D: 40.47		33814.38	1413+95		13.1	0.617		40.47	12.6	32.0	19.3	39.8
B178	Fld Bnd 7.59 deg. Right & Down Turn MCS D: 40.28		33893.43	1413+16		12.9	0.617		40.28	19.9	39.7	19.8	6.1
B179	Bend 34.3 deg. 3.0 Ds Up & Right Turn MCS D: 40.11	Before u/s w.: 0.5%(0.204) MCS D: 40.5 ID:40.8 mph:13.1 Ck:1 to 7 After d/s w.: 0.8%(0.333) MCS D: 40.5 ID:40.8 mph:12.1 Ck:1 to 7 MPH coming into Bend (-10ft): 13.1 Leaving Bend (+10ft): 12.4 Min MPH over range: 11.3 at index 4839103	33922.91	1412+87		12.1	0.617		40.11	3.5	7.1	3.5	6.0
B180	Fld Bnd 9.94 deg. Right Turn MCS D: 40.22		34086.70	1411+23		8.8	0.617		40.22	19.1	39.5	20.4	21.3
B181	Bend 43.3 deg. 3.0 Ds Up & Right Turn MCS D: 40.06	Before u/s w.: 0.8%(0.341) MCS D: 40.4 ID:40.8 mph:11.4 Ck:3 to 9 After d/s w.: 0.3%(0.146) MCS D: 40.6 ID:40.8 mph:10.7 Ck:3 to 9 MPH coming into Bend (-10ft): 10.4 Leaving Bend (+10ft): 11.8 Min MPH over range: 8.1 at index 4890446	34360.66	1408+49		11.0	0.617		40.06	4.1	8.5	4.3	3.0
B182	Fld Bnd 8.91 deg. Left Turn MCS D: 39.92		34608.06	1406+02		7.3	0.617		39.92	20.5	39.9	19.4	40.2
B183	Fld Bnd 8.69 deg. Left Turn MCS D: 39.91		34647.01	1405+63		4.9	0.617		39.91	19.5	40.2	20.6	39.9
B184	Fld Bnd 7.66 deg. Left Turn MCS D: 40.01		34690.06	1405+20		7.2	0.617		40.01	22.4	39.9	17.5	40.1
B185	Fld Bnd 7.8 deg. Left Turn MCS D: 40.10		34734.53	1404+75		6.4	0.617		40.10	27.0	40.1	13.2	40.1
B186	Fld Bnd 9.04 deg. Left Turn MCS D: 40.20		34771.57	1404+38		3.9	0.617		40.20	23.9	40.1	16.2	36.7
B187	Bend 57.0 deg. 3.0 Ds Left Turn MCS D: 39.88	Before u/s w.: 0.8%(0.337) MCS D: 40.6 ID:40.8 mph:3.1 Ck:3 to 9 After d/s w.: 0.7%(0.288) MCS D: 40.3 ID:40.8 mph:10.2 Ck:3 to 9 MPH coming into Bend (-10ft): 2.7 Leaving Bend (+10ft): 9.5 Min MPH over range: 0.2 at index 4964552	34983.11	1402+26		8.8	0.617		39.88	6.0	12.0	6.0	3.2
B188	Fld Bnd 9.9 deg. Left Turn MCS D: 40.17		35098.77	1401+11		6.8	0.617		40.17	26.7	39.5	12.8	39.9
B189	Fld Bnd 6.7 deg. Right Turn MCS D: 39.92		35306.74	1399+03		7.6	0.617		39.92	25.1	39.6	14.5	38.7
B190	Fld Bnd 6.12 deg. Right Turn MCS D: 40.38		35344.54	1398+65		9.9	0.617		40.38	23.3	38.7	15.3	39.8
B191	Fld Bnd 5.9 deg. Down & Left Turn MCS D: 39.97		35656.11	1395+53		11.1	0.617		39.97	24.4	40.1	15.7	40.2
B192	Fld Bnd 11.55 deg. Down & Left Turn MCS D: 39.91		35694.07	1395+16		3.8	0.617		39.91	22.3	40.2	17.9	40.1
B193	Fld Bnd 7.67 deg. Down & Left Turn MCS D: 39.97		35732.85	1394+77		11.0	0.617		39.97	20.9	40.1	19.2	39.8
B194	Fld Bnd 6.41 deg. Right Turn MCS D: 40.15		36039.86	1391+70		10.0	0.617		40.15	16.9	39.7	22.8	40.0
B195	Bend 43.4 deg. 3.0 Ds Left Turn MCS D: 39.81	Before u/s w.: 1.1%(0.456) MCS D: 40.3 ID:40.8 mph:9.7 Ck:5 to 11 After d/s w.: 1.1%(0.476) MCS D: 40.2 ID:40.8 mph:9.7 Ck:4 to 10 MPH coming into Bend (-10ft): 10.5 Leaving Bend (+10ft): 7.6 Min MPH over range: 7.6 at index 5174482	36713.62	1384+96		10.1	0.617		39.81	4.6	9.2	4.6	8.0
B196	Fld Bnd 7.22 deg. Left Turn MCS D: 40.36		36909.41	1383+00		7.1	0.617		40.36	23.8	40.6	16.8	41.5
B197	Fld Bnd 7.65 deg. Left Turn MCS D: 40.11		36950.22	1382+59		1.0	0.617		40.11	24.0	41.5	17.5	17.9
B198	Fld Bnd 12.75 deg. Left Turn MCS D: 39.93		37049.93	1381+60		2.7	0.617		39.93	23.3	42.2	18.9	41.4
B199	Fld Bnd 11.85 deg. Left Turn MCS D: 39.93		37091.25	1381+18		3.6	0.617		39.93	22.4	41.4	19.1	31.6

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B200	Fld Bnd 6.83 deg. Right & Down Turn MCSD: 40.15		37184.33	1380+25		5.8	0.617		40.15	19.4	41.1	21.7	42.5
B201	Fld Bnd 6.84 deg. Down & Left Turn MCSD: 40.12		37348.89	1378+61		7.0	0.617		40.12	17.6	40.9	23.3	41.0
B202	Fld Bnd 6.0 deg. Left Turn MCSD: 40.16		37388.06	1378+22		3.1	0.617		40.16	15.8	41.0	25.2	41.1
B203	Fld Bnd 6.84 deg. Down & Left Turn MCSD: 40.08		37475.71	1377+34		2.4	0.617		40.08	21.3	34.1	12.8	6.4
B204	Fld Bnd 9.87 deg. Down & Left Turn MCSD: 40.46		37516.34	1376+93		5.0	0.617		40.46	21.4	40.6	19.2	41.7
B205	Fld Bnd 7.72 deg. Left Turn MCSD: 40.33		37555.34	1376+54		5.9	0.617		40.33	19.8	41.7	21.9	3.7
B206	Bend 21.8 deg. 3.0 Ds Left Turn MCSD: 39.56	Before u/s w.: 1.5%(0.642) MCSD: 40.0 ID:40.8 mph:8.4 Clk:6 to 12 After d/s w.: 1.0%(0.408) MCSD: 40.3 ID:40.8 mph:6.1 Clk:1 to 7 MPH coming into Bend (-10ft): 7.2 Leaving Bend (+10ft): 5.5 Min MPH over range: 5.3 at index 5278661	37583.07	1376+27		8.7	0.617		39.56	2.2	4.3	2.2	3.1
B207	Bend 33.2 deg. 3.0 Ds Up Turn MCSD: 39.54	Before u/s w.: 0.6%(0.250) MCSD: 40.0 ID:40.2 mph:2.5 Clk:3 to 9 After d/s w.: 0.9%(0.375) MCSD: 39.8 ID:40.2 mph:7.9 Clk:3 to 9 MPH coming into Bend (-10ft): 5.9 Leaving Bend (+10ft): 4.8 Min MPH over range: 0.4 at index 5350484	38196.67	1370+13		6.9	0.740		39.54	3.0	6.0	3.0	6.7
B208	Bend 17.6 deg. 3.0 Ds Up Turn MCSD: 39.89	Before u/s w.: 0.4%(0.187) MCSD: 40.0 ID:40.2 mph:6.2 Clk:3 to 9 After d/s w.: 0.5%(0.222) MCSD: 39.9 ID:40.2 mph:7.5 Clk:3 to 9 MPH coming into Bend (-10ft): 5.6 Leaving Bend (+10ft): 2.2 Min MPH over range: 0.5 at index 5359049	38255.34	1369+54		6.9	0.740		39.89	1.6	3.1	1.5	11.9
B209	Bend 16.3 deg. 3.0 Ds Down Turn MCSD: 39.64	Before u/s w.: 0.6%(0.243) MCSD: 39.9 ID:40.2 mph:4.3 Clk:3 to 9 After d/s w.: 0.8%(0.341) MCSD: 39.9 ID:40.2 mph:13.3 Clk:3 to 9 MPH coming into Bend (-10ft): 4.5 Leaving Bend (+10ft): 10.3 Min MPH over range: 3.3 at index 5360986	38282.46	1369+27		9.8	0.740		39.64	1.6	3.3	1.6	12.4
B210	Bend 51.4 deg. 3.0 Ds Up & Right Turn MCSD: 39.17	Before u/s w.: 0.3%(0.108) MCSD: 40.1 ID:40.2 mph:5.5 Clk:2 to 8 After d/s w.: 0.6%(0.261) MCSD: 39.9 ID:40.2 mph:10.8 Clk:1 to 7 MPH coming into Bend (-10ft): 5.3 Leaving Bend (+10ft): 7.3 Min MPH over range: 5.2 at index 5372217	38380.37	1368+29		9.8	0.888		39.17	5.1	10.3	5.1	4.1
B211	Bend 21.1 deg. 3.0 Ds Up & Right Turn MCSD: 39.80	Before u/s w.: 0.4%(0.155) MCSD: 40.1 ID:40.2 mph:3.2 Clk:6 to 12 After d/s w.: 0.2%(0.101) MCSD: 40.1 ID:40.2 mph:7.4 Clk:3 to 9 MPH coming into Bend (-10ft): 5.5 Leaving Bend (+10ft): 7.1 Min MPH over range: 0.6 at index 5403132	38622.69	1365+87		7.0	0.888		39.80	2.3	4.5	2.3	24.5
B212	Bend 28.7 deg. 3.0 Ds Up & Right Turn MCSD: 39.88	Before u/s w.: 0.7%(0.281) MCSD: 40.5 ID:40.8 mph:7.5 Clk:3 to 9 After d/s w.: 0.5%(0.229) MCSD: 40.5 ID:40.8 mph:3.3 Clk:3 to 9 MPH coming into Bend (-10ft): 6.4 Leaving Bend (+10ft): 9.7 Min MPH over range: 0.6 at index 5426180	38824.89	1363+85		7.4	0.617		39.88	2.8	5.5	2.8	8.1
B213	Bend 29.7 deg. 3.0 Ds Right & Down Turn MCSD: 40.15	Before u/s w.: 0.8%(0.318) MCSD: 40.5 ID:40.8 mph:8.4 Clk:3 to 9 After d/s w.: 0.7%(0.278) MCSD: 40.5 ID:40.8 mph:6.8 Clk:2 to 8 MPH coming into Bend (-10ft): 6.6 Leaving Bend (+10ft): 6.2 Min MPH over range: 0.5 at index 5428298	38847.16	1363+62		2.7	0.617		40.15	2.9	5.9	2.9	4.1

		Field Report - Bend Index											
		CUSTOMER/CONTRACTOR						EQT / MVP - Precision Pipeline					
		CUSTOMER LINE ID						Spread B, Section 1					
		JOB NUMBER						B20-749F					
		LAUNCH STATION						Spread B, Section 1 Launcher					
								Salem, WV					
		RECEIVE STATION						Spread B, Section 1 Receiver					
								Camden, WV					
		PIPELINE LENGTH						13.24 mi					
Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B1	Bend 19.1 deg. 3.0 Ds Down Turn MCSD: 40.24	Before u/s w.: 0.4%(0.182) MCSD: 40.4 ID:40.5 mph:0.9 Clk:6 to 12 After d/s w.: 0.2%(0.086) MCSD: 40.4 ID:40.5 mph:0.6 Clk:2 to 8 MPH coming into Bend (-10ft): 1.8 Leaving Bend (+10ft): 2.6 Min MPH over range: 0.4 at index 661633	6.78	0+07		2.5	0.740		40.24	2.2	4.4	2.2	11.1
B2	Bend 89.3 deg. 3.0 Ds Up & Right Turn MCSD: 40.06	Before u/s w.: 0.6%(0.269) MCSD: 40.3 ID:40.5 mph:2.6 Clk:1 to 7 After d/s w.: 0.5%(0.198) MCSD: 40.3 ID:40.5 mph:3.4 Clk:6 to 12 MPH coming into Bend (-10ft): 1.6 Leaving Bend (+10ft): 3.5 Min MPH over range: 0.4 at index 663324	34.48	0+34		2.5	0.740		40.06	9.4	18.7	9.4	2.9
B3	Bend 15.2 deg. 3.0 Ds Up Turn MCSD: 39.71	Before u/s w.: 0.5%(0.223) MCSD: 40.1 ID:40.2 mph:1.3 Clk:2 to 8 After d/s w.: 0.9%(0.392) MCSD: 39.9 ID:40.2 mph:2.7 Clk:2 to 8 MPH coming into Bend (-10ft): 3.1 Leaving Bend (+10ft): 4.2 Min MPH over range: 0.8 at index 679750	164.94	1+65		1.1	0.888		39.71	1.6	3.2	1.6	3.7
B4	Fld Bnd 5.66 deg. Up & Right Turn MCSD: 39.94		215.73	2+16		3.6	0.740		39.94	19.4	40.5	21.1	40.0
B5	Fld Bnd 7.08 deg. Up & Right Turn MCSD: 40.03		254.47	2+54		3.2	0.740		40.03	17.6	40.0	22.4	37.8
B6	Fld Bnd 9.13 deg. Up & Right Turn MCSD: 39.88		292.77	2+93		2.4	0.740		39.88	15.9	37.8	22.0	40.4
B7	Fld Bnd 6.01 deg. Up & Right Turn MCSD: 40.04		696.22	6+96		3.2	0.740		40.04	21.4	40.4	18.9	40.2
B8	Bend 20.3 deg. 3.0 Ds Right Turn MCSD: 39.97	Before u/s w.: 1.4%(0.569) MCSD: 40.2 ID:40.8 mph:8.3 Clk:6 to 12 After d/s w.: 0.9%(0.393) MCSD: 40.4 ID:40.8 mph:7.3 Clk:5 to 11 MPH coming into Bend (-10ft): 6.6 Leaving Bend (+10ft): 6.6 Min MPH over range: 5.5 at index 762762	844.97	8+45		7.3	0.617		39.97	2.2	4.5	2.2	3.1
B9	Fld Bnd 9.07 deg. Left Turn MCSD: 39.91		1219.94	12+20		11.4	0.617		39.91	22.5	39.1	16.6	40.2
B10	Fld Bnd 7.87 deg. Left Turn MCSD: 40.32		1260.67	12+61		14.2	0.617		40.32	24.1	40.2	16.1	38.7

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B11	Fld Bnd 7.68 deg. Left Turn MCSD: 40.36		1298.90	12+99		15.3	0.617		40.36	22.1	38.7	16.6	8.0
B12	Fld Bnd 9.97 deg. Left Turn MCSD: 40.46		1344.05	13+44		12.7	0.617		40.46	20.6	40.2	19.6	40.1
B13	Fld Bnd 6.27 deg. Left Turn MCSD: 40.51		1383.26	13+83		9.2	0.617		40.51	19.6	40.1	20.6	39.9
B14	Fld Bnd 5.41 deg. Left Turn MCSD: 40.36		1520.08	15+20		7.2	0.617		40.36	16.7	40.1	23.4	40.1
B15	Bend 47.03 deg. 3.0 Ds Right Turn MCSD: 39.53	Before u/s w.: 0.5%(0.193) MCSD: 40.6 ID:40.8 mph:15.3 Clk:5 to 11 After d/s w. : 1.2%(0.485) MCSD: 40.2 ID:40.8 mph:18.7 Clk:2 to 8 MPH coming into Bend (-10ft): 15.5 Leaving Bend (+10ft): 16.9 Min MPH over range: 13.4 at index 897678	1981.22	19+81		19.3	0.617		39.53	4.5	9.1	4.5	3.0
B16	Fld Bnd 9.92 deg. Right & Down Turn MCSD: 40.26		2010.85	20+11		21.6	0.617		40.26	22.1	39.8	17.8	33.9
B17	Bend 28.7 deg. 3.0 Ds Right Turn MCSD: 40.22	Before u/s w.: 0.2%(0.080) MCSD: 40.7 ID:40.8 mph:9.0 Clk:1 to 7 After d/s w. : 0.3%(0.108) MCSD: 40.6 ID:40.8 mph:9.5 Clk:1 to 7 MPH coming into Bend (-10ft): 8.3 Leaving Bend (+10ft): 10.7 Min MPH over range: 7.3 at index 991391	2763.53	27+64		10.3	0.617		40.22	2.9	5.8	2.9	3.1
B18	Fld Bnd 11.45 deg. Right Turn MCSD: 39.80		2865.60	28+66		18.0	0.617		39.80	20.2	39.7	19.6	36.5
B19	Bend 33.4 deg. 3.0 Ds Up & Right Turn MCSD: 39.91	Before u/s w.: 0.7%(0.297) MCSD: 40.5 ID:40.8 mph:12.6 Clk:5 to 11 After d/s w. : 0.7%(0.313) MCSD: 40.4 ID:40.8 mph:11.3 Clk:4 to 10 MPH coming into Bend (-10ft): 13.4 Leaving Bend (+10ft): 10.5 Min MPH over range: 9.0 at index 1018584	2987.86	29+88		14.2	0.740		39.91	3.1	6.3	3.1	13.1
B20	Fld Bnd 7.48 deg. Left Turn MCSD: 40.40		3124.21	31+24		3.5	0.617		40.40	22.2	40.5	18.2	3.5
B21	Bend 45.1 deg. 3.0 Ds Left Turn MCSD: 40.38	Before u/s w.: 0.6%(0.247) MCSD: 40.7 ID:40.8 mph:5.6 Clk:1 to 7 After d/s w. : 0.8%(0.316) MCSD: 40.4 ID:40.8 mph:9.6 Clk:2 to 8 MPH coming into Bend (-10ft): 3.4 Leaving Bend (+10ft): 9.4 Min MPH over range: 3.4 at index 1037168	3150.42	31+50		8.7	0.617		40.38	4.5	9.1	4.5	3.2
B22	Fld Bnd 7.92 deg. Right Turn MCSD: 40.42		3907.55	39+08		2.8	0.617		40.42	20.9	39.7	18.9	39.7
B23	Bend 58.6 deg. 3.0 Ds Left Turn MCSD: 39.82	Before u/s w.: 0.4%(0.158) MCSD: 40.7 ID:40.8 mph:13.6 Clk:2 to 8 After d/s w. : 1.0%(0.424) MCSD: 40.3 ID:40.8 mph:14.9 Clk:5 to 11 MPH coming into Bend (-10ft): 13.0 Leaving Bend (+10ft): 14.8 Min MPH over range: 12.2 at index 1170402	4258.73	42+59		14.6	0.617		39.82	6.0	11.9	5.9	3.1
B24	Fld Bnd 9.98 deg. Left Turn MCSD: 40.54		4627.51	46+28		2.9	0.617		40.54	21.6	41.4	19.8	39.9
B25	Fld Bnd 5.38 deg. Down & Left Turn MCSD: 40.33		4907.88	49+08		14.2	0.617		40.33	18.6	41.6	23.0	3.3

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B26	Bend 28.8 deg. 3.0 Ds Left Turn MCSD: 39.77	Before u/s w.: 1.4%(0.579) MCSD: 40.3 ID:40.8 mph:1.9 Clk:6 to 12 After d/s w. : 0.5%(0.226) MCSD: 40.6 ID:40.8 mph:8.2 Clk:1 to 7 MPH coming into Bend (-10ft): 6.6 Leaving Bend (+10ft): 11.2 Min MPH over range: 1.1 at index 1252158	4937.18	49+37		6.6	0.617		39.77	3.0	6.0	3.0	3.1
B27	Fld Bnd 8.44 deg. Left Turn MCSD: 40.50		5281.01	52+81		2.8	0.617		40.50	14.1	40.1	26.0	36.1
B28	Fld Bnd 6.62 deg. Left Turn MCSD: 40.15		5445.52	54+46		7.2	0.740		40.15	21.6	40.7	19.1	40.7
B29	Fld Bnd 6.81 deg. Left Turn MCSD: 40.14		5484.83	54+85		8.1	0.740		40.14	20.2	40.7	20.5	40.6
B30	Fld Bnd 5.16 deg. Left Turn MCSD: 40.26		5753.98	57+54		12.0	0.740		40.26	16.3	40.8	24.4	27.6
B31	Bend 27.2 deg. 3.0 Ds Up Turn MCSD: 39.88	Before u/s w.: 0.9%(0.396) MCSD: 40.2 ID:40.5 mph:0.7 Clk:3 to 9 After d/s w. : 0.9%(0.365) MCSD: 40.2 ID:40.5 mph:0.1 Clk:3 to 9 MPH coming into Bend (-10ft): 4.8 Leaving Bend (+10ft): 1.2 Min MPH over range: 0.1 at index 1375352	5954.32	59+54		0.9	0.740		39.88	2.5	4.9	2.4	3.1
B32	Bend 40.4 deg. 3.0 Ds Up & Right Turn MCSD: 39.54	Before u/s w.: 1.4%(0.604) MCSD: 40.0 ID:40.5 mph:0.3 Clk:4 to 10 After d/s w. : 1.4%(0.606) MCSD: 40.0 ID:40.5 mph:0.5 Clk:4 to 10 MPH coming into Bend (-10ft): 0.5 Leaving Bend (+10ft): 1.2 Min MPH over range: 0.0 at index 1408765	6244.75	62+45		0.9	0.740		39.54	4.0	7.9	4.0	25.0
B33	Bend 10.2 deg. 3.0 Ds Up Turn MCSD: 39.13	Before u/s w.: 0.5%(0.195) MCSD: 40.1 ID:40.5 mph:30.8 Clk:5 to 11 After d/s w. : 2.0%(0.831) MCSD: 39.7 ID:40.5 mph:30.9 Clk:1 to 7 MPH coming into Bend (-10ft): 28.8 Leaving Bend (+10ft): 32.3 Min MPH over range: 26.9 at index 1438977	6494.45	64+94		32.5	0.740		39.13	1.4	2.7	1.4	30.7
B34	Bend 23.4 deg. 3.0 Ds Up Turn MCSD: 37.27	Before u/s w.: 1.3%(0.564) MCSD: 39.9 ID:40.5 mph:33.3 Clk:6 to 12 After d/s w. : 1.0%(0.441) MCSD: 39.9 ID:40.5 mph:39.0 Clk:5 to 11 MPH coming into Bend (-10ft): 33.8 Leaving Bend (+10ft): 38.2 Min MPH over range: 21.9 at index 1445104	6540.14	65+40		35.0	0.740		37.27	2.3	4.5	2.3	13.3
B35	Bend 18.4 deg. 3.0 Ds Up Turn MCSD: 37.72	Before u/s w.: 0.6%(0.240) MCSD: 40.3 ID:40.5 mph:36.0 Clk:1 to 7 After d/s w. : 0.9%(0.370) MCSD: 40.1 ID:40.5 mph:36.9 Clk:5 to 11 MPH coming into Bend (-10ft): 37.6 Leaving Bend (+10ft): 36.1 Min MPH over range: 31.7 at index 1457115	6643.99	66+44		37.4	0.740		37.72	2.6	5.3	2.6	21.8

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B36	Bend 47.1 deg. 3.0 Ds Right Turn MCSD: 36.90	Before u/s w.: 0.7%(0.287) MCSD: 40.0 ID:40.2 mph:36.9 Clk:6 to 12 After d/s w. : 1.0%(0.408) MCSD: 39.7 ID:40.2 mph:41.8 Clk:4 to 10 MPH coming into Bend (-10ft): 37.0 Leaving Bend (+10ft): 38.1 Min MPH over range: 30.0 at index 1462263	6684.34	66+84		39.1	0.888		36.90	4.1	8.2	4.1	4.8
B37	Bend 39.2 deg. 3.0 Ds Up Turn MCSD: 32.97	Before u/s w.: 3.0%(1.278) MCSD: 38.5 ID:40.5 mph:37.2 Clk:1 to 7 After d/s w. : 3.7%(1.546) MCSD: 38.8 ID:40.5 mph:41.1 Clk:5 to 11 MPH coming into Bend (-10ft): 42.0 Leaving Bend (+10ft): 43.1 Min MPH over range: 35.2 at index 1472369	6773.97	67+74		45.9	0.740		32.97	2.7	5.4	2.7	15.6
B38	Bend 15.0 deg. 3.0 Ds Up Turn MCSD: 36.34	Before u/s w.: 2.3%(0.966) MCSD: 38.9 ID:40.5 mph:40.7 Clk:1 to 7 After d/s w. : 2.3%(0.956) MCSD: 39.5 ID:40.5 mph:39.0 Clk:6 to 12 MPH coming into Bend (-10ft): 46.1 Leaving Bend (+10ft): 44.5 Min MPH over range: 30.7 at index 1479462	6827.14	68+27		31.9	0.740		36.34	3.3	6.6	3.3	38.4
B39	Fld Bnd 14.69 deg. Left Turn MCSD: 39.28		6891.22	68+91		49.3	0.740		39.28	22.3	38.7	16.3	35.4
B40	Bend 51.3 deg. 3.0 Ds Up Turn MCSD: 33.79	Before u/s w.: 1.0%(0.418) MCSD: 40.0 ID:40.5 mph:44.4 Clk:2 to 8 After d/s w. : 1.6%(0.668) MCSD: 39.4 ID:40.5 mph:46.3 Clk:5 to 11 MPH coming into Bend (-10ft): 45.7 Leaving Bend (+10ft): 43.3 Min MPH over range: 40.6 at index 1502350	7023.35	70+23		46.3	0.740		33.79	3.4	6.8	3.4	7.0
B41	Fld Bnd 9.2 deg. Left Turn MCSD: 39.88		7087.12	70+87		47.2	0.740		39.88	19.9	37.0	17.1	3.0
B42	Bend 53.8 deg. 3.0 Ds Left & Up Turn MCSD: 35.41	Before u/s w.: 0.6%(0.238) MCSD: 40.0 ID:40.5 mph:47.0 Clk:1 to 7 After d/s w. : 1.5%(0.627) MCSD: 39.6 ID:40.5 mph:47.4 Clk:1 to 7 MPH coming into Bend (-10ft): 46.7 Leaving Bend (+10ft): 45.2 Min MPH over range: 42.7 at index 1513460	7110.56	71+11		49.3	0.740		35.41	3.4	6.7	3.4	12.8
B43	Bend 16.64 deg. 12.0 Ds Up & Right Turn MCSD: 39.70		7149.73	71+50		47.2	0.740		39.70	17.8	30.8	13.0	3.0
B44	Bend 6.0 deg. 3.0 Ds Up Turn MCSD: 34.92	Before u/s w.: 0.6%(0.235) MCSD: 40.2 ID:40.5 mph:40.5 Clk:3 to 9 After d/s w. : 2.1%(0.895) MCSD: 38.9 ID:40.5 mph:45.0 Clk:1 to 7 MPH coming into Bend (-10ft): 45.9 Leaving Bend (+10ft): 39.6 Min MPH over range: 35.7 at index 1520034	7168.53	71+69		46.9	0.740		34.92	2.7	5.5	2.7	4.7

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B45	Bend 16.0 deg. 3.0 Ds Up Turn MCSD: 38.22	Before u/s w.: 0.7%(0.292) MCSD: 40.2 ID:40.5 mph:37.2 Clk:0 to 6 After d/s w. : 0.9%(0.372) MCSD: 40.0 ID:40.5 mph:35.7 Clk:0 to 6 MPH coming into Bend (-10ft): 36.1 Leaving Bend (+10ft): 33.7 Min MPH over range: 29.4 at index 1528872	7237.64	72+38		31.2	0.740		38.22	2.8	5.5	2.8	6.9
B46	Bend 17.7 deg. 3.0 Ds Up Turn MCSD: 38.71	Before u/s w.: 1.0%(0.413) MCSD: 40.1 ID:40.5 mph:30.3 Clk:0 to 6 After d/s w. : 1.1%(0.480) MCSD: 40.0 ID:40.5 mph:29.0 Clk:1 to 7 MPH coming into Bend (-10ft): 31.3 Leaving Bend (+10ft): 25.2 Min MPH over range: 23.5 at index 1532696	7270.57	72+71		23.8	0.740		38.71	2.4	4.8	2.4	8.0
B47	Fld Bnd 6.14 deg. Up & Right Turn MCSD: 40.19		7755.71	77+56		24.5	0.740		40.19	18.8	40.3	21.5	40.7
B48	Fld Bnd 7.19 deg. Right Turn MCSD: 40.01		7795.78	77+96		27.5	0.740		40.01	18.5	40.7	22.2	38.5
B49	Fld Bnd 7.9 deg. Right Turn MCSD: 39.90		7837.13	78+37		30.9	0.740		39.90	19.2	38.5	19.3	30.7
B50	Fld Bnd 8.11 deg. Left Turn MCSD: 39.89		7937.67	79+38		38.8	0.740		39.89	19.7	40.8	21.1	39.4
B51	Fld Bnd 7.96 deg. Left & Up Turn MCSD: 40.12		7975.71	79+76		41.5	0.740		40.12	16.9	39.4	22.4	26.6
B52	Fld Bnd 14.11 deg. Left & Up Turn MCSD: 40.08		8046.78	80+47		47.1	0.740		40.08	22.1	39.2	17.1	9.5
B53	Bend 18.9 deg. 3.0 Ds Up Turn MCSD: 39.23	Before u/s w.: 0.6%(0.262) MCSD: 39.9 ID:40.5 mph:45.5 Clk:3 to 9 After d/s w. : 0.4%(0.160) MCSD: 40.2 ID:40.5 mph:49.5 Clk:2 to 8 MPH coming into Bend (-10ft): 44.8 Leaving Bend (+10ft): 42.3 Min MPH over range: 42.3 at index 1636234	8124.82	81+25		48.7	0.740		39.23	2.4	4.8	2.4	6.8
B54	Bend 15.8 deg. 3.0 Ds Up Turn MCSD: 38.07	Before u/s w.: 1.5%(0.618) MCSD: 39.7 ID:40.5 mph:45.9 Clk:6 to 12 After d/s w. : 4.5%(1.895) MCSD: 38.1 ID:40.5 mph:42.2 Clk:6 to 12 MPH coming into Bend (-10ft): 45.1 Leaving Bend (+10ft): 48.8 Min MPH over range: 36.0 at index 1639484	8157.97	81+58		41.8	0.740		38.07	1.4	2.8	1.4	9.3
B55	Fld Bnd 5.01 deg. Right & Down Turn MCSD: 39.47		8322.02	83+22		39.2	0.740		39.47	20.2	40.4	20.2	40.9
B56	Fld Bnd 9.15 deg. Down & Left Turn MCSD: 39.79		8437.26	84+37		38.8	0.740		39.79	20.3	40.9	20.6	40.4
B57	Fld Bnd 6.27 deg. Right & Down Turn MCSD: 40.21		8609.71	86+10		32.6	0.617		40.21	20.1	39.8	19.7	30.9
B58	Bend 30.8 deg. 3.0 Ds Up & Right Turn MCSD: 38.50	Before u/s w.: 1.4%(0.591) MCSD: 40.0 ID:40.8 mph:31.1 Clk:6 to 12 After d/s w. : 1.2%(0.503) MCSD: 40.0 ID:40.8 mph:35.9 Clk:3 to 9 MPH coming into Bend (-10ft): 30.6 Leaving Bend (+10ft): 34.3 Min MPH over range: 27.6 at index 1709989	8748.57	87+49		30.5	0.617		38.50	2.8	5.6	2.8	2.9

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B59	Bend 37.3 deg. 3.0 Ds Left & Up Turn MCSD: 38.83	Before u/s w.: 0.4%(0.178) MCSD: 40.3 ID:40.5 mph:32.9 Clk:0 to 6 After d/s w. : 1.3%(0.549) MCSD: 39.9 ID:40.5 mph:30.9 Clk:2 to 8 MPH coming into Bend (-10ft): 32.9 Leaving Bend (+10ft): 30.2 Min MPH over range: 25.5 at index 1717064	8809.78	88+10		32.3	0.740		38.83	3.6	7.2	3.6	3.1
B60	Bend 14.5 deg. 3.0 Ds Up Turn MCSD: 39.88	Before u/s w.: 0.3%(0.111) MCSD: 40.4 ID:40.8 mph:16.5 Clk:4 to 10 After d/s w. : 0.8%(0.320) MCSD: 40.4 ID:40.8 mph:17.2 Clk:5 to 11 MPH coming into Bend (-10ft): 21.0 Leaving Bend (+10ft): 17.3 Min MPH over range: 15.6 at index 1730124	8915.54	89+16		16.3	0.617		39.88	1.8	3.6	1.8	6.1
B61	Fld Bnd 10.51 deg. Left Turn MCSD: 40.13		9084.19	90+84		12.7	0.617		40.13	22.3	41.4	19.2	34.9
B62	Bend 19.9 deg. 3.0 Ds Up Turn MCSD: 38.28	Before u/s w.: 1.1%(0.447) MCSD: 40.0 ID:40.5 mph:28.0 Clk:3 to 9 After d/s w. : 0.4%(0.163) MCSD: 40.3 ID:40.5 mph:30.1 Clk:1 to 7 MPH coming into Bend (-10ft): 26.1 Leaving Bend (+10ft): 31.3 Min MPH over range: 24.0 at index 1762574	9190.10	91+90		30.7	0.740		38.28	2.9	5.8	2.9	17.2
B63	Fld Bnd 5.42 deg. Down & Left Turn MCSD: 39.84		9388.95	93+89		43.2	0.740		39.84	27.2	40.1	12.8	39.0
B64	Bend 15.7 deg. 3.0 Ds Up Turn MCSD: 38.26	Before u/s w.: 1.1%(0.454) MCSD: 39.5 ID:40.5 mph:39.8 Clk:1 to 7 After d/s w. : 0.9%(0.362) MCSD: 40.1 ID:40.5 mph:41.3 Clk:3 to 9 MPH coming into Bend (-10ft): 46.5 Leaving Bend (+10ft): 41.6 Min MPH over range: 33.5 at index 1817890	9645.67	96+46		41.4	0.740		38.26	1.7	3.3	1.7	25.6
B65	Fld Bnd 10.59 deg. Left Turn MCSD: 39.87		9694.37	96+94		37.2	0.740		39.87	21.4	36.4	14.9	4.6
B66	Bend 45.9 deg. 3.0 Ds Up Turn MCSD: 39.29	Before u/s w.: 0.6%(0.244) MCSD: 40.3 ID:40.5 mph:0.1 Clk:3 to 9 After d/s w. : 1.1%(0.479) MCSD: 40.1 ID:40.5 mph:1.9 Clk:3 to 9 MPH coming into Bend (-10ft): 0.2 Leaving Bend (+10ft): 2.3 Min MPH over range: 0.0 at index 1869986	10086.57	100+87		0.6	0.740		39.29	4.1	8.3	4.1	14.2
B67	Bend 43.6 deg. 3.0 Ds Right Turn MCSD: 39.15	Before u/s w.: 0.2%(0.085) MCSD: 40.6 ID:40.8 mph:28.0 Clk:2 to 8 After d/s w. : 0.6%(0.253) MCSD: 40.4 ID:40.8 mph:29.3 Clk:5 to 11 MPH coming into Bend (-10ft): 28.0 Leaving Bend (+10ft): 28.8 Min MPH over range: 23.6 at index 1949937	10753.32	107+53		33.1	0.617		39.15	4.5	9.0	4.5	2.5

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B68	Bend 34.6 deg. 3.0 Ds Left Turn MCSD: 36.58	Before u/s w.: 1.1%(0.480) MCSD: 40.1 ID:40.8 mph:36.0 Clk:0 to 6 After d/s w.: 1.1%(0.460) MCSD: 40.1 ID:40.8 mph:37.9 Clk:1 to 7 MPH coming into Bend (-10ft): 35.6 Leaving Bend (+10ft): 34.3 Min MPH over range: 29.4 at index 1991733	11099.55	111+00		34.9	0.617		36.58	2.8	5.6	2.8	40.8
B69	Fld Bnd 13.69 deg. Right Turn MCSD: 40.24		11763.88	117+64		17.7	0.617		40.24	16.4	35.8	19.4	39.6
B70	Fld Bnd 10.79 deg. Left & Up Turn MCSD: 40.12		11917.53	119+18		30.5	0.617		40.12	20.9	41.8	20.9	41.2
B71	Fld Bnd 9.11 deg. Left Turn MCSD: 40.44		12463.52	124+64		5.2	0.617		40.44	20.9	41.8	20.9	15.1
B72	Bend 53.8 deg. 3.0 Ds Up & Right Turn MCSD: 39.30	Before u/s w.: 1.9%(0.785) MCSD: 39.6 ID:40.8 mph:27.5 Clk:1 to 7 After d/s w.: 0.2%(0.075) MCSD: 40.5 ID:40.8 mph:25.2 Clk:6 to 12 MPH coming into Bend (-10ft): 21.3 Leaving Bend (+10ft): 22.3 Min MPH over range: 19.1 at index 2197613	12821.10	128+21		24.9	0.617		39.30	2.8	5.6	2.8	5.0
B73	Fld Bnd 5.01 deg. Right Turn MCSD: 39.91		12876.47	128+76		28.2	0.617		39.91	17.4	41.5	24.1	37.3
B74	Fld Bnd 9.12 deg. Left & Up Turn MCSD: 40.06		13035.15	130+35		33.3	0.617		40.06	19.6	42.8	23.2	41.3
B75	Bend 34.2 deg. 3.0 Ds Right Turn MCSD: 38.77	Before u/s w.: 0.4%(0.177) MCSD: 40.6 ID:40.8 mph:28.1 Clk:5 to 11 After d/s w.: 1.0%(0.432) MCSD: 40.2 ID:40.8 mph:23.5 Clk:3 to 9 MPH coming into Bend (-10ft): 26.8 Leaving Bend (+10ft): 28.8 Min MPH over range: 23.4 at index 2261480	13339.31	133+39		24.8	0.617		38.77	3.2	6.4	3.2	2.0
B76	Fld Bnd 10.98 deg. Left Turn MCSD: 40.22		13570.87	135+71		28.7	0.617		40.22	21.7	41.9	20.3	41.6
B77	Fld Bnd 12.16 deg. Left & Up Turn MCSD: 39.62		13613.27	136+13		28.3	0.617		39.62	22.1	41.6	19.4	41.6
B78	Fld Bnd 12.69 deg. Left Turn MCSD: 40.19		14378.03	143+78		17.1	0.617		40.19	24.1	41.7	17.6	43.4
B79	Fld Bnd 12.73 deg. Left Turn MCSD: 40.26		14460.21	144+60		20.4	0.617		40.26	21.2	41.8	20.6	40.8
B80	Bend 33.2 deg. 3.0 Ds Up & Right Turn MCSD: 39.70	Before u/s w.: 0.8%(0.354) MCSD: 40.4 ID:40.8 mph:21.5 Clk:2 to 8 After d/s w.: 0.6%(0.241) MCSD: 40.4 ID:40.8 mph:21.4 Clk:5 to 11 MPH coming into Bend (-10ft): 21.5 Leaving Bend (+10ft): 21.2 Min MPH over range: 17.6 at index 2417753	14650.33	146+50		23.5	0.617		39.70	3.6	7.1	3.6	2.6
B81	Bend 45.2 deg. 3.0 Ds Left & Up Turn MCSD: 39.69	Before u/s w.: 0.3%(0.113) MCSD: 40.7 ID:40.8 mph:20.7 Clk:6 to 12 After d/s w.: 0.5%(0.206) MCSD: 40.4 ID:40.8 mph:17.4 Clk:4 to 10 MPH coming into Bend (-10ft): 21.2 Leaving Bend (+10ft): 20.0 Min MPH over range: 15.5 at index 2468251	15059.59	150+60		20.1	0.617		39.69	4.5	9.1	4.5	2.6

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B82	Bend 43.3 deg. 3.0 Ds Left & Up Turn MCSD: 40.05	Before u/s w.: 0.8%(0.341) MCSD: 40.5 ID:40.8 mph:12.2 Clk:6 to 12 After d/s w.: 0.9%(0.368) MCSD: 40.4 ID:40.8 mph:10.7 Clk:5 to 11 MPH coming into Bend (-10ft): 11.8 Leaving Bend (+10ft): 11.0 Min MPH over range: 10.5 at index 2535212	15619.00	156+19		12.1	0.617		40.05	4.6	9.2	4.6	33.9
B83	Fld Bnd 5.43 deg. Right Turn MCSD: 40.31		15641.01	156+41		11.6	0.617		40.31	17.4	33.9	16.5	41.5
B84	Bend 44.2 deg. 3.0 Ds Right Turn MCSD: 40.24	Before u/s w.: 0.2%(0.081) MCSD: 40.7 ID:40.8 mph:10.0 Clk:3 to 9 After d/s w.: 0.3%(0.114) MCSD: 40.7 ID:40.8 mph:10.0 Clk:3 to 9 MPH coming into Bend (-10ft): 9.7 Leaving Bend (+10ft): 12.1 Min MPH over range: 8.5 at index 2596928	16142.37	161+42		11.5	0.617		40.24	4.5	9.1	4.5	2.6
B85	Fld Bnd 11.59 deg. Right Turn MCSD: 40.25		16362.47	163+62		12.8	0.617		40.25	20.7	41.1	20.4	40.9
B86	Fld Bnd 11.63 deg. Right Turn MCSD: 40.31		16401.68	164+02		12.6	0.617		40.31	18.8	40.9	22.1	40.6
B87	Fld Bnd 11.13 deg. Left Turn MCSD: 40.03		16830.86	168+31		4.8	0.617		40.03	22.6	41.8	19.2	34.1
B88	Fld Bnd 11.06 deg. Left Turn MCSD: 40.25		16908.39	169+08		8.2	0.617		40.25	24.3	42.5	18.2	31.0
B89	Fld Bnd 9.89 deg. Left Turn MCSD: 40.34		16979.48	169+79		7.7	0.617		40.34	21.9	40.3	18.4	41.0
B90	Fld Bnd 13.28 deg. Right Turn MCSD: 40.22		17335.17	173+35		15.8	0.617		40.22	16.1	40.5	24.4	41.6
B91	Fld Bnd 12.67 deg. Right Turn MCSD: 40.40		17381.66	173+82		20.0	0.617		40.40	22.1	41.6	19.5	41.1
B92	Fld Bnd 9.86 deg. Left Turn MCSD: 40.19		17558.15	175+58		22.9	0.617		40.19	22.9	40.8	17.9	29.3
B93	Fld Bnd 13.41 deg. Left Turn MCSD: 40.38		17664.16	176+64		21.7	0.617		40.38	23.1	41.9	18.9	38.0
B94	Fld Bnd 5.7 deg. Left & Up Turn MCSD: 40.26		17702.01	177+02		21.8	0.617		40.26	19.0	38.0	19.0	41.6
B95	Fld Bnd 5.52 deg. Left & Up Turn MCSD: 40.35		17740.88	177+41		20.7	0.617		40.35	19.9	41.6	21.8	41.5
B96	Fld Bnd 10.06 deg. Right Turn MCSD: 40.42		17909.54	179+10		15.9	0.617		40.42	22.6	40.9	18.3	40.2
B97	Fld Bnd 8.41 deg. Right Turn MCSD: 40.40		18078.32	180+78		10.5	0.617		40.40	18.2	40.9	22.7	31.4
B98	Fld Bnd 9.07 deg. Right Turn MCSD: 40.09		18276.04	182+76		7.6	0.617		40.09	19.6	40.8	21.1	41.5
B99	Fld Bnd 9.87 deg. Right Turn MCSD: 40.36		18319.26	183+19		8.1	0.617		40.36	22.1	41.5	19.4	40.8
B100	Fld Bnd 11.35 deg. Left Turn MCSD: 40.32		18470.43	184+70		9.2	0.617		40.32	21.8	41.8	20.0	41.4
B101	Fld Bnd 9.46 deg. Left Turn MCSD: 40.44		18572.82	185+73		2.9	0.617		40.44	21.0	41.8	20.8	42.0
B102	Fld Bnd 5.12 deg. Left Turn MCSD: 40.46		18614.72	186+15		6.0	0.617		40.46	21.1	42.0	20.9	39.7

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B103	Bend 46.9 deg. 3.0 Ds Up & Right Turn MCSD: 39.51	Before u/s w.: 0.3%(0.136) MCSD: 40.7 ID:40.8 mph:17.2 Clk:3 to 9 After d/s w.: 1.8%(0.735) MCSD: 40.0 ID:40.8 mph:19.3 Clk:2 to 8 MPH coming into Bend (-10ft): 17.7 Leaving Bend (+10ft): 19.0 Min MPH over range: 13.1 at index 2982597	19355.09	193+55		21.1	0.617		39.51	4.9	9.9	4.9	9.1
B104	Bend 52.1 deg. 3.0 Ds Up Turn MCSD: 38.21	Before u/s w.: 0.3%(0.126) MCSD: 40.7 ID:40.8 mph:30.5 Clk:1 to 7 After d/s w.: 2.0%(0.825) MCSD: 39.5 ID:40.8 mph:34.8 Clk:6 to 12 MPH coming into Bend (-10ft): 31.2 Leaving Bend (+10ft): 35.1 Min MPH over range: 26.3 at index 2997902	19486.47	194+86		35.4	0.617		38.21	5.1	10.1	5.1	2.2
B105	Fld Bnd 6.48 deg. Left & Up Turn MCSD: 40.19		19615.97	196+16		39.0	0.617		40.19	19.1	39.2	20.1	37.3
B106	Bend 36.0 deg. 3.0 Ds Left & Up Turn MCSD: 35.79	Before u/s w.: 1.6%(0.685) MCSD: 40.2 ID:40.8 mph:36.9 Clk:0 to 6 After d/s w.: 1.0%(0.430) MCSD: 40.0 ID:40.8 mph:38.9 Clk:3 to 9 MPH coming into Bend (-10ft): 38.8 Leaving Bend (+10ft): 37.6 Min MPH over range: 32.1 at index 3041102	19830.52	198+31		35.7	0.617		35.79	3.4	6.9	3.4	4.9
B107	Fld Bnd 5.91 deg. Left Turn MCSD: 40.40		20193.43	201+93		32.5	0.617		40.40	25.6	41.1	15.5	20.9
B108	Fld Bnd 9.7 deg. Right Turn MCSD: 40.01		20508.13	205+08		8.7	0.617		40.01	19.7	38.0	18.2	39.9
B109	Bend 30.4 deg. 3.0 Ds Right Turn MCSD: 40.01	Before u/s w.: 1.0%(0.416) MCSD: 40.5 ID:40.8 mph:6.1 Clk:1 to 7 After d/s w.: 0.4%(0.156) MCSD: 40.7 ID:40.8 mph:4.6 Clk:6 to 12 MPH coming into Bend (-10ft): 6.6 Leaving Bend (+10ft): 3.7 Min MPH over range: 3.3 at index 3153479	20767.13	207+67		5.6	0.617		40.01	3.5	7.1	3.5	2.6
B110	Bend 20.5 deg. 3.0 Ds Left Turn MCSD: 39.87	Before u/s w.: 0.3%(0.115) MCSD: 40.8 ID:40.8 mph:16.6 Clk:6 to 12 After d/s w.: 0.4%(0.162) MCSD: 40.6 ID:40.8 mph:14.1 Clk:3 to 9 MPH coming into Bend (-10ft): 16.2 Leaving Bend (+10ft): 15.9 Min MPH over range: 13.9 at index 3171536	20923.54	209+24		17.7	0.617		39.87	2.2	4.4	2.2	2.6
B111	Bend 22.5 deg. 3.0 Ds Left & Up Turn MCSD: 39.61	Before u/s w.: 1.2%(0.503) MCSD: 40.4 ID:40.8 mph:18.1 Clk:5 to 11 After d/s w.: 0.9%(0.366) MCSD: 40.4 ID:40.8 mph:14.1 Clk:1 to 7 MPH coming into Bend (-10ft): 18.2 Leaving Bend (+10ft): 15.6 Min MPH over range: 13.8 at index 3175924	20959.92	209+60		19.5	0.617		39.61	2.3	4.5	2.2	2.8
B112	Fld Bnd 12.18 deg. Right Turn MCSD: 40.48		21391.09	213+91		8.9	0.617		40.48	20.9	39.8	18.9	39.7
B113	Fld Bnd 9.18 deg. Left Turn MCSD: 40.24		21913.89	219+14		8.2	0.617		40.24	21.6	40.1	18.4	13.0
B114	Fld Bnd 9.48 deg. Left Turn MCSD: 40.47		21964.04	219+64		12.4	0.617		40.47	18.7	40.2	21.5	28.5

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B115	Fld Bnd 13.05 deg. Right & Down Turn MCSD: 39.66		22633.00	226+33		13.9	0.617		39.66	17.7	39.7	22.0	18.8
B116	Fld Bnd 6.94 deg. Left Turn MCSD: 40.47		22836.01	228+36		30.0	0.617		40.47	21.7	39.9	18.2	5.0
B117	Fld Bnd 6.61 deg. Left Turn MCSD: 40.02		22899.29	228+99		32.3	0.617		40.02	24.1	40.2	16.1	39.6
B118	Fld Bnd 9.43 deg. Up & Right Turn MCSD: 40.35		23124.04	231+24		31.0	0.617		40.35	21.9	38.6	16.7	12.0
B119	Fld Bnd 6.3 deg. Down & Left Turn MCSD: 40.47		23770.98	237+71		13.3	0.617		40.47	16.7	40.3	23.5	9.1
B120	Bend 44.5 deg. 3.0 Ds Left & Up Turn MCSD: 39.93	Before u/s w.: 0.5%(0.218) MCSD: 40.6 ID:40.8 mph:16.1 Clk:4 to 10 After d/s w. : 0.7%(0.308) MCSD: 40.3 ID:40.8 mph:15.2 Clk:5 to 11 MPH coming into Bend (-10ft): 14.7 Leaving Bend (+10ft): 17.4 Min MPH over range: 13.3 at index 3517056	23799.06	237+99		17.6	0.617		39.93	4.5	9.1	4.5	2.5
B121	Fld Bnd 8.35 deg. Down & Left Turn MCSD: 40.35		23831.04	238+31		18.7	0.617		40.35	25.0	40.1	15.1	39.9
B122	Fld Bnd 12.22 deg. Left & Up Turn MCSD: 39.58		24021.43	240+21		21.3	0.617		39.58	22.6	40.2	17.6	39.8
B123	Fld Bnd 5.38 deg. Left & Up Turn MCSD: 40.36		24065.45	240+65		18.7	0.617		40.36	26.4	39.8	13.4	22.8
B124	Fld Bnd 10.22 deg. Right Turn MCSD: 40.41		24450.88	244+51		7.0	0.617		40.41	20.6	39.6	19.1	39.9
B125	Fld Bnd 9.96 deg. Right Turn MCSD: 40.13		24489.94	244+90		9.7	0.617		40.13	20.0	39.9	19.9	39.7
B126	Fld Bnd 9.52 deg. Right Turn MCSD: 40.33		24531.32	245+31		10.8	0.617		40.33	21.5	39.7	18.2	23.5
B127	Bend 44.2 deg. 3.0 Ds Left Turn MCSD: 40.13	Before u/s w.: 0.4%(0.178) MCSD: 40.7 ID:40.8 mph:7.0 Clk:4 to 10 After d/s w. : 0.5%(0.194) MCSD: 40.7 ID:40.8 mph:6.8 Clk:4 to 10 MPH coming into Bend (-10ft): 7.8 Leaving Bend (+10ft): 6.8 Min MPH over range: 5.9 at index 3659917	25001.25	250+01		6.9	0.617		40.13	4.6	9.2	4.6	2.6
B128	Fld Bnd 8.95 deg. Left Turn MCSD: 40.47		25299.12	252+99		4.9	0.617		40.47	22.1	40.2	18.1	40.0
B129	Bend 43.0 deg. 3.0 Ds Up & Right Turn MCSD: 40.17	Before u/s w.: 0.6%(0.259) MCSD: 40.6 ID:40.8 mph:11.2 Clk:5 to 11 After d/s w. : 0.6%(0.269) MCSD: 40.5 ID:40.8 mph:12.9 Clk:4 to 10 MPH coming into Bend (-10ft): 11.7 Leaving Bend (+10ft): 13.4 Min MPH over range: 9.3 at index 3736987	25642.23	256+42		12.9	0.617		40.17	4.4	9.1	4.7	5.1
B130	Bend 34.1 deg. 3.0 Ds Up & Right Turn MCSD: 39.77	Before u/s w.: 1.0%(0.412) MCSD: 40.4 ID:40.8 mph:15.4 Clk:1 to 7 After d/s w. : 1.4%(0.584) MCSD: 40.1 ID:40.8 mph:17.5 Clk:6 to 12 MPH coming into Bend (-10ft): 16.0 Leaving Bend (+10ft): 17.6 Min MPH over range: 14.4 at index 3743488	25698.29	256+98		19.5	0.617		39.77	3.5	7.3	3.8	2.5
B131	Fld Bnd 11.9 deg. Left Turn MCSD: 39.93		26279.36	262+79		20.1	0.617		39.93	22.4	40.1	17.7	39.8

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B132	Bend 35.3 deg. 3.0 Ds Left & Up Turn MCSD: 39.64	Before u/s w.: 1.9%(0.779) MCSD: 40.2 ID:40.8 mph:3.6 Clk:2 to 8 After d/s w.: 1.5%(0.634) MCSD: 40.0 ID:40.5 mph:0.4 Clk:2 to 8 MPH coming into Bend (-10ft): 2.3 Leaving Bend (+10ft): 1.9 Min MPH over range: 0.0 at index 3874447	26781.15	267+81		3.5	0.617		39.64	3.6	7.2	3.6	5.1
B133	Bend 15.7 deg. 3.0 Ds Down Turn MCSD: 39.63	Before u/s w.: 0.9%(0.388) MCSD: 40.3 ID:40.5 mph:5.6 Clk:5 to 11 After d/s w.: 0.8%(0.319) MCSD: 40.3 ID:40.5 mph:9.5 Clk:6 to 12 MPH coming into Bend (-10ft): 3.4 Leaving Bend (+10ft): 9.5 Min MPH over range: 2.9 at index 3878009	26823.30	268+23		8.7	0.740		39.63	1.6	3.1	1.5	2.7
B134	Bend 12.6 deg. 3.0 Ds Up Turn MCSD: 40.21	Before u/s w.: 0.4%(0.181) MCSD: 40.7 ID:40.8 mph:10.5 Clk:2 to 8 After d/s w.: 0.4%(0.175) MCSD: 40.7 ID:40.8 mph:5.7 Clk:3 to 9 MPH coming into Bend (-10ft): 10.8 Leaving Bend (+10ft): 6.7 Min MPH over range: 5.3 at index 3894018	26943.54	269+44		7.2	0.617		40.21	1.6	3.2	1.6	2.6
B135	Bend 12.3 deg. 3.0 Ds Down Turn MCSD: 39.54	Before u/s w.: 2.3%(0.985) MCSD: 39.7 ID:40.8 mph:10.2 Clk:3 to 9 After d/s w.: 0.7%(0.275) MCSD: 40.6 ID:40.8 mph:11.1 Clk:4 to 10 MPH coming into Bend (-10ft): 10.0 Leaving Bend (+10ft): 12.8 Min MPH over range: 9.0 at index 3935979	27294.48	272+94		10.4	0.617		39.54	1.5	2.9	1.5	5.3
B136	Bend 22.8 deg. 3.0 Ds Up Turn MCSD: 40.04	Before u/s w.: 0.9%(0.383) MCSD: 40.5 ID:40.8 mph:9.9 Clk:2 to 8 After d/s w.: 0.8%(0.338) MCSD: 40.5 ID:40.8 mph:7.4 Clk:2 to 8 MPH coming into Bend (-10ft): 10.7 Leaving Bend (+10ft): 4.5 Min MPH over range: 4.4 at index 3941506	27333.65	273+34		8.9	0.617		40.04	2.2	4.4	2.2	5.0
B137	Fld Bnd 9.48 deg. Right Turn MCSD: 40.21		27527.82	275+28		17.7	0.617		40.21	23.4	39.6	16.2	40.9
B138	Bend 53.4 deg. 3.0 Ds Right Turn MCSD: 39.46	Before u/s w.: 0.3%(0.139) MCSD: 40.7 ID:40.8 mph:15.9 Clk:4 to 10 After d/s w.: 1.0%(0.408) MCSD: 40.3 ID:40.8 mph:20.0 Clk:2 to 8 MPH coming into Bend (-10ft): 15.8 Leaving Bend (+10ft): 17.6 Min MPH over range: 13.8 at index 4034113	28118.97	281+19		19.9	0.617		39.46	5.2	10.3	5.1	4.8
B139	Fld Bnd 12.75 deg. Right Turn MCSD: 40.35		28147.29	281+47		22.4	0.617		40.35	18.3	38.2	19.9	39.6
B140	Fld Bnd 12.11 deg. Left Turn MCSD: 40.22		28626.92	286+27		30.3	0.617		40.22	22.2	43.3	21.1	40.7
B141	Fld Bnd 7.99 deg. Left Turn MCSD: 40.30		28667.44	286+67		31.7	0.617		40.30	19.4	40.7	21.3	43.1
B142	Fld Bnd 5.24 deg. Left & Up Turn MCSD: 40.10		28707.64	287+08		32.5	0.617		40.10	18.9	43.1	24.1	38.9
B143	Fld Bnd 7.54 deg. Left & Up Turn MCSD: 40.49		28753.71	287+54		34.5	0.617		40.49	21.9	38.9	16.9	41.1

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B144	Fld Bnd 11.7 deg. Left Turn MCSD: 40.38		29351.83	293+52		22.3	0.617		40.38	20.7	41.5	20.7	40.4
B145	Fld Bnd 11.15 deg. Left Turn MCSD: 40.29		29393.41	293+93		21.9	0.617		40.29	20.8	40.4	19.5	42.3
B146	Bend 52.6 deg. 3.0 Ds Right Turn MCSD: 39.53	Before u/s w.: 0.7%(0.300) MCSD: 40.5 ID:40.8 mph:18.2 Clk:5 to 11 After d/s w. : 0.5%(0.218) MCSD: 40.5 ID:40.8 mph:19.9 Clk:4 to 10 MPH coming into Bend (-10ft): 18.4 Leaving Bend (+10ft): 20.2 Min MPH over range: 15.1 at index 4211907	29599.34	295+99		18.7	0.617		39.53	4.5	9.2	4.7	11.6
B147	Fld Bnd 11.81 deg. Right Turn MCSD: 39.98		29669.27	296+69		24.0	0.617		39.98	21.1	39.4	18.3	39.0
B148	Fld Bnd 7.93 deg. Right Turn MCSD: 40.28		29953.38	299+53		29.2	0.617		40.28	20.6	40.7	20.0	41.2
B149	Fld Bnd 8.9 deg. Right Turn MCSD: 40.11		29993.68	299+94		28.7	0.617		40.11	20.3	41.2	21.0	41.8
B150	Bend 49.1 deg. 3.0 Ds Left & Up Turn MCSD: 40.22	Before u/s w.: 0.6%(0.270) MCSD: 40.6 ID:40.8 mph:11.9 Clk:1 to 7 After d/s w. : 0.6%(0.266) MCSD: 40.5 ID:40.8 mph:14.4 Clk:0 to 6 MPH coming into Bend (-10ft): 11.2 Leaving Bend (+10ft): 13.5 Min MPH over range: 9.8 at index 4341351	30682.26	306+82		13.3	0.617		40.22	5.2	10.4	5.3	4.9
B151	Fld Bnd 7.68 deg. Right Turn MCSD: 40.16		31065.47	310+65		9.1	0.617		40.16	21.6	41.4	19.8	41.9
B152	Fld Bnd 7.68 deg. Right Turn MCSD: 40.37		31104.10	311+04		8.7	0.617		40.37	18.8	41.9	23.1	41.9
B153	Bend 48.4 deg. 3.0 Ds Left Turn MCSD: 39.85	Before u/s w.: 0.7%(0.291) MCSD: 40.7 ID:40.8 mph:15.6 Clk:5 to 11 After d/s w. : 0.5%(0.194) MCSD: 40.6 ID:40.8 mph:19.0 Clk:1 to 7 MPH coming into Bend (-10ft): 14.1 Leaving Bend (+10ft): 17.4 Min MPH over range: 13.7 at index 4541390	32350.39	323+50		19.0	0.617		39.85	4.4	9.0	4.6	36.8
B154	Bend 33.0 deg. 3.0 Ds Left Turn MCSD: 37.59	Before u/s w.: 1.0%(0.430) MCSD: 40.3 ID:40.8 mph:30.0 Clk:0 to 6 After d/s w. : 1.0%(0.407) MCSD: 40.3 ID:40.8 mph:31.9 Clk:2 to 8 MPH coming into Bend (-10ft): 28.9 Leaving Bend (+10ft): 30.7 Min MPH over range: 27.5 at index 4552073	32441.15	324+41		30.2	0.617		37.59	3.2	6.3	3.2	33.9
B155	Fld Bnd 11.87 deg. Right Turn MCSD: 40.37		33096.53	330+97		20.4	0.617		40.37	21.0	41.7	20.8	42.4
B156	Fld Bnd 11.98 deg. Right Turn MCSD: 40.25		33138.71	331+39		21.3	0.617		40.25	21.4	42.4	21.0	7.0
B157	Bend 25.17 deg. 3.0 Ds Up & Right Turn MCSD: 38.59	Before u/s w.: 0.9%(0.365) MCSD: 40.4 ID:40.8 mph:23.7 Clk:3 to 9 After d/s w. : 1.8%(0.743) MCSD: 40.0 ID:40.8 mph:26.0 Clk:6 to 12 MPH coming into Bend (-10ft): 23.3 Leaving Bend (+10ft): 24.8 Min MPH over range: 14.5 at index 4641249	33174.46	331+74		24.6	0.617		38.59	2.5	4.9	2.5	14.2
B158	Fld Bnd 9.79 deg. Left Turn MCSD: 40.23		33558.55	335+59		25.3	0.617		40.23	20.2	41.4	21.2	41.2

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B159	Fld Bnd 9.93 deg. Left Turn MCSD: 40.32		33600.11	336+00		24.5	0.617		40.32	20.3	41.2	20.9	42.4
B160	Fld Bnd 10.59 deg. Left Turn MCSD: 40.29		33640.77	336+41		24.6	0.617		40.29	19.8	42.4	22.7	22.3
B161	Fld Bnd 7.51 deg. Left & Up Turn MCSD: 40.37		33710.65	337+11		24.2	0.617		40.37	24.9	41.9	17.0	33.5
B162	Bend 23.4 deg. 3.0 Ds Left Turn MCSD: 39.59	Before u/s w.: 0.5%(0.192) MCSD: 40.7 ID:40.8 mph:23.7 Clk:5 to 11 After d/s w. : 1.5%(0.613) MCSD: 40.1 ID:40.8 mph:20.8 Clk:5 to 11 MPH coming into Bend (-10ft): 23.6 Leaving Bend (+10ft): 22.8 Min MPH over range: 19.7 at index 4712545	33763.61	337+64		25.6	0.617		39.59	2.5	5.0	2.5	4.4
B163	Fld Bnd 6.08 deg. Left & Up Turn MCSD: 40.23		33901.61	339+02		22.9	0.617		40.23	16.8	42.3	25.5	42.2
B164	Fld Bnd 12.1 deg. Left Turn MCSD: 40.45		34409.26	344+09		11.7	0.617		40.45	19.9	42.6	22.7	41.4
B165	Fld Bnd 5.04 deg. Up & Right Turn MCSD: 40.63		34498.09	344+98		3.9	0.617		40.63	24.8	42.4	17.7	25.0
B166	Fld Bnd 8.98 deg. Down & Left Turn MCSD: 40.19		34590.05	345+90		9.4	0.617		40.19	27.5	42.9	15.4	10.5
B167	Bend 19.5 deg. 3.0 Ds Left & Up Turn MCSD: 39.90	Before u/s w.: 0.9%(0.397) MCSD: 40.5 ID:40.8 mph:12.9 Clk:3 to 9 After d/s w. : 1.2%(0.510) MCSD: 40.3 ID:40.8 mph:12.9 Clk:3 to 9 MPH coming into Bend (-10ft): 11.7 Leaving Bend (+10ft): 12.4 Min MPH over range: 11.3 at index 4813750	34618.03	346+18		14.7	0.617		39.90	2.0	4.2	2.1	5.0
B168	Bend 33.5 deg. 3.0 Ds Up & Right Turn MCSD: 40.09	Before u/s w.: 0.6%(0.243) MCSD: 40.6 ID:40.8 mph:16.7 Clk:1 to 7 After d/s w. : 0.4%(0.165) MCSD: 40.5 ID:40.8 mph:16.8 Clk:5 to 11 MPH coming into Bend (-10ft): 16.6 Leaving Bend (+10ft): 16.5 Min MPH over range: 12.6 at index 4842467	34852.66	348+53		18.3	0.617		40.09	3.6	7.2	3.6	5.0
B169	Bend 58.8 deg. 3.0 Ds Right Turn MCSD: 39.65	Before u/s w.: 0.3%(0.121) MCSD: 40.7 ID:40.8 mph:17.7 Clk:6 to 12 After d/s w. : 0.4%(0.184) MCSD: 40.5 ID:40.8 mph:19.1 Clk:2 to 8 MPH coming into Bend (-10ft): 18.6 Leaving Bend (+10ft): 16.5 Min MPH over range: 15.2 at index 4855564	34964.61	349+65		20.3	0.617		39.65	5.7	11.3	5.7	4.8
B170	Fld Bnd 9.01 deg. Right & Down Turn MCSD: 40.16		35028.99	350+29		21.8	0.617		40.16	19.8	41.2	21.4	42.4
B171	Fld Bnd 5.32 deg. Right Turn MCSD: 40.24		35079.91	350+80		23.9	0.617		40.24	29.5	42.4	12.9	41.6
B172	Fld Bnd 6.42 deg. Right Turn MCSD: 40.45		35488.26	354+88		20.0	0.617		40.45	23.1	40.4	17.3	41.7
B173	Bend 46.8 deg. 3.0 Ds Left Turn MCSD: 39.75	Before u/s w.: 1.0%(0.433) MCSD: 40.4 ID:40.8 mph:17.4 Clk:1 to 7 After d/s w. : 0.2%(0.078) MCSD: 40.6 ID:40.8 mph:21.3 Clk:4 to 10 MPH coming into Bend (-10ft): 15.9 Leaving Bend (+10ft): 20.7 Min MPH over range: 15.9 at index 4987207	36065.44	360+65		21.6	0.617		39.75	4.6	9.2	4.6	2.3

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B174	Fld Bnd 8.86 deg. Down & Left Turn MCSD: 40.36		36094.91	360+95		25.2	0.617		40.36	22.6	42.2	19.6	41.4
B175	Fld Bnd 6.95 deg. Left & Up Turn MCSD: 40.43		36177.16	361+77		26.1	0.617		40.43	21.2	40.8	19.6	41.4
B176	Bend 14.6 deg. 3.0 Ds Left & Up Turn MCSD: 39.74	Before u/s w.: 0.7%(0.294) MCSD: 40.1 ID:40.8 mph:21.1 Clk:2 to 8 After d/s w.: 0.5%(0.218) MCSD: 40.6 ID:40.8 mph:17.6 Clk:2 to 8 MPH coming into Bend (-10ft): 21.3 Leaving Bend (+10ft): 19.2 Min MPH over range: 16.9 at index 5027777	36390.66	363+91		20.9	0.617		39.74	1.5	2.9	1.4	5.0
B177	Bend 51.4 deg. 3.0 Ds Up & Right Turn MCSD: 40.09	Before u/s w.: 0.7%(0.288) MCSD: 40.6 ID:40.8 mph:12.0 Clk:5 to 11 After d/s w.: 0.8%(0.315) MCSD: 40.4 ID:40.8 mph:13.6 Clk:4 to 10 MPH coming into Bend (-10ft): 12.7 Leaving Bend (+10ft): 12.0 Min MPH over range: 9.4 at index 5056822	36641.25	366+41		13.3	0.617		40.09	5.1	10.1	5.0	4.2
B178	Bend 50.9 deg. 3.0 Ds Left Turn MCSD: 40.23	Before u/s w.: 0.8%(0.328) MCSD: 40.6 ID:40.8 mph:2.1 Clk:5 to 11 After d/s w.: 0.7%(0.281) MCSD: 40.6 ID:40.8 mph:2.1 Clk:5 to 11 MPH coming into Bend (-10ft): 2.5 Leaving Bend (+10ft): 1.5 Min MPH over range: 1.5 at index 5111401	37083.86	370+84		2.3	0.617		40.23	5.3	10.7	5.4	5.1
B179	Bend 44.8 deg. 3.0 Ds Left Turn MCSD: 39.33	Before u/s w.: 0.4%(0.185) MCSD: 40.7 ID:40.8 mph:26.1 Clk:5 to 11 After d/s w.: 0.7%(0.303) MCSD: 40.4 ID:40.8 mph:28.9 Clk:0 to 6 MPH coming into Bend (-10ft): 23.2 Leaving Bend (+10ft): 25.5 Min MPH over range: 23.2 at index 5143087	37366.23	373+66		29.1	0.617		39.33	4.4	9.1	4.7	5.3
B180	Bend 32.7 deg. 3.0 Ds Up & Right Turn MCSD: 39.39	Before u/s w.: 0.5%(0.227) MCSD: 40.6 ID:40.8 mph:22.2 Clk:4 to 10 After d/s w.: 0.5%(0.211) MCSD: 40.5 ID:40.8 mph:20.3 Clk:2 to 8 MPH coming into Bend (-10ft): 21.6 Leaving Bend (+10ft): 19.7 Min MPH over range: 14.6 at index 5209014	37907.87	379+08		22.0	0.617		39.39	3.5	7.1	3.6	4.8
B181	Fld Bnd 5.04 deg. Right Turn MCSD: 40.27		37931.51	379+32		21.9	0.617		40.27	15.3	25.7	10.4	41.3
B182	Fld Bnd 9.48 deg. Right Turn MCSD: 40.32		38417.68	384+18		13.5	0.617		40.32	23.7	42.8	19.1	41.3
B183	Fld Bnd 12.9 deg. Right Turn MCSD: 40.10		38459.12	384+59		14.3	0.617		40.10	22.3	41.3	19.0	42.8
B184	Fld Bnd 13.13 deg. Right Turn MCSD: 40.23		38543.48	385+43		16.7	0.617		40.23	22.6	42.1	19.6	41.0
B185	Fld Bnd 11.04 deg. Right Turn MCSD: 40.25		38703.11	387+03		18.0	0.617		40.25	16.8	36.3	19.5	42.1
B186	Fld Bnd 5.02 deg. Right & Down Turn MCSD: 40.44		38748.74	387+49		20.4	0.617		40.44	26.1	42.1	16.0	41.4
B187	Fld Bnd 6.78 deg. Left & Up Turn MCSD: 40.61		39036.53	390+37		15.1	0.617		40.61	20.8	41.6	20.8	43.2
B188	Fld Bnd 6.76 deg. Left & Up Turn MCSD: 40.35		39078.33	390+78		13.3	0.617		40.35	21.0	43.2	22.3	41.2

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B189	Fld Bnd 6.32 deg. Left & Up Turn MCSD: 40.43		39122.65	391+23		10.8	0.617		40.43	22.1	41.2	19.1	43.0
B190	Bend 65.8 deg. 3.0 Ds Left Turn MCSD: 39.70	Before u/s w.: 0.5%(0.206) MCSD: 40.7 ID:40.8 mph:15.2 Clk:2 to 8 After d/s w. : 0.2%(0.086) MCSD: 40.6 ID:40.8 mph:18.7 Clk:4 to 10 MPH coming into Bend (-10ft): 15.1 Leaving Bend (+10ft): 15.6 Min MPH over range: 11.7 at index 5394602	39460.77	394+61		15.3	0.617		39.70	6.7	13.3	6.6	4.8
B191	Fld Bnd 5.44 deg. Left & Up Turn MCSD: 40.50		39859.11	398+59		23.7	0.617		40.50	25.6	41.9	16.3	39.8
B192	Fld Bnd 8.63 deg. Right Turn MCSD: 40.23		40104.42	401+04		18.7	0.617		40.23	22.4	41.2	18.8	40.0
B193	Fld Bnd 6.29 deg. Right Turn MCSD: 40.46		40187.64	401+88		17.3	0.617		40.46	24.4	41.0	16.6	41.1
B194	Bend 43.9 deg. 3.0 Ds Up & Right Turn MCSD: 40.02	Before u/s w.: 0.9%(0.358) MCSD: 40.6 ID:40.8 mph:14.8 Clk:1 to 7 After d/s w. : 0.8%(0.336) MCSD: 40.5 ID:40.8 mph:13.0 Clk:5 to 11 MPH coming into Bend (-10ft): 15.2 Leaving Bend (+10ft): 14.5 Min MPH over range: 11.1 at index 5507739	40398.69	403+99		15.0	0.617		40.02	4.6	9.1	4.5	4.9
B195	Fld Bnd 10.72 deg. Left Turn MCSD: 40.54		41167.16	411+67		6.9	0.617		40.54	20.9	40.3	19.4	40.3
B196	Fld Bnd 11.43 deg. Left Turn MCSD: 40.31		41207.96	412+08		6.4	0.617		40.31	21.4	40.3	18.9	18.8
B197	Fld Bnd 12.41 deg. Left Turn MCSD: 40.29		41457.92	414+58		6.3	0.617		40.29	21.9	40.4	18.6	40.3
B198	Fld Bnd 12.77 deg. Left Turn MCSD: 40.26		41497.41	414+97		10.1	0.617		40.26	20.9	40.3	19.4	14.4
B199	Bend 60.3 deg. 3.0 Ds Up & Right Turn MCSD: 39.42	Before u/s w.: 0.4%(0.184) MCSD: 40.7 ID:40.8 mph:17.2 Clk:1 to 7 After d/s w. : 0.5%(0.201) MCSD: 40.4 ID:40.8 mph:19.8 Clk:1 to 7 MPH coming into Bend (-10ft): 17.2 Leaving Bend (+10ft): 21.2 Min MPH over range: 15.4 at index 5675103	41797.40	417+97		21.3	0.617		39.42	5.9	11.9	6.0	5.2
B200	Fld Bnd 11.21 deg. Left Turn MCSD: 40.20		42574.20	425+74		7.7	0.617		40.20	23.3	42.8	19.5	40.3
B201	Fld Bnd 11.75 deg. Left Turn MCSD: 40.40		42615.84	426+16		12.5	0.617		40.40	22.2	40.3	18.1	42.9
B202	Bend 53.9 deg. 3.0 Ds Right Turn MCSD: 39.36	Before u/s w.: 0.7%(0.297) MCSD: 40.6 ID:40.8 mph:19.8 Clk:2 to 8 After d/s w. : 0.4%(0.148) MCSD: 40.5 ID:40.8 mph:21.5 Clk:2 to 8 MPH coming into Bend (-10ft): 20.6 Leaving Bend (+10ft): 21.6 Min MPH over range: 17.9 at index 5807595	42900.93	429+01		22.1	0.617		39.36	5.3	10.4	5.1	4.9
B203	Fld Bnd 8.31 deg. Right & Down Turn MCSD: 40.04		42958.26	429+58		21.8	0.617		40.04	18.4	42.8	24.4	43.1
B204	Fld Bnd 7.57 deg. Down & Left Turn MCSD: 40.43		43407.86	434+08		17.2	0.617		40.43	28.2	43.4	15.3	41.0
B205	Fld Bnd 8.61 deg. Left & Up Turn MCSD: 40.35		43523.18	435+23		18.6	0.617		40.35	19.0	43.3	24.4	20.2
B206	Fld Bnd 5.46 deg. Left Turn MCSD: 40.19		43586.17	435+86		15.5	0.617		40.19	18.4	41.0	22.5	41.3

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B207	Fld Bnd 12.07 deg. Left Turn MCSD: 40.45		43629.81	436+30		16.9	0.617		40.45	21.1	41.3	20.3	41.5
B208	Bend 19.2 deg. 3.0 Ds Right Turn MCSD: 40.13	Before u/s w.: 0.8%(0.353) MCSD: 40.5 ID:40.8 mph:14.6 Clk:4 to 10 After d/s w.: 0.6%(0.242) MCSD: 40.6 ID:40.8 mph:12.7 Clk:3 to 9 MPH coming into Bend (-10ft): 14.9 Leaving Bend (+10ft): 12.3 Min MPH over range: 9.9 at index 5923951	43865.38	438+65		15.2	0.617		40.13	2.2	4.5	2.2	5.0
B209	Bend 13.7 deg. 3.0 Ds Up Turn MCSD: 40.17	Before u/s w.: 0.5%(0.216) MCSD: 40.7 ID:40.8 mph:7.5 Clk:4 to 10 After d/s w.: 0.3%(0.128) MCSD: 40.8 ID:40.8 mph:2.3 Clk:4 to 10 MPH coming into Bend (-10ft): 8.7 Leaving Bend (+10ft): 7.4 Min MPH over range: 0.1 at index 5931935	43926.91	439+27		0.7	0.617		40.17	1.5	3.1	1.6	5.3
B210	Bend 20.7 deg. 3.0 Ds Right Turn MCSD: 39.80	Before u/s w.: 0.7%(0.312) MCSD: 40.6 ID:40.8 mph:11.2 Clk:1 to 7 After d/s w.: 0.9%(0.361) MCSD: 40.5 ID:40.8 mph:9.1 Clk:6 to 12 MPH coming into Bend (-10ft): 11.3 Leaving Bend (+10ft): 12.1 Min MPH over range: 7.8 at index 5939818	43997.72	439+98		10.5	0.617		39.80	2.1	4.3	2.2	5.0
B211	Fld Bnd 5.75 deg. Right Turn MCSD: 40.35		44024.72	440+25		13.2	0.617		40.35	19.8	42.4	22.5	42.3
B212	Fld Bnd 11.55 deg. Right Turn MCSD: 40.39		44983.44	449+83		15.6	0.617		40.39	21.9	41.4	19.5	26.2
B213	Fld Bnd 11.48 deg. Left & Up Turn MCSD: 40.32		45377.71	453+78		32.7	0.617		40.32	21.6	42.8	21.2	39.8
B214	Fld Bnd 8.36 deg. Left & Up Turn MCSD: 40.51		45460.93	454+61		32.4	0.617		40.51	22.2	40.0	17.8	42.1
B215	Fld Bnd 11.26 deg. Left Turn MCSD: 40.23		45893.75	458+94		17.1	0.617		40.23	22.1	41.5	19.4	42.2
B216	Fld Bnd 13.08 deg. Left Turn MCSD: 40.35		45936.07	459+36		18.6	0.617		40.35	22.9	42.2	19.3	11.9
B217	Bend 27.76 deg. 3.0 Ds Left & Up Turn MCSD: 39.57	Before u/s w.: 0.6%(0.255) MCSD: 40.6 ID:40.8 mph:20.7 Clk:4 to 10 After d/s w.: 0.4%(0.178) MCSD: 40.6 ID:40.8 mph:19.3 Clk:1 to 7 MPH coming into Bend (-10ft): 19.5 Leaving Bend (+10ft): 20.4 Min MPH over range: 18.6 at index 6176838	45980.58	459+81		24.4	0.617		39.57	2.9	5.9	3.0	5.2
B218	Fld Bnd 9.53 deg. Right Turn MCSD: 40.10		46120.32	461+20		24.4	0.617		40.10	19.5	40.9	21.4	39.7
B219	Fld Bnd 8.97 deg. Right Turn MCSD: 40.36		46201.19	462+01		25.4	0.617		40.36	19.8	40.9	21.2	39.7
B220	Fld Bnd 7.47 deg. Up & Right Turn MCSD: 40.55		46542.16	465+42		16.6	0.617		40.55	21.6	40.1	18.5	42.8
B221	Bend 34.0 deg. 3.0 Ds Right Turn MCSD: 40.34	Before u/s w.: 0.6%(0.260) MCSD: 40.6 ID:40.8 mph:10.4 Clk:2 to 8 After d/s w.: 0.5%(0.228) MCSD: 40.6 ID:40.8 mph:10.9 Clk:1 to 7 MPH coming into Bend (-10ft): 10.2 Leaving Bend (+10ft): 12.3 Min MPH over range: 8.2 at index 6261804	46681.47	466+81		11.9	0.617		40.34	3.5	6.8	3.4	5.0

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B222	Bend 54.0 deg. 3.0 Ds Left Turn MCSD: 39.35	Before u/s w.: 0.6%(0.264) MCSD: 40.6 ID:40.8 mph:19.5 Clk:4 to 10 After d/s w. : 0.5%(0.189) MCSD: 40.5 ID:40.8 mph:22.6 Clk:0 to 6 MPH coming into Bend (-10ft): 18.9 Leaving Bend (+10ft): 22.2 Min MPH over range: 16.2 at index 6278437	46808.82	468+09		22.5	0.617		39.35	5.5	10.8	5.3	4.8
B223	Fld Bnd 7.02 deg. Up & Right Turn MCSD: 40.43		46987.70	469+88		21.7	0.617		40.43	17.1	42.2	25.1	39.7
B224	Fld Bnd 8.86 deg. Left & Up Turn MCSD: 40.51		47254.12	472+54		13.7	0.617		40.51	17.5	43.5	26.0	42.5
B225	Fld Bnd 10.26 deg. Left & Up Turn MCSD: 40.59		47358.71	473+59		6.4	0.617		40.59	20.5	39.9	19.4	41.5
B226	Fld Bnd 10.11 deg. Right Turn MCSD: 40.41		47538.01	475+38		8.3	0.617		40.41	20.1	41.1	21.0	15.8
B227	Fld Bnd 6.76 deg. Right & Down Turn MCSD: 40.40		47596.16	475+96		11.7	0.617		40.40	21.3	40.8	19.5	42.9
B228	Fld Bnd 12.43 deg. Right & Down Turn MCSD: 40.39		47722.39	477+22		20.5	0.617		40.39	22.4	42.6	20.1	24.2
B229	Bend 26.9 deg. 3.0 Ds Up Turn MCSD: 39.47	Before u/s w.: 0.6%(0.269) MCSD: 40.5 ID:40.8 mph:25.2 Clk:1 to 7 After d/s w. : 0.9%(0.384) MCSD: 40.3 ID:40.8 mph:20.6 Clk:4 to 10 MPH coming into Bend (-10ft): 23.2 Leaving Bend (+10ft): 20.1 Min MPH over range: 18.2 at index 6401667	47838.27	478+38		22.3	0.617		39.47	2.7	5.6	2.8	5.2
B230	Bend 3.3 deg. 3.0 Ds Down Turn MCSD: 38.78	Before u/s w.: 2.3%(0.980) MCSD: 39.6 ID:40.5 mph:16.4 Clk:2 to 8 After d/s w. : 0.2%(0.088) MCSD: 40.8 ID:40.8 mph:19.9 Clk:2 to 8 MPH coming into Bend (-10ft): 20.8 Leaving Bend (+10ft): 20.2 Min MPH over range: 15.7 at index 6403170	47859.06	478+59		20.2	0.740		38.78	0.8	1.6	0.8	5.1
B231	Bend 28.6 deg. 3.0 Ds Left & Up Turn MCSD: 40.23	Before u/s w.: 0.5%(0.217) MCSD: 40.6 ID:40.8 mph:13.8 Clk:4 to 10 After d/s w. : 1.1%(0.449) MCSD: 40.4 ID:40.8 mph:15.0 Clk:5 to 11 MPH coming into Bend (-10ft): 12.0 Leaving Bend (+10ft): 13.8 Min MPH over range: 11.4 at index 6449716	48249.97	482+50		16.0	0.617		40.23	3.0	5.9	2.9	12.5
B232	Bend 59.9 deg. 3.0 Ds Right Turn MCSD: 39.56	Before u/s w.: 0.5%(0.220) MCSD: 40.7 ID:40.8 mph:20.7 Clk:6 to 12 After d/s w. : 0.5%(0.228) MCSD: 40.5 ID:40.8 mph:22.7 Clk:5 to 11 MPH coming into Bend (-10ft): 21.6 Leaving Bend (+10ft): 20.0 Min MPH over range: 16.4 at index 6486861	48561.84	485+62		23.1	0.617		39.56	5.8	11.6	5.8	11.8
B233	Fld Bnd 11.41 deg. Right & Down Turn MCSD: 39.57		48796.60	487+97		23.4	0.617		39.57	22.4	41.8	19.4	41.2
B234	Fld Bnd 5.28 deg. Left & Up Turn MCSD: 39.99		48873.63	488+74		23.5	0.617		39.99	16.4	43.4	27.0	41.1
B235	Fld Bnd 5.84 deg. Left & Up Turn MCSD: 40.40		48995.68	489+96		19.2	0.617		40.40	18.8	41.6	22.8	41.4
B236	Fld Bnd 7.19 deg. Left & Up Turn MCSD: 40.01		49103.79	491+04		16.1	0.617		40.01	21.0	43.0	22.0	41.3

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B237	Fld Bnd 6.18 deg. Left & Up Turn MCSD: 40.14		49202.76	492+03		0.1	0.617		40.14	17.3	42.1	24.7	21.7
B238	Bend 21.2 deg. 3.0 Ds Left Turn MCSD: 39.77	Before u/s w.: 1.0%(0.438) MCSD: 40.4 ID:40.8 mph:14.3 Clk:3 to 9 After d/s w.: 1.4%(0.587) MCSD: 40.3 ID:40.8 mph:13.5 Clk:3 to 9 MPH coming into Bend (-10ft): 13.2 Leaving Bend (+10ft): 14.3 Min MPH over range: 11.8 at index 6575858	49303.33	493+03		16.2	0.617		39.77	2.3	4.6	2.3	10.1
B239	Fld Bnd 12.62 deg. Left Turn MCSD: 40.25		49377.71	493+78		23.3	0.617		40.25	22.1	42.9	20.8	19.6
B240	Fld Bnd 9.81 deg. Left & Up Turn MCSD: 39.73		49544.81	495+45		30.2	0.617		39.73	22.7	43.3	20.7	40.6
B241	Fld Bnd 10.52 deg. Left & Up Turn MCSD: 40.13		49626.43	496+26		29.0	0.617		40.13	20.3	41.1	20.8	20.0
B242	Bend 71.7 deg. 3.0 Ds Right Turn MCSD: 39.95	Before u/s w.: 0.6%(0.244) MCSD: 40.7 ID:40.8 mph:12.7 Clk:2 to 8 After d/s w.: 0.4%(0.166) MCSD: 40.6 ID:40.8 mph:15.4 Clk:3 to 9 MPH coming into Bend (-10ft): 13.2 Leaving Bend (+10ft): 15.4 Min MPH over range: 9.8 at index 6663331	50031.24	500+31		14.3	0.617		39.95	7.5	15.0	7.4	4.6
B243	Fld Bnd 10.31 deg. Right Turn MCSD: 40.42		50195.42	501+95		24.6	0.617		40.42	26.3	41.8	15.5	41.5
B244	Fld Bnd 11.59 deg. Left Turn MCSD: 40.30		51070.40	510+70		7.3	0.617		40.30	20.4	40.4	20.0	41.6
B245	Bend 22.8 deg. 3.0 Ds Up Turn MCSD: 40.08	Before u/s w.: 0.3%(0.142) MCSD: 40.6 ID:40.5 mph:7.4 Clk:3 to 9 After d/s w.: 0.4%(0.159) MCSD: 40.5 ID:40.5 mph:1.7 Clk:4 to 10 MPH coming into Bend (-10ft): 6.1 Leaving Bend (+10ft): 3.2 Min MPH over range: 0.0 at index 6812484	51259.18	512+59		4.8	0.740		40.08	2.2	4.3	2.1	4.5
B246	Bend 19.5 deg. 3.0 Ds Down Turn MCSD: 40.10	Before u/s w.: 0.7%(0.297) MCSD: 40.4 ID:40.5 mph:0.7 Clk:4 to 10 After d/s w.: 0.3%(0.135) MCSD: 40.6 ID:40.5 mph:9.5 Clk:4 to 10 MPH coming into Bend (-10ft): 1.5 Leaving Bend (+10ft): 11.5 Min MPH over range: 0.0 at index 6812484	51272.46	512+72		7.1	0.740		40.10	2.2	4.2	2.0	4.7
B247	Bend 5.3 deg. 3.0 Ds Down Turn MCSD: 40.18	Before u/s w.: 0.9%(0.360) MCSD: 40.5 ID:40.8 mph:10.0 Clk:4 to 10 After d/s w.: 0.5%(0.229) MCSD: 40.7 ID:40.8 mph:9.7 Clk:4 to 10 MPH coming into Bend (-10ft): 10.0 Leaving Bend (+10ft): 10.6 Min MPH over range: 8.3 at index 6823509	51358.28	513+58		8.6	0.617		40.18	0.8	1.5	0.7	5.0
B248	Bend 12.6 deg. 3.0 Ds Up & Right Turn MCSD: 40.10	Before u/s w.: 0.5%(0.190) MCSD: 40.7 ID:40.8 mph:5.9 Clk:6 to 12 After d/s w.: 0.5%(0.220) MCSD: 40.7 ID:40.8 mph:0.1 Clk:5 to 11 MPH coming into Bend (-10ft): 6.5 Leaving Bend (+10ft): 0.2 Min MPH over range: 0.0 at index 6836292	51468.98	514+69		0.0	0.617		40.10	5.0	10.0	5.0	4.7

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B249	Bend 53.61 deg. 3.0 Ds Up Turn MCSD: 40.36	Before u/s w.: 0.7%(0.297) MCSD: 40.6 ID:40.8 mph:0.1 Clk:6 to 12 After d/s w.: 1.0%(0.437) MCSD: 40.5 ID:40.8 mph:0.1 Clk:4 to 10 MPH coming into Bend (-10ft): 0.1 Leaving Bend (+10ft): 0.8 Min MPH over range: 0.0 at index 6837461	51480.11	514+80		0.1	0.617		40.36	1.4	8.5	7.0	12.0
B250	Bend 10.1 deg. 3.0 Ds Down Turn MCSD: 39.78	Before u/s w.: 2.0%(0.829) MCSD: 39.8 ID:40.8 mph:5.4 Clk:3 to 9 After d/s w.: 0.2%(0.068) MCSD: 40.8 ID:40.8 mph:8.4 Clk:5 to 11 MPH coming into Bend (-10ft): 4.2 Leaving Bend (+10ft): 6.2 Min MPH over range: 1.6 at index 6840989	51512.26	515+12		5.7	0.617		39.78	1.6	3.2	1.6	14.7
B251	Bend 23.5 deg. 3.0 Ds Left & Up Turn MCSD: 39.58	Before u/s w.: 0.8%(0.318) MCSD: 40.5 ID:40.8 mph:21.0 Clk:6 to 12 After d/s w.: 1.0%(0.420) MCSD: 40.2 ID:40.8 mph:20.6 Clk:5 to 11 MPH coming into Bend (-10ft): 20.3 Leaving Bend (+10ft): 20.6 Min MPH over range: 16.9 at index 6879260	51819.38	518+19		21.5	0.617		39.58	2.4	4.8	2.4	4.8
B252	Fld Bnd 12.52 deg. Left Turn MCSD: 40.28		52028.18	520+28		16.2	0.617		40.28	23.1	43.9	20.9	28.0
B253	Fld Bnd 12.86 deg. Right Turn MCSD: 40.22		52203.51	522+04		19.7	0.617		40.22	20.3	41.2	20.9	18.8
B254	Bend 60.6 deg. 3.0 Ds Up & Right Turn MCSD: 39.23	Before u/s w.: 0.1%(0.030) MCSD: 40.8 ID:40.8 mph:23.1 Clk:2 to 8 After d/s w.: 0.8%(0.321) MCSD: 40.3 ID:40.8 mph:24.2 Clk:6 to 12 MPH coming into Bend (-10ft): 24.1 Leaving Bend (+10ft): 24.9 Min MPH over range: 19.8 at index 6939189	52331.12	523+31		27.8	0.617		39.23	5.5	11.0	5.5	8.7
B255	Fld Bnd 9.57 deg. Left & Up Turn MCSD: 40.14		52648.67	526+49		31.0	0.617		40.14	20.6	41.0	20.4	42.6
B256	Fld Bnd 8.83 deg. Right Turn MCSD: 40.21		52982.68	529+83		11.2	0.617		40.21	18.5	42.0	23.4	39.8
B257	Bend 76.3 deg. 3.0 Ds Left Turn MCSD: 39.55	Before u/s w.: 1.4%(0.603) MCSD: 40.3 ID:40.8 mph:13.9 Clk:0 to 6 After d/s w.: 1.5%(0.649) MCSD: 40.1 ID:40.8 mph:15.8 Clk:1 to 7 MPH coming into Bend (-10ft): 14.0 Leaving Bend (+10ft): 16.8 Min MPH over range: 13.6 at index 7049808	53247.51	532+48		14.5	0.617		39.55	7.3	14.7	7.3	6.4
B258	Bend 9.2 deg. 3.0 Ds Left & Up Turn MCSD: 39.66	Before u/s w.: 1.9%(0.785) MCSD: 39.8 ID:40.8 mph:20.0 Clk:4 to 10 After d/s w.: 0.6%(0.258) MCSD: 40.6 ID:40.8 mph:24.4 Clk:0 to 6 MPH coming into Bend (-10ft): 18.7 Leaving Bend (+10ft): 25.0 Min MPH over range: 16.1 at index 7053709	53278.01	532+78		20.1	0.617		39.66	1.8	3.6	1.8	9.9
B259	Fld Bnd 11.83 deg. Left & Up Turn MCSD: 38.75		53336.58	533+37		28.9	0.617		38.75	22.2	42.8	20.6	42.3
B260	Fld Bnd 5.82 deg. Left Turn MCSD: 40.52		53426.49	534+26		32.1	0.617		40.52	27.0	42.3	15.2	20.5

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B261	Bend 46.8 deg. 3.0 Ds Up & Right Turn MCSD: 38.28	Before u/s w.: 1.4%(0.603) MCSD: 40.2 ID:40.8 mph:26.7 Clk:5 to 11 After d/s w. : 0.7%(0.303) MCSD: 40.3 ID:40.8 mph:22.3 Clk:3 to 9 MPH coming into Bend (-10ft): 28.8 Leaving Bend (+10ft): 23.7 Min MPH over range: 19.6 at index 7092807	53601.45	536+01		22.8	0.617		38.28	3.9	7.8	3.8	5.7
B262	Fld Bnd 13.18 deg. Up & Right Turn MCSD: 40.31		53673.54	536+74		24.8	0.617		40.31	21.1	42.8	21.7	40.5
B263	Fld Bnd 9.28 deg. Right Turn MCSD: 39.85		53753.53	537+54		22.3	0.617		39.85	17.8	39.2	21.4	17.7
B264	Fld Bnd 8.68 deg. Right Turn MCSD: 40.28		53809.72	538+10		21.2	0.617		40.28	17.1	41.1	24.0	4.8
B265	Bend 45.9 deg. 3.0 Ds Left Turn MCSD: 39.76	Before u/s w.: 0.9%(0.368) MCSD: 40.5 ID:40.8 mph:21.8 Clk:0 to 6 After d/s w. : 0.9%(0.375) MCSD: 40.4 ID:40.8 mph:21.7 Clk:3 to 9 MPH coming into Bend (-10ft): 21.7 Leaving Bend (+10ft): 20.4 Min MPH over range: 18.3 at index 7120875	53843.61	538+44		23.5	0.617		39.76	5.0	10.1	5.0	9.4
B266	Bend 16.2 deg. 3.0 Ds Up Turn MCSD: 39.95	Before u/s w.: 0.6%(0.235) MCSD: 40.2 ID:40.5 mph:8.3 Clk:5 to 11 After d/s w. : 0.4%(0.170) MCSD: 40.5 ID:40.5 mph:0.1 Clk:1 to 7 MPH coming into Bend (-10ft): 1.8 Leaving Bend (+10ft): 0.1 Min MPH over range: 0.0 at index 7192594	54416.14	544+16		9.5	0.740		39.95	2.0	4.1	2.1	19.5
B267	Bend 30.1 deg. 3.0 Ds Up Turn MCSD: 40.12	Before u/s w.: 0.4%(0.148) MCSD: 40.6 ID:40.5 mph:0.0 Clk:5 to 11 After d/s w. : 0.3%(0.145) MCSD: 40.5 ID:40.5 mph:0.6 Clk:5 to 11 MPH coming into Bend (-10ft): 0.0 Leaving Bend (+10ft): 1.1 Min MPH over range: 0.0 at index 7193918	54452.80	544+53		0.4	0.740		40.12	3.6	7.0	3.4	13.2
B268	Bend 7.5 deg. 3.0 Ds Down Turn MCSD: 39.63	Before u/s w.: 0.4%(0.188) MCSD: 40.2 ID:40.3 mph:11.6 Clk:1 to 7 After d/s w. : 1.1%(0.452) MCSD: 39.9 ID:40.3 mph:12.7 Clk:1 to 7 MPH coming into Bend (-10ft): 10.0 Leaving Bend (+10ft): 14.5 Min MPH over range: 10.0 at index 7199974	54507.66	545+08		11.6	0.740		39.63	1.1	2.1	1.0	6.4
B269	Bend 21.6 deg. 3.0 Ds Up Turn MCSD: 39.17	Before u/s w.: 1.3%(0.539) MCSD: 39.9 ID:40.8 mph:21.0 Clk:0 to 6 After d/s w. : 1.0%(0.428) MCSD: 40.4 ID:40.8 mph:20.0 Clk:0 to 6 MPH coming into Bend (-10ft): 22.8 Leaving Bend (+10ft): 19.6 Min MPH over range: 18.6 at index 7231370	54753.77	547+54		22.0	0.617		39.17	2.0	3.9	1.9	11.1

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B270	Bend 12.8 deg. 3.0 Ds Up Turn MCSD: 39.47	Before u/s w.: 1.2%(0.515) MCSD: 40.3 ID:40.8 mph:18.1 Clk:3 to 9 After d/s w.: 0.7%(0.310) MCSD: 40.4 ID:40.8 mph:19.4 Clk:3 to 9 MPH coming into Bend (-10ft): 17.1 Leaving Bend (+10ft): 19.3 Min MPH over range: 13.1 at index 7252547	54934.76	549+35		19.2	0.617		39.47	1.8	3.6	1.8	7.2
B271	Bend 46.2 deg. 3.0 Ds Right Turn MCSD: 39.59	Before u/s w.: 0.9%(0.382) MCSD: 40.5 ID:40.8 mph:20.2 Clk:5 to 11 After d/s w.: 0.7%(0.282) MCSD: 40.5 ID:40.8 mph:22.4 Clk:4 to 10 MPH coming into Bend (-10ft): 18.8 Leaving Bend (+10ft): 20.2 Min MPH over range: 17.9 at index 7298498	55309.71	553+10		23.2	0.617		39.59	4.8	9.5	4.7	10.4
B272	Bend 43.8 deg. 3.0 Ds Left Turn MCSD: 38.88	Before u/s w.: 0.3%(0.124) MCSD: 40.7 ID:40.8 mph:26.5 Clk:5 to 11 After d/s w.: 1.4%(0.568) MCSD: 40.0 ID:40.8 mph:27.4 Clk:1 to 7 MPH coming into Bend (-10ft): 24.2 Leaving Bend (+10ft): 28.1 Min MPH over range: 23.9 at index 7307282	55393.18	553+93		28.4	0.617		38.88	4.1	8.1	4.1	5.0
B273	Fld Bnd 5.9 deg. Down & Left Turn MCSD: 40.16		55454.98	554+55		33.0	0.617		40.16	22.4	40.3	17.9	38.9
B274	Fld Bnd 13.63 deg. Up & Right Turn MCSD: 39.90		55690.01	556+90		31.1	0.617		39.90	21.7	41.1	19.4	30.1
B275	Fld Bnd 7.37 deg. Right Turn MCSD: 40.56		56213.61	562+14		14.0	0.617		40.56	20.7	41.3	20.6	41.4
B276	Fld Bnd 13.55 deg. Right Turn MCSD: 40.26		56254.98	562+55		10.7	0.617		40.26	20.8	41.4	20.6	40.6
B277	Bend 29.2 deg. 3.0 Ds Left Turn MCSD: 39.96	Before u/s w.: 0.7%(0.292) MCSD: 40.6 ID:40.8 mph:7.1 Clk:1 to 7 After d/s w.: 0.7%(0.300) MCSD: 40.6 ID:40.8 mph:0.7 Clk:1 to 7 MPH coming into Bend (-10ft): 5.7 Leaving Bend (+10ft): 6.7 Min MPH over range: 0.0 at index 7435482	56456.40	564+56		5.3	0.617		39.96	2.9	5.9	2.9	5.4
B278	Bend 29.4 deg. 3.0 Ds Right Turn MCSD: 39.14	Before u/s w.: 1.9%(0.816) MCSD: 40.0 ID:40.8 mph:10.9 Clk:3 to 9 After d/s w.: 2.1%(0.894) MCSD: 39.9 ID:40.8 mph:13.4 Clk:2 to 8 MPH coming into Bend (-10ft): 9.3 Leaving Bend (+10ft): 15.2 Min MPH over range: 9.3 at index 7517207	57151.53	571+52		14.5	0.617		39.14	2.9	5.8	2.9	5.2
B279	Fld Bnd 14.05 deg. Left & Up Turn MCSD: 40.15		57474.36	574+74		28.3	0.617		40.15	23.3	42.7	19.4	20.7
B280	Fld Bnd 13.85 deg. Left Turn MCSD: 40.12		57599.44	575+99		24.9	0.617		40.12	23.8	42.7	18.9	28.1
B281	Fld Bnd 5.82 deg. Left Turn MCSD: 40.50		57892.23	578+92		17.9	0.617		40.50	21.5	42.9	21.3	43.1
B282	Fld Bnd 13.03 deg. Right & Down Turn MCSD: 40.15		58221.22	582+21		12.0	0.617		40.15	15.1	36.1	21.0	41.1
B283	Fld Bnd 9.77 deg. Right Turn MCSD: 40.35		58261.22	582+61		17.2	0.617		40.35	19.0	41.1	22.1	41.6

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B284	Bend 42.2 deg. 3.0 Ds Left & Up Turn MCSD: 39.92	Before u/s w.: 0.5%(0.196) MCSD: 40.7 ID:40.8 mph:18.4 Clk:4 to 10 After d/s w. : 0.9%(0.383) MCSD: 40.4 ID:40.8 mph:16.2 Clk:5 to 11 MPH coming into Bend (-10ft): 18.3 Leaving Bend (+10ft): 17.0 Min MPH over range: 15.2 at index 7676438	58461.36	584+61		17.4	0.617		39.92	4.7	9.3	4.6	5.2
B285	Bend 36.0 deg. 3.0 Ds Left Turn MCSD: 40.21	Before u/s w.: 1.0%(0.428) MCSD: 40.5 ID:40.8 mph:8.1 Clk:4 to 10 After d/s w. : 1.2%(0.522) MCSD: 40.4 ID:40.8 mph:2.8 Clk:4 to 10 MPH coming into Bend (-10ft): 7.2 Leaving Bend (+10ft): 8.8 Min MPH over range: 0.1 at index 7735150	58951.62	589+52		6.3	0.617		40.21	3.7	7.4	3.7	5.1
B286	Fld Bnd 12.41 deg. Left Turn MCSD: 40.47		59091.59	590+92		1.9	0.617		40.47	19.9	40.5	20.5	42.8
B287	Fld Bnd 9.37 deg. Left Turn MCSD: 40.44		59187.57	591+88		9.6	0.617		40.44	18.6	42.9	24.2	43.7
B288	Fld Bnd 9.73 deg. Left Turn MCSD: 40.52		59229.53	592+30		5.7	0.617		40.52	17.7	43.7	26.0	42.5
B289	Fld Bnd 9.01 deg. Right Turn MCSD: 40.50		59390.75	593+91		1.0	0.617		40.50	20.4	42.2	21.8	40.4
B290	Fld Bnd 6.66 deg. Right Turn MCSD: 40.53		59433.30	594+33		4.7	0.617		40.53	20.7	40.4	19.7	42.0
B291	Bend 29.0 deg. 3.0 Ds Right Turn MCSD: 39.76	Before u/s w.: 1.1%(0.451) MCSD: 40.4 ID:40.8 mph:5.8 Clk:4 to 10 After d/s w. : 1.3%(0.552) MCSD: 40.3 ID:40.8 mph:3.9 Clk:4 to 10 MPH coming into Bend (-10ft): 6.2 Leaving Bend (+10ft): 3.7 Min MPH over range: 3.1 at index 7840297	59826.78	598+27		5.0	0.617		39.76	3.0	5.9	2.9	5.1
B292	Bend 35.95 deg. 3.0 Ds Right Turn MCSD: 40.33	Before u/s w.: 0.5%(0.215) MCSD: 40.7 ID:40.8 mph:7.7 Clk:4 to 10 After d/s w. : 0.3%(0.128) MCSD: 40.7 ID:40.8 mph:7.9 Clk:2 to 8 MPH coming into Bend (-10ft): 7.5 Leaving Bend (+10ft): 10.0 Min MPH over range: 6.5 at index 7850618	59927.06	599+27		8.0	0.617		40.33	3.5	7.2	3.6	5.0
B293	Fld Bnd 9.58 deg. Right Turn MCSD: 40.37		60320.70	603+21		6.2	0.617		40.37	21.9	42.5	20.6	42.8
B294	Fld Bnd 11.52 deg. Right Turn MCSD: 40.57		60361.28	603+61		4.9	0.617		40.57	20.0	42.8	22.8	42.2
B295	Bend 29.3 deg. 3.0 Ds Left Turn MCSD: 40.21	Before u/s w.: 0.9%(0.395) MCSD: 40.5 ID:40.8 mph:8.8 Clk:5 to 11 After d/s w. : 0.9%(0.358) MCSD: 40.5 ID:40.8 mph:4.5 Clk:5 to 11 MPH coming into Bend (-10ft): 8.0 Leaving Bend (+10ft): 7.5 Min MPH over range: 0.1 at index 7919571	60488.58	604+89		6.6	0.617		40.21	3.0	6.0	3.0	40.8
B296	Fld Bnd 11.17 deg. Left Turn MCSD: 40.39		60716.00	607+16		5.7	0.617		40.39	20.8	41.7	20.9	37.0
B297	Fld Bnd 7.16 deg. Down & Left Turn MCSD: 40.56		61433.75	614+34		6.7	0.617		40.56	26.4	43.3	16.9	40.1
B298	Fld Bnd 10.66 deg. Left Turn MCSD: 40.14		61779.53	617+80		6.2	0.617		40.14	20.5	42.2	21.8	40.0

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B299	Fld Bnd 8.14 deg. Right Turn MCSD: 40.44		62360.37	623+60		8.4	0.617		40.44	18.7	39.8	21.1	41.9
B300	Fld Bnd 9.6 deg. Right Turn MCSD: 36.53		62404.59	624+05		13.5	0.617		36.53	23.1	41.9	18.8	41.0
B301	Fld Bnd 6.24 deg. Down & Left Turn MCSD: 40.41		62631.81	626+32		8.1	0.617		40.41	20.0	40.0	20.0	39.6
B302	Bend 19.4 deg. 3.0 Ds Up Turn MCSD: 39.97	Before u/s w.: 0.5%(0.199) MCSD: 40.5 ID:40.5 mph:16.9 Clk:4 to 10 After d/s w. : 0.6%(0.238) MCSD: 40.4 ID:40.5 mph:14.3 Clk:4 to 10 MPH coming into Bend (-10ft): 16.7 Leaving Bend (+10ft): 13.3 Min MPH over range: 13.3 at index 8204363	62856.80	628+57		15.1	0.740		39.97	1.9	3.8	1.9	19.7
B303	Bend 10.1 deg. 3.0 Ds Up Turn MCSD: 39.78	Before u/s w.: 0.9%(0.357) MCSD: 40.3 ID:40.5 mph:13.8 Clk:3 to 9 After d/s w. : 0.6%(0.262) MCSD: 40.4 ID:40.5 mph:13.0 Clk:3 to 9 MPH coming into Bend (-10ft): 13.6 Leaving Bend (+10ft): 12.7 Min MPH over range: 11.2 at index 8206662	62888.87	628+89		12.1	0.740		39.78	1.3	2.6	1.3	8.4
B304	Fld Bnd 5.51 deg. Right Turn MCSD: 39.82		62916.92	629+17		11.2	0.740		39.82	18.3	39.4	21.1	9.6
B305	Bend 5.9 deg. 3.0 Ds Right & Down Turn MCSD: 39.58	Before u/s w.: 2.4%(0.993) MCSD: 39.6 ID:40.5 mph:11.8 Clk:4 to 10 After d/s w. : 0.6%(0.262) MCSD: 40.4 ID:40.5 mph:12.2 Clk:4 to 10 MPH coming into Bend (-10ft): 12.9 Leaving Bend (+10ft): 12.6 Min MPH over range: 10.5 at index 8215314	62960.50	629+60		11.6	0.740		39.58	0.9	1.9	0.9	4.9
B306	Bend 4.7 deg. 3.0 Ds Up Turn MCSD: 40.06	Before u/s w.: 0.7%(0.273) MCSD: 40.4 ID:40.5 mph:12.8 Clk:4 to 10 After d/s w. : 0.7%(0.293) MCSD: 40.4 ID:40.5 mph:10.7 Clk:4 to 10 MPH coming into Bend (-10ft): 10.8 Leaving Bend (+10ft): 6.6 Min MPH over range: 6.6 at index 8218331	62973.53	629+74		11.3	0.740		40.06	0.8	1.6	0.8	7.5
B307	Bend 36.0 deg. 3.0 Ds Right Turn MCSD: 39.79	Before u/s w.: 0.6%(0.264) MCSD: 40.5 ID:40.5 mph:3.8 Clk:4 to 10 After d/s w. : 0.7%(0.302) MCSD: 40.4 ID:40.5 mph:3.0 Clk:4 to 10 MPH coming into Bend (-10ft): 3.6 Leaving Bend (+10ft): 2.2 Min MPH over range: 2.2 at index 8230858	63077.96	630+78		3.5	0.740		39.79	3.4	6.7	3.4	5.2
B308	Bend 23.9 deg. 3.0 Ds Right Turn MCSD: 39.62	Before u/s w.: 0.7%(0.288) MCSD: 40.3 ID:40.5 mph:10.3 Clk:2 to 8 After d/s w. : 0.9%(0.390) MCSD: 40.3 ID:40.5 mph:11.5 Clk:1 to 7 MPH coming into Bend (-10ft): 10.1 Leaving Bend (+10ft): 11.4 Min MPH over range: 9.3 at index 8243515	63195.28	631+95		12.1	0.740		39.62	2.4	4.7	2.3	11.2

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B309	Bend 11.7 deg. 3.0 Ds Left & Up Turn MCSD: 39.49	Before u/s w.: 0.6%(0.262) MCSD: 40.4 ID:40.5 mph:20.8 Clk:1 to 7 After d/s w. : 0.9%(0.374) MCSD: 40.2 ID:40.5 mph:22.4 Clk:1 to 7 MPH coming into Bend (-10ft): 19.5 Leaving Bend (+10ft): 22.0 Min MPH over range: 17.9 at index 8255546	63297.31	632+97		23.0	0.740		39.49	2.2	3.9	1.6	9.9
B310	Bend 22.9 deg. 3.0 Ds Up Turn MCSD: 39.12	Before u/s w.: 0.2%(0.103) MCSD: 40.5 ID:40.5 mph:22.1 Clk:4 to 10 After d/s w. : 0.8%(0.329) MCSD: 40.3 ID:40.5 mph:21.1 Clk:4 to 10 MPH coming into Bend (-10ft): 23.3 Leaving Bend (+10ft): 21.7 Min MPH over range: 18.6 at index 8258386	63320.87	633+21		19.4	0.740		39.12	2.2	4.2	2.0	9.6
B311	Bend 38.0 deg. 3.0 Ds Left & Up Turn MCSD: 39.98	Before u/s w.: 0.6%(0.256) MCSD: 40.5 ID:40.5 mph:13.4 Clk:1 to 7 After d/s w. : 0.7%(0.302) MCSD: 40.4 ID:40.5 mph:7.4 Clk:1 to 7 MPH coming into Bend (-10ft): 13.9 Leaving Bend (+10ft): 0.3 Min MPH over range: 0.1 at index 8284999	63529.06	635+29		11.4	0.740		39.98	3.8	7.7	3.8	5.1
B312	Bend 22.85 deg. 3.0 Ds Down Turn MCSD: 39.79	Before u/s w.: 1.5%(0.634) MCSD: 40.2 ID:40.8 mph:15.3 Clk:2 to 8 After d/s w. : 1.0%(0.434) MCSD: 40.2 ID:40.8 mph:14.2 Clk:2 to 8 MPH coming into Bend (-10ft): 10.7 Leaving Bend (+10ft): 16.4 Min MPH over range: 9.9 at index 8295813	63636.57	636+37		15.3	0.617		39.79	1.7	3.8	2.1	5.1
B313	Bend 20.1 deg. 3.0 Ds Up Turn MCSD: 38.85	Before u/s w.: 1.0%(0.429) MCSD: 40.1 ID:40.8 mph:22.9 Clk:1 to 7 After d/s w. : 1.2%(0.483) MCSD: 40.4 ID:40.8 mph:19.3 Clk:1 to 7 MPH coming into Bend (-10ft): 21.7 Leaving Bend (+10ft): 18.7 Min MPH over range: 16.9 at index 8312227	63765.17	637+65		22.9	0.617		38.85	1.4	2.8	1.4	5.2
B314	Bend 33.0 deg. 3.0 Ds Left Turn MCSD: 39.97	Before u/s w.: 1.3%(0.558) MCSD: 40.4 ID:40.8 mph:3.3 Clk:6 to 12 After d/s w. : 0.9%(0.369) MCSD: 40.5 ID:40.8 mph:5.2 Clk:6 to 12 MPH coming into Bend (-10ft): 2.6 Leaving Bend (+10ft): 4.4 Min MPH over range: 2.4 at index 8330252	63911.30	639+11		3.1	0.617		39.97	3.5	7.0	3.5	5.1
B315	Fld Bnd 8.99 deg. Left Turn MCSD: 40.46		64276.08	642+76		7.2	0.617		40.46	20.4	43.0	22.6	40.1
B316	Fld Bnd 6.63 deg. Left Turn MCSD: 40.26		64862.93	648+63		18.7	0.617		40.26	26.0	40.1	14.2	20.3
B317	Fld Bnd 5.15 deg. Right & Down Turn MCSD: 39.70		65555.55	655+56		6.0	0.617		39.70	14.6	41.8	27.3	36.8

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B318	Bend 91.3 deg. 3.0 Ds Right Turn MCSD: 39.32	Before u/s w.: 0.8%(0.345) MCSD: 40.6 ID:40.8 mph:10.9 Clk:1 to 7 After d/s w.: 1.8%(0.767) MCSD: 40.1 ID:40.8 mph:14.7 Clk:2 to 8 MPH coming into Bend (-10ft): 12.0 Leaving Bend (+10ft): 14.5 Min MPH over range: 8.3 at index 8535347	65633.70	656+34		12.6	0.617		39.32	8.9	17.8	8.8	9.0
B319	Bend 33.6 deg. 3.0 Ds Left & Up Turn MCSD: 40.29	Before u/s w.: 0.6%(0.263) MCSD: 40.7 ID:40.8 mph:12.7 Clk:2 to 8 After d/s w.: 1.2%(0.513) MCSD: 40.4 ID:40.8 mph:12.4 Clk:3 to 9 MPH coming into Bend (-10ft): 11.3 Leaving Bend (+10ft): 12.7 Min MPH over range: 11.3 at index 8575738	65971.43	659+71		12.5	0.617		40.29	3.4	7.4	4.0	5.1
B320	Fld Bnd 7.7 deg. Left Turn MCSD: 40.25		66278.51	662+79		6.6	0.617		40.25	19.5	40.3	20.8	39.9
B321	Fld Bnd 12.19 deg. Left Turn MCSD: 40.12		66908.55	669+09		3.9	0.617		40.12	22.3	42.8	20.5	41.7
B322	Fld Bnd 5.87 deg. Right Turn MCSD: 40.40		67502.96	675+03		9.7	0.617		40.40	28.0	41.5	13.5	39.9
B323	Fld Bnd 12.61 deg. Right Turn MCSD: 40.18		67809.67	678+10		8.2	0.617		40.18	22.5	41.5	19.1	37.4
B324	Bend 19.2 deg. 3.0 Ds Left Turn MCSD: 39.90	Before u/s w.: 0.8%(0.341) MCSD: 40.5 ID:40.8 mph:6.7 Clk:1 to 7 After d/s w.: 1.3%(0.539) MCSD: 40.4 ID:40.8 mph:10.8 Clk:2 to 8 MPH coming into Bend (-10ft): 9.0 Leaving Bend (+10ft): 14.8 Min MPH over range: 0.1 at index 8835198	68126.22	681+26		4.4	0.617		39.90	2.2	4.5	2.4	5.1
B325	Fld Bnd 10.84 deg. Left Turn MCSD: 40.24		68323.46	683+23		6.5	0.617		40.24	20.7	42.8	22.1	41.5
B326	Bend 50.0 deg. 3.0 Ds Right Turn MCSD: 40.29	Before u/s w.: 0.9%(0.372) MCSD: 40.6 ID:40.8 mph:5.7 Clk:5 to 11 After d/s w.: 0.9%(0.368) MCSD: 40.6 ID:40.8 mph:6.9 Clk:5 to 11 MPH coming into Bend (-10ft): 4.9 Leaving Bend (+10ft): 7.0 Min MPH over range: 4.4 at index 8882062	68520.12	685+20		6.6	0.617		40.29	5.1	10.1	5.0	5.4
B327	Fld Bnd 10.54 deg. Down & Left Turn MCSD: 40.35		68729.75	687+30		7.8	0.617		40.35	19.7	43.5	23.8	43.3
B328	Fld Bnd 12.93 deg. Left Turn MCSD: 40.31		68775.84	687+76		6.1	0.617		40.31	22.2	43.3	21.0	43.2
B329	Fld Bnd 6.23 deg. Left & Up Turn MCSD: 40.49		68868.50	688+69		10.5	0.617		40.49	28.5	42.8	14.4	39.4
B330	Bend 15.8 deg. 3.0 Ds Up Turn MCSD: 39.91	Before u/s w.: 0.7%(0.301) MCSD: 40.2 ID:40.3 mph:15.0 Clk:2 to 8 After d/s w.: 0.7%(0.288) MCSD: 40.1 ID:40.2 mph:11.2 Clk:4 to 10 MPH coming into Bend (-10ft): 14.0 Leaving Bend (+10ft): 10.7 Min MPH over range: 10.0 at index 8940373	68993.23	689+93		13.3	0.740		39.91	1.8	3.6	1.8	3.0
B331	Fld Bnd 5.51 deg. Down & Left Turn MCSD: 39.78		69086.05	690+86		11.9	0.864		39.78	23.2	38.7	15.4	25.7

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B332	Bend 28.1 deg. 3.0 Ds Right & Down Turn MCSD: 39.53	Before u/s w.: 1.2%(0.515) MCSD: 40.0 ID:40.3 mph:6.7 Clk:2 to 8 After d/s w. : 1.0%(0.409) MCSD: 40.0 ID:40.3 mph:5.6 Clk:3 to 9 MPH coming into Bend (-10ft): 6.1 Leaving Bend (+10ft): 10.3 Min MPH over range: 2.2 at index 8955560	69130.00	691+30		5.0	0.888		39.53	2.7	5.5	2.8	5.9
B333	Bend 34.5 deg. 3.0 Ds Up Turn MCSD: 39.44	Before u/s w.: 1.5%(0.638) MCSD: 39.8 ID:40.3 mph:9.5 Clk:4 to 10 After d/s w. : 1.5%(0.615) MCSD: 39.8 ID:40.3 mph:8.4 Clk:4 to 10 MPH coming into Bend (-10ft): 10.7 Leaving Bend (+10ft): 13.1 Min MPH over range: 0.5 at index 8961894	69181.92	691+82		4.1	0.864		39.44	3.2	6.5	3.2	6.5
B334	Bend 15.8 deg. 3.0 Ds Left Turn MCSD: 39.71	Before u/s w.: 0.8%(0.326) MCSD: 40.1 ID:40.3 mph:10.7 Clk:3 to 9 After d/s w. : 1.1%(0.482) MCSD: 40.0 ID:40.3 mph:9.9 Clk:4 to 10 MPH coming into Bend (-10ft): 11.5 Leaving Bend (+10ft): 7.8 Min MPH over range: 7.8 at index 8973780	69268.90	692+69		10.9	0.888		39.71	1.9	3.8	1.9	19.4
B335	Bend 91.0 deg. 3.0 Ds Left Turn MCSD: 40.01	Before u/s w.: 0.4%(0.165) MCSD: 40.5 ID:40.5 mph:4.0 Clk:2 to 8 After d/s w. : 1.0%(0.440) MCSD: 40.3 ID:40.8 mph:7.3 Clk:1 to 7 MPH coming into Bend (-10ft): 3.9 Leaving Bend (+10ft): 7.3 Min MPH over range: 2.4 at index 9036015	69807.27	698+07		7.3	0.617		40.01	8.8	17.7	8.9	3.2
B336	Bend 18.9 deg. 3.0 Ds Down Turn MCSD: 39.99	Before u/s w.: 1.3%(0.566) MCSD: 40.3 ID:40.8 mph:6.2 Clk:2 to 8 After d/s w. : 0.9%(0.383) MCSD: 40.5 ID:40.8 mph:4.6 Clk:1 to 7 MPH coming into Bend (-10ft): 6.4 Leaving Bend (+10ft): 3.7 Min MPH over range: 3.7 at index 9041351	69831.85	698+32		5.9	0.617		39.99	2.1	4.2	2.1	5.0



Bend Index

CUSTOMER/CONTRACTOR	EQT / Precison Pipeline	PIPE DIAMETER	42.00 in
CUSTOMER LINE ID	EQT (MVP) – Spread C – Test Section 5	WALL THICKNESS	.617 in
JOB NUMBER	B20-749L	PRODUCT	Air - 12,400 CFM - 30 PSI
LAUNCH STATION	Lost Run Rd	RUN DATE	6-Feb-2024
	Cowen, WV	FIELD ENGINEER	Trent Hill
RECEIVE STATION	Houston Run	CHART ANALYST	Trent Hill
	Webster Springs, WV	REPORT DATE	02/06/2024
PIPELINE LENGTH	9.02 mi	ISSUE #	1

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B1	Bend 45.52 deg. 3.0 Ds Down & Left Turn MCSD: 39.73	Before u/s w.: 0.4%(0.178) MCSD: 40.4 ID:40.5 mph:1.9 Clk:2 to 8 After d/s w. : 0.5%(0.223) MCSD: 40.4 ID:40.5 mph:4.3 Clk:3 to 9 MPH coming into Bend (-10ft): 1.3 Leaving Bend (+10ft): 4.3 Min MPH over range: 1.1 at index 966052	6.62	5222+35		4.2	0.740		39.73	4.2	8.4	4.2	5.2
B2	Bend 43.72 deg. 3.0 Ds Up Turn MCSD: 39.54	Before u/s w.: 0.5%(0.220) MCSD: 40.4 ID:40.5 mph:3.9 Clk:3 to 9 After d/s w. : 0.4%(0.162) MCSD: 40.5 ID:40.5 mph:3.3 Clk:3 to 9 MPH coming into Bend (-10ft): 4.3 Leaving Bend (+10ft): 3.4 Min MPH over range: 2.8 at index 969032	23.47	5222+19		3.1	0.740		39.54	3.9	7.8	3.9	3.9
B3	Fld Bnd 5.08 deg. Left Turn MCSD: 40.00		60.30	5221+82		3.9	0.740		40.00	14.0	40.3	26.3	25.1
B4	Fld Bnd 5.36 deg. Right & Down Turn MCSD: 40.23		226.67	5220+15		2.8	0.740		40.23	20.8	40.6	19.8	26.6
B5	Bend 22.37 deg. 3.0 Ds Down Turn MCSD: 39.20	Before u/s w.: 1.6%(0.691) MCSD: 39.8 ID:40.5 mph:3.8 Clk:3 to 9 After d/s w. : 1.7%(0.699) MCSD: 39.9 ID:40.5 mph:10.7 Clk:3 to 9 MPH coming into Bend (-10ft): 3.8 Leaving Bend (+10ft): 12.0 Min MPH over range: 3.4 at index 1031658	549.72	5216+92		9.9	0.740		39.20	2.1	4.2	2.1	21.6

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCS	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B6	Bend 22.53 deg. 3.0 Ds Up Turn MCS: 40.01	Before u/s w.: 0.2%(0.102) MCS: 40.4 ID:40.5 mph:5.2 Clk:6 to 12 After d/s w. : 0.3%(0.114) MCS: 40.5 ID:40.5 mph:4.2 Clk:1 to 7 MPH coming into Bend (-10ft): 10.3 Leaving Bend (+10ft): 5.7 Min MPH over range: 0.4 at index 1035248	575.45	5216+67		1.3	0.740		40.01	2.0	4.0	2.0	2.6
B7	Fld Bnd 7.83 deg. Left & Up Turn MCS: 39.75		636.35	5216+06		4.8	0.740		39.75	16.3	35.3	19.0	29.1
B8	Fld Bnd 6.18 deg. Right & Down Turn MCS: 40.05		671.35	5215+71		3.7	0.740		40.05	16.0	29.1	13.1	39.2
B9	Bend 29.09 deg. 3.0 Ds Up & Right Turn MCS: 39.21	Before u/s w.: 0.8%(0.317) MCS: 40.2 ID:40.5 mph:5.2 Clk:3 to 9 After d/s w. : 1.1%(0.449) MCS: 40.1 ID:40.5 mph:3.7 Clk:3 to 9 MPH coming into Bend (-10ft): 0.7 Leaving Bend (+10ft): 10.0 Min MPH over range: 0.5 at index 1066926	836.88	5214+05		2.7	0.740		39.21	2.4	4.8	2.4	2.6
B10	Fld Bnd 8.08 deg. Right Turn MCS: 39.90		860.48	5213+82		8.5	0.740		39.90	18.6	34.0	15.4	40.6
B11	Fld Bnd 13.94 deg. Right & Down Turn MCS: 39.72		894.40	5213+48		2.7	0.740		39.72	18.5	40.6	22.1	40.5
B12	Fld Bnd 12.68 deg. Right Turn MCS: 39.75		935.42	5213+07		5.7	0.740		39.75	18.9	40.5	21.6	38.4
B13	Bend 49.66 deg. 3.0 Ds Left Turn MCS: 39.76	Before u/s w.: 0.3%(0.130) MCS: 40.4 ID:40.5 mph:2.0 Clk:3 to 9 After d/s w. : 0.6%(0.254) MCS: 40.4 ID:40.5 mph:4.7 Clk:2 to 8 MPH coming into Bend (-10ft): 2.3 Leaving Bend (+10ft): 3.4 Min MPH over range: 1.8 at index 1089852	1036.86	5212+05		3.0	0.740		39.76	4.4	8.7	4.4	2.4
B14	Fld Bnd 10.09 deg. Down & Left Turn MCS: 40.12		1176.57	5210+65		4.0	0.740		40.12	22.8	40.6	17.8	40.3
B15	Fld Bnd 9.9 deg. Up & Right Turn MCS: 40.14		1950.11	5202+92		2.4	0.617		40.14	18.6	41.7	23.1	40.4
B16	Fld Bnd 7.21 deg. Right Turn MCS: 40.06		1988.88	5202+53		4.4	0.617		40.06	15.7	40.4	24.7	40.6
B17	Fld Bnd 12.92 deg. Left Turn MCS: 40.21		2073.62	5201+68		2.8	0.617		40.21	19.4	42.9	23.4	42.1
B18	Fld Bnd 9.54 deg. Left Turn MCS: 40.13		2170.74	5200+71		2.4	0.617		40.13	21.5	41.6	20.0	40.2
B19	Fld Bnd 9.62 deg. Left Turn MCS: 40.34		2213.41	5200+29		3.9	0.617		40.34	22.6	40.2	17.6	41.2

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCS D	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B20	Bend 53.55 deg. 3.0 Ds Right Turn MCS D: 39.76	Before u/s w.: 0.8%(0.321) MCS D: 40.3 ID:40.5 mph:3.3 Clk:2 to 8 After d/s w. : 0.6%(0.252) MCS D: 40.5 ID:40.8 mph:2.5 Clk:3 to 9 MPH coming into Bend (-10ft): 3.3 Leaving Bend (+10ft): 6.2 Min MPH over range: 0.4 at index 1277873	2595.74	5196+46		0.7	0.740		39.76	5.1	10.3	5.1	5.3
B21	Fld Bnd 6.1 deg. Right & Down Turn MCS D: 39.79		2663.02	5195+79		9.2	0.617		39.79	17.4	38.8	21.3	43.0
B22	Fld Bnd 8.56 deg. Right Turn MCS D: 39.93		2704.16	5195+38		2.2	0.617		39.93	19.8	43.0	23.2	36.5
B23	Fld Bnd 6.68 deg. Left Turn MCS D: 40.35		2842.81	5193+99		2.8	0.617		40.35	16.0	39.7	23.7	28.5
B24	Fld Bnd 8.95 deg. Right Turn MCS D: 40.02		3179.48	5190+63		5.3	0.617		40.02	20.6	38.3	17.6	38.2
B25	Fld Bnd 9.14 deg. Right Turn MCS D: 39.82		3218.29	5190+24		3.0	0.617		39.82	21.2	38.2	17.0	36.1
B26	Fld Bnd 9.98 deg. Right Turn MCS D: 39.86		3290.61	5189+51		2.3	0.617		39.86	19.2	38.5	19.3	42.7
B27	Fld Bnd 10.35 deg. Right Turn MCS D: 40.09		3329.40	5189+13		5.0	0.617		40.09	19.5	42.7	23.2	42.8
B28	Fld Bnd 12.44 deg. Left Turn MCS D: 40.32		3711.28	5185+31		2.1	0.617		40.32	21.7	42.8	21.1	42.7
B29	Fld Bnd 12.68 deg. Left Turn MCS D: 40.29		3755.05	5184+87		4.3	0.617		40.29	22.7	42.7	20.0	12.8
B30	Bend 59.86 deg. 3.0 Ds Left Turn MCS D: 38.69	Before u/s w.: 0.8%(0.318) MCS D: 40.4 ID:40.8 mph:3.9 Clk:5 to 11 After d/s w. : 0.7%(0.294) MCS D: 40.3 ID:40.8 mph:5.4 Clk:5 to 11 MPH coming into Bend (-10ft): 2.8 Leaving Bend (+10ft): 6.3 Min MPH over range: 2.7 at index 1420231	3793.35	5184+49		4.7	0.740		38.69	5.5	11.1	5.5	2.3
B31	Fld Bnd 7.58 deg. Right Turn MCS D: 39.93		4291.33	5179+51		3.8	0.740		39.93	19.7	40.2	20.4	40.6
B32	Fld Bnd 10.88 deg. Right Turn MCS D: 39.56		4334.42	5179+08		4.8	0.740		39.56	22.6	40.6	18.0	13.7
B33	Fld Bnd 7.02 deg. Right Turn MCS D: 39.82		4973.82	5172+68		0.8	0.740		39.82	16.1	40.2	24.1	19.9
B34	Fld Bnd 8.39 deg. Right Turn MCS D: 39.66		5363.45	5168+79		2.7	0.740		39.66	22.9	40.2	17.3	40.1

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B35	Bend 24.86 deg. 3.0 Ds Left Turn MCSD: 38.76	Before u/s w.: 1.8%(0.745) MCSD: 39.7 ID:40.5 mph:4.7 Clk:2 to 8 After d/s w. : 2.0%(0.953) MCSD: 39.5 ID:40.5 mph:6.6 Clk:3 to 9 MPH coming into Bend (-10ft): 5.5 Leaving Bend (+10ft): 7.9 Min MPH over range: 4.3 at index 1633800	5567.25	5166+75		6.4	0.740		38.76	2.2	4.4	2.2	2.1
B36	Bend 14.52 deg. 3.0 Ds Up Turn MCSD: 39.26	Before u/s w.: 1.3%(0.559) MCSD: 39.9 ID:40.5 mph:1.2 Clk:2 to 8 After d/s w. : 1.2%(0.496) MCSD: 40.0 ID:40.5 mph:2.4 Clk:2 to 8 MPH coming into Bend (-10ft): 3.0 Leaving Bend (+10ft): 2.1 Min MPH over range: 0.3 at index 1643431	5645.47	5165+97		2.3	0.740		39.26	1.3	2.6	1.3	2.4
B37	Fld Bnd 10.95 deg. Left Turn MCSD: 39.62		6095.97	5161+46		5.8	0.740		39.62	21.6	40.8	19.2	40.4
B38	Fld Bnd 7.35 deg. Left Turn MCSD: 39.91		6584.15	5156+58		7.1	0.740		39.91	14.8	40.5	25.7	17.7
B39	Fld Bnd 6.12 deg. Left Turn MCSD: 39.58		6943.47	5152+99		3.6	0.740		39.58	25.1	40.5	15.4	39.8
B40	Fld Bnd 9.96 deg. Right Turn MCSD: 40.00		7243.22	5149+99		5.1	0.740		40.00	18.2	40.1	21.9	40.5
B41	Fld Bnd 11.82 deg. Right Turn MCSD: 40.09		7284.61	5149+57		8.3	0.740		40.09	19.5	40.5	21.0	36.5
B42	Fld Bnd 11.96 deg. Right Turn MCSD: 39.53		7440.73	5148+01		3.9	0.740		39.53	20.3	40.3	20.0	40.2
B43	Fld Bnd 7.05 deg. Right Turn MCSD: 39.72		7483.67	5147+58		6.1	0.740		39.72	22.9	40.2	17.2	38.4
B44	Fld Bnd 10.42 deg. Right Turn MCSD: 39.93		7653.18	5145+89		2.5	0.617		39.93	17.5	42.6	25.1	43.7
B45	Fld Bnd 7.84 deg. Right Turn MCSD: 39.46		7696.29	5145+46		5.7	0.617		39.46	18.0	43.7	25.7	32.5
B46	Bend 31.0 deg. 3.0 Ds Right Turn MCSD: 39.96	Before u/s w.: 0.8%(0.331) MCSD: 40.3 ID:40.8 mph:6.8 Clk:2 to 8 After d/s w. : 0.5%(0.190) MCSD: 40.5 ID:40.8 mph:7.6 Clk:3 to 9 MPH coming into Bend (-10ft): 8.3 Leaving Bend (+10ft): 9.3 Min MPH over range: 6.3 at index 1911204	7878.32	5143+64		9.2	0.740		39.96	2.8	5.6	2.8	2.5

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCS D	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B47	Bend 34.36 deg. 3.0 Ds Left Turn MCS D: 40.03	Before u/s w.: 0.2%(0.069) MCS D: 40.5 ID:40.5 mph:4.3 Clk:4 to 10 After d/s w. : 0.2%(0.102) MCS D: 40.6 ID:40.8 mph:7.2 Clk:6 to 12 MPH coming into Bend (-10ft): 4.6 Leaving Bend (+10ft): 6.6 Min MPH over range: 4.2 at index 1944661	8158.43	5140+84		8.5	0.740		40.03	3.5	7.0	3.5	2.4
B48	Fld Bnd 3.3 deg. Left Turn MCS D: 40.45		8599.20	5136+43		4.1	0.617		40.45	20.3	43.1	22.8	40.6
B49	Fld Bnd 4.2 deg. Up Turn MCS D: 39.60		8688.36	5135+54		3.2	0.617		39.60	25.7	41.3	15.6	40.9
B50	Fld Bnd 13.1 deg. Up Turn MCS D: 40.23		8765.32	5134+77		4.6	0.617		40.23	20.4	43.0	22.6	42.1
B51	Fld Bnd 8.04 deg. Left Turn MCS D: 40.10		8815.01	5134+27		4.7	0.617		40.10	27.0	42.1	15.1	41.2
B52	Fld Bnd 11.01 deg. Right Turn MCS D: 39.71		8905.60	5133+36		4.3	0.617		39.71	19.0	43.0	24.0	40.0
B53	Fld Bnd 11.57 deg. Right & Down Turn MCS D: 39.72		8947.09	5132+95		5.2	0.617		39.72	17.5	40.0	22.5	40.0
B54	Fld Bnd 8.06 deg. Right Turn MCS D: 39.99		8992.26	5132+50		6.0	0.617		39.99	22.7	40.0	17.3	41.2
B55	Fld Bnd 7.1 deg. Left Turn MCS D: 40.03		9079.60	5131+62		4.9	0.617		40.03	24.0	41.2	17.2	41.1
B56	Fld Bnd 7.24 deg. Left Turn MCS D: 40.40		9120.38	5131+22		3.6	0.617		40.40	23.5	41.1	17.5	41.2
B57	Bend 34.64 deg. 3.0 Ds Left Turn MCS D: 39.42	Before u/s w.: 1.0%(0.421) MCS D: 40.2 ID:40.8 mph:4.8 Clk:4 to 10 After d/s w. : 0.8%(0.335) MCS D: 40.4 ID:40.8 mph:4.5 Clk:4 to 10 MPH coming into Bend (-10ft): 4.7 Leaving Bend (+10ft): 7.0 Min MPH over range: 4.4 at index 2069211	9185.60	5130+56		7.2	0.740		39.42	3.7	7.4	3.7	12.6
B58	Fld Bnd 10.78 deg. Right & Down Turn MCS D: 39.69		9473.47	5127+69		8.7	0.617		39.69	22.5	41.6	19.0	13.8
B59	Fld Bnd 11.05 deg. Right & Down Turn MCS D: 39.80		9526.32	5127+16		8.2	0.617		39.80	20.0	42.8	22.8	36.6
B60	Fld Bnd 11.55 deg. Left Turn MCS D: 39.72		9647.59	5125+94		3.3	0.617		39.72	20.7	41.6	20.9	41.5
B61	Fld Bnd 12.25 deg. Left Turn MCS D: 40.06		9739.22	5125+03		5.1	0.617		40.06	19.1	41.6	22.6	27.8
B62	Fld Bnd 11.59 deg. Right Turn MCS D: 40.00		10179.59	5120+62		4.5	0.617		40.00	23.5	42.3	18.8	41.1
B63	Fld Bnd 12.37 deg. Left Turn MCS D: 40.34		10634.66	5116+07		6.6	0.617		40.34	18.8	41.7	22.8	40.9
B64	Fld Bnd 12.01 deg. Left Turn MCS D: 40.05		10676.68	5115+65		7.5	0.617		40.05	19.2	40.9	21.7	14.7

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B65	Bend 58.01 deg. 3.0 Ds Right Turn MCSD: 40.06	Before u/s w.: 0.4%(0.172) MCSD: 40.6 ID:40.8 mph:7.7 Clk:2 to 8 After d/s w. : 0.6%(0.266) MCSD: 40.4 ID:40.8 mph:9.5 Clk:4 to 10 MPH coming into Bend (-10ft): 7.8 Leaving Bend (+10ft): 9.7 Min MPH over range: 6.4 at index 2257000	10762.72	5114+79		8.4	0.740		40.06	5.5	11.0	5.5	2.0
B66	Bend 36.05 deg. 3.0 Ds Right Turn MCSD: 39.82	Before u/s w.: 1.1%(0.476) MCSD: 40.3 ID:40.8 mph:8.0 Clk:2 to 8 After d/s w. : 0.6%(0.243) MCSD: 40.4 ID:40.8 mph:8.8 Clk:2 to 8 MPH coming into Bend (-10ft): 8.9 Leaving Bend (+10ft): 10.3 Min MPH over range: 7.2 at index 2298201	11103.46	5111+39		9.8	0.740		39.82	3.6	7.1	3.6	2.5
B67	Fld Bnd 12.48 deg. Right Turn MCSD: 40.08		11203.00	5110+39		7.1	0.617		40.08	18.4	42.4	24.1	41.1
B68	Fld Bnd 7.43 deg. Left Turn MCSD: 40.14		11531.81	5107+10		2.4	0.617		40.14	19.5	35.9	16.4	39.9
B69	Fld Bnd 7.84 deg. Left Turn MCSD: 39.71		11570.97	5106+71		2.8	0.617		39.71	22.8	39.9	17.1	25.9
B70	Bend 22.27 deg. 3.0 Ds Left Turn MCSD: 39.78	Before u/s w.: 1.0%(0.426) MCSD: 40.2 ID:40.8 mph:4.7 Clk:5 to 11 After d/s w. : 0.5%(0.190) MCSD: 40.5 ID:40.8 mph:5.0 Clk:5 to 11 MPH coming into Bend (-10ft): 2.9 Leaving Bend (+10ft): 7.1 Min MPH over range: 2.8 at index 2359689	11618.97	5106+23		7.7	0.740		39.78	2.1	4.2	2.1	2.4
B71	Fld Bnd 11.3 deg. Left Turn MCSD: 40.40		11783.41	5104+59		6.4	0.617		40.40	19.2	42.3	23.1	42.3
B72	Fld Bnd 10.03 deg. Left Turn MCSD: 40.26		11980.48	5102+62		2.6	0.617		40.26	19.6	40.2	20.6	39.4
B73	Fld Bnd 10.05 deg. Left Turn MCSD: 39.95		12020.93	5102+21		2.3	0.617		39.95	19.9	39.4	19.6	41.4
B74	Fld Bnd 6.87 deg. Right Turn MCSD: 40.32		12375.87	5098+66		9.9	0.617		40.32	17.8	42.3	24.6	41.2
B75	Fld Bnd 5.31 deg. Right Turn MCSD: 40.17		12419.47	5098+23		6.0	0.617		40.17	19.0	41.2	22.2	42.2
B76	Fld Bnd 9.58 deg. Right Turn MCSD: 40.20		12508.94	5097+33		5.2	0.617		40.20	25.0	42.7	17.7	40.7
B77	Fld Bnd 9.43 deg. Right & Down Turn MCSD: 40.16		12591.52	5096+51		7.3	0.617		40.16	24.2	42.2	17.9	41.2
B78	Fld Bnd 7.75 deg. Right Turn MCSD: 40.10		12627.43	5096+15		4.6	0.617		40.10	18.0	41.2	23.2	41.0
B79	Fld Bnd 10.0 deg. Right Turn MCSD: 40.13		13094.34	5091+48		6.3	0.617		40.13	18.3	40.6	22.3	41.8

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCS D	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B80	Fld Bnd 9.53 deg. Right & Down Turn MCS D: 40.24		13316.34	5089+26		8.7	0.617		40.24	19.1	42.3	23.2	40.8
B81	Fld Bnd 5.61 deg. Left Turn MCS D: 40.15		13615.67	5086+26		5.8	0.617		40.15	21.3	40.9	19.6	42.5
B82	Bend 30.19 deg. 3.0 Ds Left Turn MCS D: 40.10	Before u/s w.: 0.6%(0.262) MCS D: 40.5 ID:40.8 mph:4.2 Clk:4 to 10 After d/s w. : 0.7%(0.294) MCS D: 40.4 ID:40.8 mph:4.3 Clk:4 to 10 MPH coming into Bend (-10ft): 5.6 Leaving Bend (+10ft): 7.9 Min MPH over range: 4.2 at index 2617714	13766.83	5084+75		6.7	0.740		40.10	3.0	6.1	3.0	5.3
B83	Fld Bnd 7.24 deg. Left Turn MCS D: 40.35		13802.36	5084+40		7.5	0.617		40.35	22.2	42.1	19.9	41.6
B84	Fld Bnd 11.85 deg. Right Turn MCS D: 40.00		13981.80	5082+60		6.9	0.617		40.00	19.6	39.9	20.3	40.3
B85	Fld Bnd 11.63 deg. Right Turn MCS D: 39.96		14021.04	5082+21		5.7	0.617		39.96	18.9	40.3	21.4	39.7
B86	Fld Bnd 8.08 deg. Right Turn MCS D: 40.26		14121.79	5081+20		9.0	0.617		40.26	22.6	40.7	18.1	42.6
B87	Bend 35.29 deg. 3.0 Ds Left Turn MCS D: 39.80	Before u/s w.: 0.9%(0.368) MCS D: 40.4 ID:40.8 mph:7.8 Clk:5 to 11 After d/s w. : 0.6%(0.239) MCS D: 40.5 ID:40.8 mph:7.1 Clk:4 to 10 MPH coming into Bend (-10ft): 9.1 Leaving Bend (+10ft): 9.5 Min MPH over range: 7.1 at index 2694353	14394.52	5078+48		9.2	0.740		39.80	3.6	7.3	3.6	5.2
B88	Fld Bnd 7.02 deg. Right Turn MCS D: 40.30		14643.38	5075+99		3.2	0.617		40.30	15.8	42.3	26.4	24.2
B89	Fld Bnd 7.35 deg. Left Turn MCS D: 40.29		15116.12	5071+26		9.8	0.617		40.29	15.2	42.6	27.4	41.1
B90	Fld Bnd 5.1 deg. Right Turn MCS D: 40.31		15321.52	5069+21		4.2	0.617		40.31	16.9	32.6	15.6	41.2
B91	Fld Bnd 9.38 deg. Right & Down Turn MCS D: 40.05		15358.67	5068+83		7.6	0.617		40.05	21.5	41.2	19.7	43.3
B92	Fld Bnd 5.29 deg. Right & Down Turn MCS D: 39.96		15397.17	5068+45		8.8	0.617		39.96	18.8	43.3	24.5	29.9
B93	Fld Bnd 8.26 deg. Right Turn MCS D: 40.07		15468.84	5067+73		5.2	0.617		40.07	17.3	40.9	23.6	36.7
B94	Fld Bnd 7.74 deg. Right Turn MCS D: 40.04		15508.99	5067+33		4.2	0.617		40.04	16.5	36.7	20.2	39.6
B95	Fld Bnd 8.74 deg. Left Turn MCS D: 40.27		15728.00	5065+14		9.3	0.617		40.27	21.0	39.1	18.0	41.4
B96	Fld Bnd 7.8 deg. Right Turn MCS D: 40.07		16131.53	5061+11		4.9	0.617		40.07	21.6	41.0	19.3	41.7
B97	Fld Bnd 10.74 deg. Right Turn MCS D: 40.03		16170.19	5060+72		4.6	0.617		40.03	19.3	41.7	22.4	39.7

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCS D	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B98	Fld Bnd 10.37 deg. Left Turn MCS D: 40.14		17275.42	5049+67		4.2	0.617		40.14	22.2	41.6	19.4	10.8
B99	Fld Bnd 5.55 deg. Right Turn MCS D: 40.33		17506.13	5047+36		2.3	0.617		40.33	16.0	39.8	23.8	34.0
B100	Bend 34.95 deg. 3.0 Ds Left Turn MCS D: 39.37	Before u/s w.: 0.8%(0.345) MCS D: 40.2 ID:40.8 mph:9.5 Clk:6 to 12 After d/s w. : 0.9%(0.366) MCS D: 40.4 ID:40.8 mph:9.1 Clk:6 to 12 MPH coming into Bend (-10ft): 10.4 Leaving Bend (+10ft): 10.3 Min MPH over range: 8.2 at index 3086353	17662.82	5045+79		10.9	0.740		39.37	3.6	7.3	3.6	19.5
B101	Bend 19.76 deg. 3.0 Ds Left Turn MCS D: 39.78	Before u/s w.: 0.6%(0.243) MCS D: 40.4 ID:40.8 mph:9.6 Clk:5 to 11 After d/s w. : 0.5%(0.200) MCS D: 40.5 ID:40.8 mph:14.4 Clk:5 to 11 MPH coming into Bend (-10ft): 9.3 Leaving Bend (+10ft): 14.7 Min MPH over range: 8.7 at index 3126948	18011.21	5042+31		13.5	0.740		39.78	1.8	3.7	1.8	14.2
B102	Fld Bnd 5.88 deg. Right & Down Turn MCS D: 40.34		18081.37	5041+61		14.2	0.617		40.34	17.3	40.0	22.7	39.1
B103	Fld Bnd 7.86 deg. Down & Left Turn MCS D: 40.05		18168.97	5040+73		6.9	0.617		40.05	25.7	42.3	16.6	41.9
B104	Bend 35.25 deg. 3.0 Ds Left Turn MCS D: 39.56	Before u/s w.: 0.8%(0.333) MCS D: 40.3 ID:40.8 mph:6.9 Clk:4 to 10 After d/s w. : 0.7%(0.294) MCS D: 40.4 ID:40.8 mph:7.3 Clk:4 to 10 MPH coming into Bend (-10ft): 7.9 Leaving Bend (+10ft): 8.6 Min MPH over range: 6.3 at index 3159723	18272.50	5039+70		8.9	0.740		39.56	3.5	7.1	3.5	2.5
B105	Fld Bnd 8.16 deg. Up & Right Turn MCS D: 40.12		18426.77	5038+15		4.9	0.617		40.12	24.6	40.2	15.5	39.7
B106	Fld Bnd 5.5 deg. Left Turn MCS D: 40.13		18522.60	5037+19		7.9	0.617		40.13	17.0	41.4	24.4	43.0
B107	Fld Bnd 5.14 deg. Left Turn MCS D: 39.97		18606.12	5036+36		8.5	0.617		39.97	16.1	30.0	13.8	2.5
B108	Fld Bnd 9.3 deg. Left Turn MCS D: 40.04		18859.14	5033+83		8.8	0.617		40.04	18.5	41.2	22.7	42.6
B109	Fld Bnd 11.51 deg. Left Turn MCS D: 39.96		18903.02	5033+39		7.5	0.617		39.96	21.2	42.6	21.4	29.4

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B110	Bend 44.85 deg. 3.0 Ds Right Turn MCSD: 40.01	Before u/s w.: 0.8%(0.350) MCSD: 40.4 ID:40.8 mph:2.8 Clk:1 to 7 After d/s w. : 0.6%(0.271) MCSD: 40.5 ID:40.8 mph:3.8 Clk:6 to 12 MPH coming into Bend (-10ft): 2.1 Leaving Bend (+10ft): 2.7 Min MPH over range: 1.9 at index 3240462	18960.54	5032+82		4.1	0.740		40.01	4.3	8.7	4.3	2.4
B111	Fld Bnd 5.53 deg. Right Turn MCSD: 40.17		19103.77	5031+38		9.2	0.617		40.17	13.6	39.5	25.9	42.7
B112	Fld Bnd 5.03 deg. Left Turn MCSD: 40.15		19202.41	5030+40		7.0	0.617		40.15	18.3	42.4	24.1	41.8
B113	Bend 35.6 deg. 3.0 Ds Right Turn MCSD: 39.54	Before u/s w.: 1.5%(0.619) MCSD: 40.1 ID:40.8 mph:5.3 Clk:2 to 8 After d/s w. : 1.4%(0.588) MCSD: 40.1 ID:40.8 mph:5.2 Clk:2 to 8 MPH coming into Bend (-10ft): 6.3 Leaving Bend (+10ft): 7.2 Min MPH over range: 4.8 at index 3307677	19516.37	5027+26		7.7	0.740		39.54	3.5	6.9	3.5	7.5
B114	Fld Bnd 11.33 deg. Right Turn MCSD: 40.03		19589.02	5026+53		4.0	0.617		40.03	22.2	43.3	21.1	9.8
B115	Fld Bnd 7.12 deg. Left Turn MCSD: 39.78		19680.20	5025+62		7.3	0.617		39.78	20.6	41.2	20.5	13.9
B116	Fld Bnd 10.72 deg. Left Turn MCSD: 39.99		19735.44	5025+07		6.9	0.617		39.99	20.8	42.4	21.6	27.7
B117	Fld Bnd 6.7 deg. Up Turn MCSD: 40.21		20132.07	5021+10		0.8	0.617		40.21	18.0	42.3	24.3	42.2
B118	Fld Bnd 11.4 deg. Right Turn MCSD: 40.28		20245.87	5019+96		7.5	0.617		40.28	22.5	39.4	16.8	39.6
B119	Fld Bnd 9.88 deg. Left Turn MCSD: 40.18		20549.22	5016+93		10.3	0.617		40.18	19.1	40.9	21.8	43.1
B120	Fld Bnd 5.8 deg. Right Turn MCSD: 40.33		20943.04	5012+99		4.2	0.617		40.33	15.8	41.9	26.0	39.6
B121	Fld Bnd 9.13 deg. Right Turn MCSD: 40.03		21048.52	5011+94		7.5	0.617		40.03	23.4	41.2	17.8	41.9
B122	Fld Bnd 10.5 deg. Right Turn MCSD: 40.03		21088.35	5011+54		5.1	0.617		40.03	22.1	41.9	19.9	35.0
B123	Fld Bnd 5.79 deg. Right Turn MCSD: 40.14		21199.61	5010+42		5.7	0.617		40.14	15.9	41.5	25.6	39.5
B124	Fld Bnd 9.06 deg. Left Turn MCSD: 40.37		22349.04	4998+93		5.5	0.617		40.37	23.4	40.8	17.4	40.1
B125	Fld Bnd 9.03 deg. Left Turn MCSD: 40.08		22389.54	4998+53		9.0	0.617		40.08	23.1	40.1	17.1	39.7
B126	Fld Bnd 10.25 deg. Right Turn MCSD: 40.03		22948.82	4992+93		3.9	0.617		40.03	18.6	39.5	20.9	39.4

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B127	Bend 22.29 deg. 3.0 Ds Left Turn MCSD: 39.66	Before u/s w.: 0.7%(0.283) MCSD: 40.4 ID:40.8 mph:4.9 Clk:2 to 8 After d/s w. : 0.9%(0.382) MCSD: 40.3 ID:40.8 mph:5.8 Clk:3 to 9 MPH coming into Bend (-10ft): 6.8 Leaving Bend (+10ft): 7.3 Min MPH over range: 4.9 at index 3732728	23057.67	4991+84		7.9	0.740		39.66	2.2	4.3	2.2	2.4
B128	Fld Bnd 7.77 deg. Down & Left Turn MCSD: 40.06		23553.21	4986+89		7.3	0.617		40.06	26.2	42.0	15.8	39.8
B129	Fld Bnd 7.33 deg. Down & Left Turn MCSD: 40.13		23593.41	4986+49		9.1	0.617		40.13	24.4	39.8	15.5	39.9
B130	Fld Bnd 7.22 deg. Left Turn MCSD: 40.06		23632.92	4986+09		8.0	0.617		40.06	24.0	39.9	15.8	26.2
B131	Fld Bnd 10.8 deg. Right Turn MCSD: 40.10		24631.94	4976+10		5.4	0.617		40.10	24.7	42.6	17.9	41.9
B132	Fld Bnd 7.76 deg. Right Turn MCSD: 40.15		24666.56	4975+75		8.1	0.617		40.15	16.7	41.9	25.2	18.0
B133	Fld Bnd 8.86 deg. Right & Down Turn MCSD: 40.10		24730.25	4975+12		6.3	0.617		40.10	20.5	39.6	19.1	40.1
B134	Fld Bnd 5.25 deg. Right & Down Turn MCSD: 39.96		24764.19	4974+78		6.1	0.617		39.96	14.9	40.1	25.2	19.7
B135	Fld Bnd 6.97 deg. Right Turn MCSD: 40.22		24828.96	4974+13		6.0	0.617		40.22	19.8	42.4	22.6	22.9
B136	Fld Bnd 5.46 deg. Down & Left Turn MCSD: 40.40		25050.94	4971+91		3.1	0.617		40.40	16.1	42.2	26.1	27.7
B137	Fld Bnd 12.12 deg. Left Turn MCSD: 39.97		25167.84	4970+74		7.3	0.617		39.97	20.2	41.6	21.5	41.1
B138	Fld Bnd 6.45 deg. Left & Up Turn MCSD: 40.26		25315.80	4969+26		8.9	0.617		40.26	23.3	42.3	19.0	42.5
B139	Fld Bnd 7.22 deg. Left Turn MCSD: 39.98		25359.12	4968+83		12.0	0.617		39.98	24.3	42.5	18.2	22.0
B140	Fld Bnd 7.78 deg. Right Turn MCSD: 40.29		25559.36	4966+83		5.8	0.617		40.29	23.2	44.4	21.2	42.5
B141	Fld Bnd 8.71 deg. Right Turn MCSD: 40.21		25833.04	4964+09		7.6	0.617		40.21	20.9	39.5	18.6	21.3
B142	Fld Bnd 9.71 deg. Left Turn MCSD: 40.38		26343.33	4958+99		6.8	0.617		40.38	20.6	41.5	21.0	39.7
B143	Fld Bnd 7.85 deg. Left Turn MCSD: 40.19		26429.11	4958+13		9.9	0.617		40.19	25.1	43.3	18.2	20.8
B144	Fld Bnd 8.33 deg. Left Turn MCSD: 40.01		26695.31	4955+47		9.6	0.617		40.01	22.8	41.4	18.6	41.7
B145	Fld Bnd 7.77 deg. Left Turn MCSD: 40.02		26737.04	4955+05		10.8	0.617		40.02	23.1	41.7	18.6	42.2
B146	Fld Bnd 6.1 deg. Left Turn MCSD: 40.22		26831.55	4954+11		7.7	0.617		40.22	21.7	39.9	18.2	39.9
B147	Fld Bnd 8.6 deg. Left Turn MCSD: 40.07		26869.99	4953+72		6.5	0.617		40.07	20.3	39.9	19.6	11.3

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B148	Fld Bnd 10.33 deg. Right Turn MCSD: 40.11		27004.30	4952+38		8.8	0.617		40.11	20.8	42.3	21.5	18.8
B149	Fld Bnd 5.36 deg. Right Turn MCSD: 40.25		27245.82	4949+96		7.4	0.617		40.25	16.0	42.3	26.2	40.9
B150	Fld Bnd 5.93 deg. Right Turn MCSD: 40.28		27286.87	4949+55		6.8	0.617		40.28	14.8	40.9	26.1	41.1
B151	Fld Bnd 8.48 deg. Right Turn MCSD: 40.29		27574.31	4946+68		10.3	0.617		40.29	19.4	42.5	23.1	41.4
B152	Fld Bnd 10.92 deg. Left Turn MCSD: 40.14		27864.46	4943+78		9.1	0.617		40.14	22.8	42.6	19.8	41.9
B153	Fld Bnd 8.02 deg. Right Turn MCSD: 40.17		28005.00	4942+37		8.6	0.617		40.17	17.3	38.2	20.8	42.1
B154	Fld Bnd 6.94 deg. Right Turn MCSD: 40.27		28043.66	4941+98		11.8	0.617		40.27	17.8	42.1	24.3	16.8
B155	Fld Bnd 7.78 deg. Right Turn MCSD: 39.92		28102.11	4941+40		9.9	0.617		39.92	17.4	43.0	25.6	39.5
B156	Fld Bnd 7.01 deg. Left Turn MCSD: 40.02		28261.66	4939+80		9.9	0.617		40.02	15.8	39.4	23.6	42.5
B157	Fld Bnd 11.1 deg. Down & Left Turn MCSD: 40.09		28304.66	4939+37		12.0	0.617		40.09	19.4	42.5	23.1	41.4
B158	Fld Bnd 10.72 deg. Right Turn MCSD: 40.02		28390.63	4938+51		12.2	0.617		40.02	21.5	41.8	20.3	41.2
B159	Fld Bnd 9.87 deg. Right Turn MCSD: 40.07		28429.83	4938+12		11.6	0.617		40.07	18.9	41.2	22.2	24.6
B160	Fld Bnd 5.6 deg. Left & Up Turn MCSD: 39.86		28936.82	4933+05		4.4	0.740		39.86	18.5	40.3	21.8	40.3
B161	Fld Bnd 7.86 deg. Left Turn MCSD: 39.68		29037.10	4932+05		9.0	0.740		39.68	16.2	40.6	24.3	40.6
B162	Fld Bnd 6.23 deg. Left Turn MCSD: 39.87		29077.23	4931+65		10.5	0.740		39.87	15.8	40.6	24.8	38.7
B163	Fld Bnd 8.11 deg. Right & Down Turn MCSD: 39.63		29291.05	4929+51		8.8	0.740		39.63	17.6	40.4	22.8	40.5
B164	Fld Bnd 7.96 deg. Right Turn MCSD: 39.56		29331.66	4929+10		5.4	0.740		39.56	17.8	40.5	22.6	11.0
B165	Fld Bnd 7.29 deg. Right Turn MCSD: 39.91		29385.22	4928+57		3.1	0.740		39.91	19.9	40.4	20.5	40.6
B166	Fld Bnd 10.51 deg. Right Turn MCSD: 39.84		29424.50	4928+18		4.3	0.740		39.84	18.8	40.6	21.8	40.3
B167	Fld Bnd 7.97 deg. Right Turn MCSD: 39.77		29687.71	4925+54		5.1	0.740		39.77	21.1	40.2	19.1	40.4
B168	Fld Bnd 8.19 deg. Right Turn MCSD: 39.54		29725.68	4925+16		2.0	0.740		39.54	18.8	40.4	21.6	38.7
B169	Fld Bnd 8.22 deg. Right Turn MCSD: 39.73		29833.81	4924+08		4.5	0.740		39.73	22.9	40.2	17.2	15.3
B170	Fld Bnd 5.49 deg. Right Turn MCSD: 39.88		29923.35	4923+19		9.8	0.740		39.88	16.7	38.9	22.2	40.6
B171	Fld Bnd 7.63 deg. Right Turn MCSD: 39.74		29964.76	4922+77		6.7	0.740		39.74	19.2	40.6	21.4	40.0

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCS D	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B172	Fld Bnd 7.04 deg. Up & Right Turn MCS D: 40.17		30083.00	4921+59		8.4	0.740		40.17	17.3	40.1	22.8	40.2
B173	Fld Bnd 9.41 deg. Right Turn MCS D: 39.45		30284.35	4919+58		9.1	0.740		39.45	21.2	40.5	19.3	39.9
B174	Bend 57.13 deg. 3.0 Ds Left Turn MCS D: 39.37	Before u/s w.: 0.3%(0.141) MCS D: 40.3 ID:40.5 mph:15.3 Clk:2 to 8 After d/s w. : 0.1%(0.054) MCS D: 40.2 ID:40.5 mph:12.2 Clk:3 to 9 MPH coming into Bend (-10ft): 17.3 Leaving Bend (+10ft): 15.1 Min MPH over range: 12.2 at index 4610592	30361.73	4918+80		15.9	0.740		39.37	5.8	11.7	5.8	2.8
B175	Fld Bnd 11.07 deg. Left Turn MCS D: 39.70		30495.40	4917+47		15.2	0.740		39.70	19.1	40.8	21.7	40.3
B176	Bend 16.73 deg. 3.0 Ds Up Turn MCS D: 39.44	Before u/s w.: 0.9%(0.370) MCS D: 40.1 ID:40.5 mph:5.3 Clk:3 to 9 After d/s w. : 0.8%(0.327) MCS D: 40.2 ID:40.5 mph:4.5 Clk:2 to 8 MPH coming into Bend (-10ft): 6.2 Leaving Bend (+10ft): 4.1 Min MPH over range: 3.6 at index 4675460	30905.96	4913+36		5.2	0.740		39.44	1.5	2.9	1.5	12.0
B177	Bend 18.04 deg. 3.0 Ds Up Turn MCS D: 39.51	Before u/s w.: 1.1%(0.459) MCS D: 39.9 ID:40.5 mph:7.7 Clk:2 to 8 After d/s w. : 1.1%(0.445) MCS D: 40.0 ID:40.5 mph:7.6 Clk:2 to 8 MPH coming into Bend (-10ft): 7.3 Leaving Bend (+10ft): 10.1 Min MPH over range: 5.8 at index 4681294	30963.91	4912+78		6.8	0.740		39.51	1.6	3.2	1.6	10.9
B178	Fld Bnd 11.3 deg. Left Turn MCS D: 39.59		30995.17	4912+47		7.1	0.740		39.59	18.7	40.7	22.0	40.2
B179	Fld Bnd 12.33 deg. Down & Left Turn MCS D: 39.51		31036.53	4912+06		7.9	0.740		39.51	19.4	40.2	20.9	34.3
B180	Bend 13.29 deg. 3.0 Ds Up Turn MCS D: 39.24	Before u/s w.: 0.6%(0.240) MCS D: 40.2 ID:40.5 mph:13.3 Clk:3 to 9 After d/s w. : 0.9%(0.373) MCS D: 40.0 ID:40.5 mph:10.9 Clk:3 to 9 MPH coming into Bend (-10ft): 13.6 Leaving Bend (+10ft): 11.9 Min MPH over range: 9.5 at index 4699283	31110.63	4911+31		11.7	0.740		39.24	1.2	2.3	1.2	6.2
B181	Fld Bnd 11.57 deg. Right & Down Turn MCS D: 39.71		31661.30	4905+81		8.1	0.740		39.71	18.8	40.0	21.2	40.3
B182	Fld Bnd 7.18 deg. Right Turn MCS D: 39.65		31795.22	4904+47		2.8	0.740		39.65	19.4	40.1	20.6	40.2
B183	Fld Bnd 8.14 deg. Right Turn MCS D: 39.69		31959.71	4902+82		2.4	0.740		39.69	23.0	40.2	17.2	27.3

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCS D	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B184	Fld Bnd 7.97 deg. Right Turn MCS D: 40.31		32181.89	4900+60		12.4	0.617		40.31	16.7	40.3	23.6	12.1
B185	Fld Bnd 13.27 deg. Right & Down Turn MCS D: 39.98		32248.77	4899+93		11.6	0.617		39.98	19.3	41.2	21.9	39.4
B186	Fld Bnd 11.0 deg. Right Turn MCS D: 40.25		32290.21	4899+52		11.6	0.617		40.25	19.6	39.4	19.8	41.1
B187	Fld Bnd 11.64 deg. Right Turn MCS D: 40.22		32328.95	4899+13		9.4	0.617		40.22	18.9	41.1	22.2	18.9
B188	Fld Bnd 8.48 deg. Left Turn MCS D: 40.33		32388.26	4898+54		5.3	0.617		40.33	18.2	40.1	21.8	40.0
B189	Fld Bnd 10.56 deg. Down & Left Turn MCS D: 39.96		32429.75	4898+12		8.6	0.617		39.96	19.6	40.0	20.3	39.7
B190	Bend 44.86 deg. 3.0 Ds Left Turn MCS D: 39.79	Before u/s w.: 1.4%(0.609) MCS D: 40.1 ID:40.8 mph:7.5 Clk:1 to 7 After d/s w. : 0.9%(0.386) MCS D: 40.3 ID:40.8 mph:9.8 Clk:1 to 7 MPH coming into Bend (-10ft): 5.1 Leaving Bend (+10ft): 10.9 Min MPH over range: 5.1 at index 4917025	32932.61	4893+09		9.7	0.740		39.79	4.6	9.1	4.6	2.6
B191	Fld Bnd 6.57 deg. Right Turn MCS D: 39.87		33748.72	4884+93		7.2	0.740		39.87	16.0	39.3	23.3	40.4
B192	Fld Bnd 13.75 deg. Down & Left Turn MCS D: 39.28		34169.53	4880+73		10.3	0.740		39.28	20.3	40.7	20.3	40.4
B193	Fld Bnd 12.96 deg. Left & Up Turn MCS D: 39.65		34267.31	4879+75		6.3	0.740		39.65	20.5	37.6	17.1	40.3
B194	Bend 36.98 deg. 3.0 Ds Up Turn MCS D: 39.50	Before u/s w.: 0.5%(0.199) MCS D: 40.2 ID:40.5 mph:10.3 Clk:3 to 9 After d/s w. : 1.0%(0.432) MCS D: 40.0 ID:40.5 mph:5.1 Clk:3 to 9 MPH coming into Bend (-10ft): 9.6 Leaving Bend (+10ft): 8.8 Min MPH over range: 4.2 at index 5092693	34383.18	4878+59		5.5	0.740		39.50	3.2	6.4	3.2	21.4
B195	Bend 22.16 deg. 3.0 Ds Down Turn MCS D: 39.70	Before u/s w.: 0.4%(0.148) MCS D: 40.3 ID:40.5 mph:7.4 Clk:1 to 7 After d/s w. : 0.4%(0.150) MCS D: 40.4 ID:40.5 mph:4.5 Clk:2 to 8 MPH coming into Bend (-10ft): 8.1 Leaving Bend (+10ft): 8.7 Min MPH over range: 3.1 at index 5100209	34445.14	4877+97		6.0	0.740		39.70	1.9	3.9	1.9	2.4
B196	Fld Bnd 7.82 deg. Down & Left Turn MCS D: 39.84		34886.15	4873+56		11.2	0.740		39.84	22.0	40.3	18.3	40.3
B197	Fld Bnd 5.82 deg. Right Turn MCS D: 39.81		34924.27	4873+18		6.5	0.740		39.81	19.8	40.3	20.5	23.5

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B198	Bend 18.98 deg. 3.0 Ds Up Turn MCSD: 39.54	Before u/s w.: 1.0%(0.420) MCSD: 40.1 ID:40.5 mph:5.2 Clk:3 to 9 After d/s w. : 0.8%(0.352) MCSD: 40.1 ID:40.5 mph:5.4 Clk:2 to 8 MPH coming into Bend (-10ft): 7.8 Leaving Bend (+10ft): 8.8 Min MPH over range: 3.8 at index 5162513	34969.96	4872+72		4.7	0.740		39.54	1.7	3.4	1.7	40.4
B199	Bend 21.95 deg. 3.0 Ds Right & Down Turn MCSD: 39.56	Before u/s w.: 0.6%(0.236) MCSD: 40.3 ID:40.8 mph:10.8 Clk:2 to 8 After d/s w. : 0.7%(0.314) MCSD: 40.4 ID:40.5 mph:7.7 Clk:2 to 8 MPH coming into Bend (-10ft): 11.4 Leaving Bend (+10ft): 11.2 Min MPH over range: 6.8 at index 5207150	35335.93	4869+06		10.2	0.740		39.56	2.0	4.0	2.0	40.3
B200	Fld Bnd 11.56 deg. Right Turn MCSD: 40.05		35435.46	4868+07		9.1	0.617		40.05	20.7	39.5	18.9	38.6
B201	Fld Bnd 5.54 deg. Right Turn MCSD: 40.23		35665.23	4865+77		4.8	0.617		40.23	12.1	39.6	27.5	39.6
B202	Fld Bnd 5.67 deg. Left Turn MCSD: 40.37		35917.64	4863+24		10.4	0.617		40.37	18.5	41.2	22.7	40.5
B203	Fld Bnd 10.53 deg. Left Turn MCSD: 39.99		35961.96	4862+80		8.1	0.617		39.99	21.6	40.5	18.9	42.3
B204	Fld Bnd 6.12 deg. Left Turn MCSD: 40.27		36074.05	4861+68		6.8	0.617		40.27	19.4	39.8	20.4	40.1
B205	Fld Bnd 7.5 deg. Left Turn MCSD: 40.20		36113.31	4861+29		5.5	0.617		40.20	18.9	40.1	21.2	42.9
B206	Fld Bnd 7.22 deg. Left Turn MCSD: 40.12		36151.41	4860+91		8.0	0.617		40.12	16.9	42.9	26.1	39.6
B207	Fld Bnd 6.44 deg. Right Turn MCSD: 40.37		36337.35	4859+05		8.4	0.617		40.37	17.8	41.0	23.1	41.1
B208	Fld Bnd 8.54 deg. Right Turn MCSD: 39.91		36379.99	4858+62		6.1	0.617		39.91	19.5	41.1	21.5	18.0
B209	Fld Bnd 8.01 deg. Right & Down Turn MCSD: 39.90		36434.48	4858+08		7.1	0.617		39.90	14.9	33.2	18.3	19.0
B210	Bend 27.55 deg. 3.0 Ds Right Turn MCSD: 40.09	Before u/s w.: 0.3%(0.118) MCSD: 40.6 ID:40.5 mph:7.0 Clk:4 to 10 After d/s w. : 0.4%(0.180) MCSD: 40.6 ID:40.8 mph:7.4 Clk:3 to 9 MPH coming into Bend (-10ft): 7.5 Leaving Bend (+10ft): 4.8 Min MPH over range: 4.0 at index 5344317	36476.84	4857+65		9.3	0.740		40.09	2.8	5.5	2.8	2.3
B211	Fld Bnd 7.42 deg. Right Turn MCSD: 40.14		37145.36	4850+97		9.6	0.617		40.14	21.0	39.5	18.4	39.7
B212	Fld Bnd 7.58 deg. Right Turn MCSD: 40.13		37219.24	4850+23		10.5	0.617		40.13	15.8	41.6	25.8	41.1

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B213	Bend 41.76 deg. 3.0 Ds Left Turn MCSD: 39.81	Before u/s w.: 0.8%(0.348) MCSD: 40.4 ID:40.8 mph:8.4 Clk:3 to 9 After d/s w. : 0.4%(0.183) MCSD: 40.5 ID:40.8 mph:9.1 Clk:3 to 9 MPH coming into Bend (-10ft): 10.0 Leaving Bend (+10ft): 10.1 Min MPH over range: 7.6 at index 5474705	37565.68	4846+76		8.5	0.740		39.81	4.6	9.1	4.6	2.4
B214	Fld Bnd 5.06 deg. Right Turn MCSD: 40.23		37806.00	4844+36		7.8	0.617		40.23	21.0	40.5	19.5	29.8
B215	Fld Bnd 6.96 deg. Right Turn MCSD: 40.02		37875.10	4843+67		10.2	0.617		40.02	19.8	40.5	20.8	42.3
B216	Fld Bnd 6.92 deg. Right Turn MCSD: 40.16		37905.76	4843+36		7.0	0.617		40.16	9.9	42.3	32.4	43.0
B217	Fld Bnd 9.61 deg. Left Turn MCSD: 39.98		38215.50	4840+27		4.3	0.617		39.98	20.5	41.4	20.9	40.5
B218	Fld Bnd 10.06 deg. Left Turn MCSD: 40.22		38313.29	4839+29		8.7	0.617		40.22	18.6	41.8	23.2	42.5
B219	Fld Bnd 11.05 deg. Left Turn MCSD: 40.34		38356.35	4838+86		10.9	0.617		40.34	19.8	42.5	22.6	41.3
B220	Bend 30.26 deg. 3.0 Ds Left Turn MCSD: 40.21	Before u/s w.: 0.8%(0.325) MCSD: 40.4 ID:40.8 mph:4.9 Clk:4 to 10 After d/s w. : 0.5%(0.210) MCSD: 40.5 ID:40.8 mph:6.8 Clk:5 to 11 MPH coming into Bend (-10ft): 3.7 Leaving Bend (+10ft): 9.7 Min MPH over range: 3.7 at index 5583575	38487.22	4837+55		7.4	0.740		40.21	3.0	6.0	3.0	2.3
B221	Fld Bnd 7.53 deg. Right Turn MCSD: 40.15		38967.40	4832+75		11.5	0.617		40.15	24.8	41.3	16.5	41.9
B222	Fld Bnd 5.83 deg. Right Turn MCSD: 40.39		39216.92	4830+25		5.8	0.617		40.39	22.5	39.5	17.0	40.8
B223	Fld Bnd 10.7 deg. Right Turn MCSD: 39.94		39337.94	4829+04		8.2	0.617		39.94	24.1	41.0	16.9	40.5
B224	Fld Bnd 10.84 deg. Right Turn MCSD: 40.11		39444.66	4827+97		7.6	0.617		40.11	19.4	41.7	22.3	39.5
B225	Fld Bnd 5.91 deg. Right Turn MCSD: 40.28		39643.91	4825+98		7.8	0.617		40.28	15.1	40.8	25.6	37.2
B226	Fld Bnd 6.05 deg. Right Turn MCSD: 40.17		39988.42	4822+54		7.4	0.617		40.17	21.5	40.0	18.5	19.5
B227	Bend 52.4 deg. 3.0 Ds Left Turn MCSD: 39.67	Before u/s w.: 0.5%(0.210) MCSD: 40.4 ID:40.8 mph:10.2 Clk:3 to 9 After d/s w. : 0.7%(0.300) MCSD: 40.4 ID:40.8 mph:8.8 Clk:2 to 8 MPH coming into Bend (-10ft): 11.1 Leaving Bend (+10ft): 8.6 Min MPH over range: 8.4 at index 5826392	40493.29	4817+49		11.2	0.740		39.67	5.3	10.6	5.3	2.5

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCS D	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B228	Fld Bnd 9.25 deg. Right & Down Turn MCS D: 39.44		40640.08	4816+02		2.2	0.617		39.44	17.7	37.6	19.9	42.1
B229	Fld Bnd 6.86 deg. Right Turn MCS D: 40.08		41004.91	4812+37		13.9	0.617		40.08	26.4	41.6	15.2	39.4
B230	Fld Bnd 8.46 deg. Right & Down Turn MCS D: 40.16		41079.31	4811+63		13.6	0.617		40.16	19.8	39.6	19.8	39.4
B231	Fld Bnd 8.28 deg. Left Turn MCS D: 40.07		41702.86	4805+39		2.2	0.617		40.07	19.7	41.3	21.6	43.0
B232	Fld Bnd 9.83 deg. Left Turn MCS D: 40.15		41742.78	4804+99		6.2	0.617		40.15	18.3	43.0	24.7	43.0
B233	Bend 36.42 deg. 3.0 Ds Right Turn MCS D: 39.46	Before u/s w.: 0.6%(0.243) MCS D: 40.5 ID:40.8 mph:10.5 Clk:1 to 7 After d/s w. : 0.4%(0.184) MCS D: 40.5 ID:40.8 mph:6.2 Clk:1 to 7 MPH coming into Bend (-10ft): 11.3 Leaving Bend (+10ft): 8.2 Min MPH over range: 5.5 at index 5987501	41837.78	4804+04		8.8	0.740		39.46	3.5	7.0	3.5	4.6
B234	Fld Bnd 6.64 deg. Left Turn MCS D: 40.14		42136.77	4801+05		3.2	0.740		40.14	16.8	39.5	22.7	40.5
B235	Fld Bnd 5.72 deg. Left Turn MCS D: 40.01		42172.60	4800+69		10.3	0.740		40.01	13.2	40.5	27.3	39.2
B236	Fld Bnd 11.71 deg. Left Turn MCS D: 39.63		42818.27	4794+24		11.1	0.740		39.63	21.5	40.6	19.1	40.3
B237	Fld Bnd 7.85 deg. Left Turn MCS D: 39.84		42858.11	4793+84		7.6	0.740		39.84	20.7	40.3	19.6	40.1
B238	Fld Bnd 7.72 deg. Left Turn MCS D: 39.89		43415.81	4788+26		11.8	0.740		39.89	19.1	40.5	21.4	40.4
B239	Fld Bnd 9.77 deg. Right Turn MCS D: 39.78		43622.00	4786+20		7.5	0.740		39.78	23.4	40.2	16.8	40.5
B240	Fld Bnd 10.36 deg. Right Turn MCS D: 40.19		43659.61	4785+82		12.0	0.740		40.19	20.8	40.5	19.7	39.2
B241	Bend 32.21 deg. 3.0 Ds Up & Right Turn MCS D: 39.49	Before u/s w.: 0.7%(0.293) MCS D: 40.2 ID:40.5 mph:4.0 Clk:6 to 12 After d/s w. : 0.7%(0.287) MCS D: 40.2 ID:40.5 mph:7.1 Clk:6 to 12 MPH coming into Bend (-10ft): 7.9 Leaving Bend (+10ft): 11.2 Min MPH over range: 0.1 at index 6215090	43743.27	4784+99		2.0	0.740		39.49	2.7	5.5	2.7	15.1
B242	Bend 22.2 deg. 3.0 Ds Up & Right Turn MCS D: 39.62	Before u/s w.: 0.2%(0.088) MCS D: 40.4 ID:40.5 mph:12.2 Clk:5 to 11 After d/s w. : 0.5%(0.212) MCS D: 40.2 ID:40.5 mph:9.4 Clk:5 to 11 MPH coming into Bend (-10ft): 12.6 Leaving Bend (+10ft): 9.3 Min MPH over range: 8.1 at index 6219400	43773.54	4784+69		9.6	0.740		39.62	1.9	3.8	1.9	14.9

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B243	Fld Bnd 14.56 deg. Left Turn MCSD: 39.67		44482.04	4777+60		12.3	0.740		39.67	20.3	40.8	20.6	40.3
B244	Fld Bnd 9.42 deg. Right Turn MCSD: 40.06		44818.76	4774+23		8.1	0.740		40.06	20.2	38.9	18.7	40.2
B245	Fld Bnd 6.12 deg. Left Turn MCSD: 39.74		45094.37	4771+48		12.7	0.740		39.74	14.9	40.5	25.6	40.3
B246	Fld Bnd 9.21 deg. Up & Right Turn MCSD: 39.62		45279.06	4769+63		7.0	0.740		39.62	18.2	40.1	21.9	40.3
B247	Fld Bnd 11.26 deg. Right Turn MCSD: 39.39		45403.28	4768+39		8.5	0.740		39.39	21.7	39.8	18.2	40.2
B248	Bend 23.8 deg. 3.0 Ds Left Turn MCSD: 39.65	Before u/s w.: 0.6%(0.269) MCSD: 40.2 ID:40.5 mph:11.3 Clk:2 to 8 After d/s w. : 1.0%(0.420) MCSD: 40.0 ID:40.5 mph:5.9 Clk:2 to 8 MPH coming into Bend (-10ft): 13.1 Leaving Bend (+10ft): 6.8 Min MPH over range: 5.2 at index 6428056	45510.01	4767+32		9.0	0.740		39.65	2.1	4.3	2.1	2.5
B249	Fld Bnd 14.5 deg. Down & Left Turn MCSD: 39.78		45730.67	4765+11		5.3	0.617		39.78	19.8	40.2	20.4	43.7
B250	Fld Bnd 9.0 deg. Left Turn MCSD: 40.33		45768.81	4764+73		4.9	0.617		40.33	17.7	43.7	26.0	41.6
B251	Fld Bnd 8.89 deg. Right Turn MCSD: 40.13		45952.82	4762+89		10.2	0.617		40.13	21.9	40.9	19.0	39.7
B252	Fld Bnd 7.06 deg. Right & Down Turn MCSD: 40.07		46643.71	4755+98		2.8	0.617		40.07	15.9	37.6	21.8	41.4
B253	Fld Bnd 6.86 deg. Right Turn MCSD: 40.17		46682.36	4755+60		3.9	0.617		40.17	16.9	41.4	24.5	34.0
B254	Fld Bnd 8.84 deg. Right Turn MCSD: 40.15		47052.80	4751+89		3.7	0.617		40.15	21.5	40.0	18.6	41.4
B255	Fld Bnd 7.78 deg. Right Turn MCSD: 40.29		47092.53	4751+50		5.0	0.617		40.29	21.2	41.4	20.2	41.0
B256	Fld Bnd 7.96 deg. Right Turn MCSD: 40.10		47131.07	4751+11		4.8	0.617		40.10	18.3	41.0	22.7	39.6
B257	Fld Bnd 10.84 deg. Right Turn MCSD: 40.32		47280.15	4749+62		10.5	0.617		40.32	21.8	42.5	20.6	15.0
B258	Fld Bnd 9.75 deg. Right Turn MCSD: 40.12		47321.56	4749+20		7.9	0.617		40.12	5.7	24.2	18.5	49.8
B259	Fld Bnd 7.19 deg. Left Turn MCSD: 40.22		47408.90	4748+33		9.3	0.617		40.22	19.0	45.5	26.4	40.6
B260	Fld Bnd 8.67 deg. Left Turn MCSD: 40.36		47448.30	4747+94		11.2	0.617		40.36	13.0	40.6	27.6	35.9
B261	Fld Bnd 12.25 deg. Left Turn MCSD: 40.14		47532.49	4747+10		6.6	0.617		40.14	20.7	41.1	20.4	40.9
B262	Fld Bnd 12.51 deg. Left Turn MCSD: 39.84		47574.02	4746+68		7.4	0.617		39.84	21.1	40.9	19.9	8.7

		Bend Listing															
		CUSTOMER/CONTRACTOR					EQT / Mountain Valley Pipeline - Precision Pipeline					PIPE DIAMETER		42.000 in			
CUSTOMER LINE ID					Spread D1					WALL THICKNESS		.617 in					
JOB NUMBER					B20-749N					PRODUCT		AIR 13950 CFM - 30 PSI					
LAUNCH STATION					Lost Run RD					RUN DATE		29-Dec-2023					
					Erbacon, WV					FIELD ENGINEER		Scott Galcatcher					
RECEIVE STATION					Fire Tower RD					CHART ANALYST		Scott Galcatcher					
					Craigsville, WV					REPORT DATE		12/30/2023					
PIPELINE LENGTH					12.7 mi					ISSUE #		1					
Event ID	Bend Dees	Bend Angle	Bend Direction	Comment	Enduro Station	Projected Station	Customer Station	Avg Mile Post	MCSD								
B1	3.0	46	Down	Before u/s w.: 0.6%(0.232) MCSD: 40.3 ID:40.5 mph:3.6 Clk:1 to 7 After d/s w. : 0.5%(0.193) MCSD: 40.3 ID:40.5 mph:3.6 Clk:2 to 8 MPH coming into Bend (-10ft): 4.3 Leaving Bend (+10ft): 4.3 Min MPH over range: 2.6 at index 608939	6.97	0+07		.00	39.72								
B2	3.0	45	Up	Before u/s w.: 0.3%(0.136) MCSD: 40.4 ID:40.5 mph:3.5 Clk:2 to 8 After d/s w. : 0.2%(0.103) MCSD: 40.4 ID:40.5 mph:4.8 Clk:2 to 8 MPH coming into Bend (-10ft): 4.4 Leaving Bend (+10ft): 5.4 Min MPH over range: 3.1 at index 611185	24.21	0+24		.00	39.69								
B3	3.0	90	Right	Before u/s w.: 0.2%(0.095) MCSD: 40.4 ID:40.5 mph:7.6 Clk:1 to 7 After d/s w. : 0.6%(0.261) MCSD: 39.9 ID:40.2 mph:5.4 Clk:2 to 8 MPH coming into Bend (-10ft): 6.6 Leaving Bend (+10ft): 4.5 Min MPH over range: 3.4 at index 635340	212.73	2+13		.04	39.78								
B4	3.0	15	Up-Right	Before u/s w.: 0.6%(0.236) MCSD: 40.2 ID:40.5 mph:8.9 Clk:1 to 7 After d/s w. : 0.7%(0.277) MCSD: 40.2 ID:40.5 mph:12.7 Clk:1 to 7 MPH coming into Bend (-10ft): 6.4 Leaving Bend (+10ft): 13.2 Min MPH over range: 6.4 at index 651571	365.91	3+66		.07	39.42								

B5	3.0	9	Up	Before u/s w.: 0.1%(0.038) MCSD: 40.4 ID:40.5 mph:6.7 Clk:2 to 8 After d/s w. : 0.2%(0.089) MCSD: 40.4 ID:40.5 mph:4.1 Clk:3 to 9 MPH coming into Bend (- 10ft): 8.1 Leaving Bend (+10ft): 6.9 Min MPH over range: 4.1 at index 657947	405.57	4+06	.08	39.67							
B6	3.0	30	Up	Before u/s w.: 0.6%(0.245) MCSD: 40.2 ID:40.5 mph:1.8 Clk:2 to 8 After d/s w. : 0.6%(0.232) MCSD: 40.2 ID:40.5 mph:4.6 Clk:3 to 9 MPH coming into Bend (- 10ft): 3.1 Leaving Bend (+10ft): 6.5 Min MPH over range: 0.5 at index 670522	515.41	5+15	.10	39.81							
B7	3.0	45	Left	Before u/s w.: 0.2%(0.080) MCSD: 40.4 ID:40.5 mph:9.2 Clk:1 to 7 After d/s w. : 0.3%(0.124) MCSD: 40.3 ID:40.5 mph:8.0 Clk:1 to 7 MPH coming into Bend (- 10ft): 8.1 Leaving Bend (+10ft): 8.2 Min MPH over range: 7.7 at index 727332	993.37	9+93	.19	39.76							
B8	3.0	60	Right	Before u/s w.: 0.5%(0.214) MCSD: 40.5 ID:40.8 mph:15.3 Clk:6 to 12 After d/s w. : 1.0%(0.432) MCSD: 40.2 ID:40.8 mph:15.9 Clk:5 to 11 MPH coming into Bend (- 10ft): 14.9 Leaving Bend (+10ft): 16.8 Min MPH over range: 14.2 at index 933554	2713.32	27+13	.51	39.63							
B9	3.0	53	Up-Left	Before u/s w.: 0.8%(0.352) MCSD: 40.1 ID:40.8 mph:13.8 Clk:2 to 8 After d/s w. : 1.0%(0.448) MCSD: 39.7 ID:40.8 mph:17.2 Clk:4 to 10 MPH coming into Bend (- 10ft): 12.3 Leaving Bend (+10ft): 17.8 Min MPH over range: 10.8 at index 1050894	3691.92	36+92	.70	38.77							
B10	3.0	19	Up-Left	Before u/s w.: 0.5%(0.206) MCSD: 40.5 ID:40.8 mph:24.8 Clk:6 to 12 After d/s w. : 1.3%(0.565) MCSD: 39.1 ID:40.2 mph:26.6 Clk:5 to 11 MPH coming into Bend (- 10ft): 26.0 Leaving Bend (+10ft): 21.6 Min MPH over range: 21.2 at index 1078688	3909.27	39+09	.74	39.06							

B11	3.0	15	Left	Before u/s w.: 1.1%(0.459) MCSD: 40.3 ID:40.8 mph:9.6 Clk:5 to 11 After d/s w.: 0.7%(0.315) MCSD: 40.5 ID:40.8 mph:7.8 Clk:5 to 11 MPH coming into Bend (-10ft): 9.5 Leaving Bend (+10ft): 8.4 Min MPH over range: 7.3 at index 1146144	4469.62	44+70	.85	39.85								
B12	3.0	16	Up-Right	Before u/s w.: 1.8%(0.737) MCSD: 40.0 ID:40.8 mph:6.0 Clk:1 to 7 After d/s w.: 1.7%(0.699) MCSD: 40.0 ID:40.8 mph:5.7 Clk:1 to 7 MPH coming into Bend (-10ft): 8.9 Leaving Bend (+10ft): 5.6 Min MPH over range: 5.4 at index 1223603	5113.37	51+13	.97	39.08								
B13	3.0	50	Left	Before u/s w.: 0.3%(0.127) MCSD: 40.5 ID:40.8 mph:8.4 Clk:4 to 10 After d/s w.: 0.3%(0.143) MCSD: 40.2 ID:40.5 mph:11.1 Clk:3 to 9 MPH coming into Bend (-10ft): 8.2 Leaving Bend (+10ft): 12.4 Min MPH over range: 7.3 at index 1247167	5325.75	53+26	1.01	39.92								
B14	3.0	14	Right	Before u/s w.: 0.5%(0.211) MCSD: 40.4 ID:40.8 mph:11.1 Clk:4 to 10 After d/s w.: 0.5%(0.231) MCSD: 40.5 ID:40.8 mph:10.0 Clk:4 to 10 MPH coming into Bend (-10ft): 13.9 Leaving Bend (+10ft): 8.4 Min MPH over range: 8.4 at index 1281482	5595.07	55+95	1.06	39.58								
B15	3.0	49	Right	Before u/s w.: 0.9%(0.388) MCSD: 40.3 ID:40.8 mph:8.1 Clk:2 to 8 After d/s w.: 1.0%(0.432) MCSD: 39.9 ID:40.5 mph:3.6 Clk:6 to 12 MPH coming into Bend (-10ft): 10.2 Leaving Bend (+10ft): 4.4 Min MPH over range: 0.3 at index 1309200	5834.25	58+34	1.10	39.86								
B16	3.0	21	Left	Before u/s w.: 0.8%(0.336) MCSD: 40.4 ID:40.8 mph:4.0 Clk:6 to 12 After d/s w.: 0.7%(0.286) MCSD: 40.5 ID:40.8 mph:2.2 Clk:6 to 12 MPH coming into Bend (-10ft): 7.2 Leaving Bend (+10ft): 4.7 Min MPH over range: 0.3 at index 1427950	6824.21	68+24	1.29	39.40								

B17	3.0	20	Left	Before u/s w.: 0.4%(0.176) MCSD: 40.4 ID:40.8 mph:11.6 Clk:3 to 9 After d/s w.: 0.4%(0.182) MCSD: 40.5 ID:40.8 mph:11.8 Clk:4 to 10 MPH coming into Bend (-10ft): 10.4 Leaving Bend (+10ft): 12.4 Min MPH over range: 8.6 at index 1488228	7334.81	73+35	1.39	39.62							
B18	3.0	20	Left	Before u/s w.: 0.3%(0.141) MCSD: 40.5 ID:40.8 mph:15.2 Clk:4 to 10 After d/s w.: 0.6%(0.257) MCSD: 40.4 ID:40.8 mph:15.6 Clk:2 to 8 MPH coming into Bend (-10ft): 13.8 Leaving Bend (+10ft): 16.6 Min MPH over range: 12.4 at index 1491577	7359.29	73+59	1.39	38.93							
B19	3.0	18	Left	Before u/s w.: 0.5%(0.216) MCSD: 40.5 ID:40.8 mph:19.5 Clk:6 to 12 After d/s w.: 0.5%(0.193) MCSD: 40.5 ID:40.8 mph:18.5 Clk:3 to 9 MPH coming into Bend (-10ft): 18.2 Leaving Bend (+10ft): 20.0 Min MPH over range: 16.4 at index 1495396	7391.17	73+91	1.40	38.05							
B20	3.0	13	Right	Before u/s w.: 0.4%(0.177) MCSD: 40.5 ID:40.8 mph:5.7 Clk:3 to 9 After d/s w.: 0.3%(0.141) MCSD: 40.6 ID:40.8 mph:6.3 Clk:3 to 9 MPH coming into Bend (-10ft): 4.7 Leaving Bend (+10ft): 7.5 Min MPH over range: 4.6 at index 1695025	9059.10	90+59	1.72	40.21							
B21	3.0	67	Right	Before u/s w.: 0.3%(0.140) MCSD: 40.6 ID:40.8 mph:11.9 Clk:2 to 8 After d/s w.: 0.7%(0.278) MCSD: 40.0 ID:40.2 mph:8.6 Clk:1 to 7 MPH coming into Bend (-10ft): 11.7 Leaving Bend (+10ft): 9.1 Min MPH over range: 6.7 at index 1721192	9266.85	92+67	1.76	39.63							
B22	3.0	32	Right	Before u/s w.: 0.5%(0.217) MCSD: 40.5 ID:40.5 mph:5.4 Clk:1 to 7 After d/s w.: 0.7%(0.279) MCSD: 40.4 ID:40.8 mph:5.0 Clk:1 to 7 MPH coming into Bend (-10ft): 6.9 Leaving Bend (+10ft): 6.3 Min MPH over range: 4.8 at index 1737403	9398.27	93+98	1.78	39.97							

B23	3.0	23	Up	Before u/s w.: 1.3%(0.555) MCSD: 40.1 ID:40.8 mph:2.6 Clk:3 to 9 After d/s w.: 1.0%(0.406) MCSD: 40.4 ID:40.8 mph:2.7 Clk:3 to 9 MPH coming into Bend (-10ft): 8.2 Leaving Bend (+10ft): 5.4 Min MPH over range: 0.1 at index 1792676	9866.63	98+67	1.87	39.12							
B24	3.0	14	Left		10058.47	100+58	1.91	39.61							
B25	3.0	29	Left	Before u/s w.: 0.9%(0.364) MCSD: 40.4 ID:40.8 mph:11.7 Clk:5 to 11 After d/s w.: 0.9%(0.397) MCSD: 40.3 ID:40.8 mph:11.5 Clk:5 to 11 MPH coming into Bend (-10ft): 12.3 Leaving Bend (+10ft): 12.6 Min MPH over range: 11.4 at index 1866675	10476.00	104+76	1.98	39.70							
B26	3.0	13	Left	Before u/s w.: 0.1%(0.031) MCSD: 40.7 ID:40.8 mph:9.6 Clk:4 to 10 After d/s w.: 0.9%(0.387) MCSD: 40.1 ID:40.5 mph:11.0 Clk:6 to 12 MPH coming into Bend (-10ft): 9.2 Leaving Bend (+10ft): 11.2 Min MPH over range: 8.3 at index 1937351	11078.53	110+79	2.10	40.03							
B27	3.0	19	Right	Before u/s w.: 0.5%(0.206) MCSD: 40.5 ID:40.8 mph:8.9 Clk:2 to 8 After d/s w.: 0.1%(0.046) MCSD: 40.7 ID:40.8 mph:7.6 Clk:1 to 7 MPH coming into Bend (-10ft): 10.3 Leaving Bend (+10ft): 8.7 Min MPH over range: 7.0 at index 2046711	11976.31	119+76	2.27	40.22							
B28	3.0	13	Right	Before u/s w.: 0.3%(0.106) MCSD: 40.6 ID:40.8 mph:6.9 Clk:3 to 9 After d/s w.: 1.0%(0.433) MCSD: 39.8 ID:40.5 mph:5.0 Clk:1 to 7 MPH coming into Bend (-10ft): 7.2 Leaving Bend (+10ft): 10.0 Min MPH over range: 0.3 at index 2062209	12107.92	121+08	2.29	39.76							
B29	3.0	21	Left	Before u/s w.: 1.2%(0.502) MCSD: 40.2 ID:40.8 mph:6.7 Clk:4 to 10 After d/s w.: 0.9%(0.367) MCSD: 40.4 ID:40.8 mph:6.6 Clk:4 to 10 MPH coming into Bend (-10ft): 6.1 Leaving Bend (+10ft): 7.4 Min MPH over range: 5.1 at index 2167488	12992.17	129+92	2.46	39.83							

B30	3.0	16	Left	Before u/s w.: 0.7%(0.281) MCSD: 40.4 ID:40.8 mph:12.2 Clk:6 to 12 After d/s w.: 0.7%(0.306) MCSD: 40.4 ID:40.8 mph:12.0 Clk:2 to 8 MPH coming into Bend (-10ft): 12.1 Leaving Bend (+10ft): 13.0 Min MPH over range: 10.1 at index 2178438	13087.95	130+88	2.48	39.54							
B31	3.0	16	Up-Left	Before u/s w.: 0.2%(0.080) MCSD: 40.7 ID:40.8 mph:13.2 Clk:6 to 12 After d/s w.: 0.3%(0.140) MCSD: 40.2 ID:40.5 mph:14.4 Clk:2 to 8 MPH coming into Bend (-10ft): 15.2 Leaving Bend (+10ft): 13.4 Min MPH over range: 11.1 at index 2191806	13185.88	131+86	2.50	39.88							
B32	3.0	21	Left	Before u/s w.: 0.7%(0.307) MCSD: 40.4 ID:40.8 mph:9.8 Clk:4 to 10 After d/s w.: 0.8%(0.340) MCSD: 40.4 ID:40.8 mph:8.8 Clk:4 to 10 MPH coming into Bend (-10ft): 9.7 Leaving Bend (+10ft): 10.0 Min MPH over range: 8.1 at index 2298958	14087.84	140+88	2.67	40.04							
B33	3.0	27	Right	Before u/s w.: 0.5%(0.217) MCSD: 40.5 ID:40.8 mph:7.3 Clk:1 to 7 After d/s w.: 0.5%(0.191) MCSD: 40.6 ID:40.8 mph:8.5 Clk:1 to 7 MPH coming into Bend (-10ft): 2.9 Leaving Bend (+10ft): 9.5 Min MPH over range: 2.9 at index 2353257	14546.32	145+46	2.75	39.85							
B34	3.0	26	Right	Before u/s w.: 0.6%(0.258) MCSD: 40.5 ID:40.8 mph:7.5 Clk:2 to 8 After d/s w.: 0.3%(0.118) MCSD: 40.6 ID:40.8 mph:7.5 Clk:1 to 7 MPH coming into Bend (-10ft): 9.5 Leaving Bend (+10ft): 9.2 Min MPH over range: 6.9 at index 2373449	14708.62	147+09	2.79	40.08							
B35	3.0	38	Right	Before u/s w.: 0.6%(0.271) MCSD: 40.5 ID:40.8 mph:7.8 Clk:2 to 8 After d/s w.: 0.7%(0.274) MCSD: 40.4 ID:40.8 mph:8.8 Clk:2 to 8 MPH coming into Bend (-10ft): 8.2 Leaving Bend (+10ft): 9.9 Min MPH over range: 6.3 at index 2443567	15294.28	152+94	2.90	40.01							

B36	3.0	18	Left	Before u/s w.: 1.1%(0.456) MCSD: 40.2 ID:40.8 mph:8.2 Clk:1 to 7 After d/s w.: 0.9%(0.361) MCSD: 40.3 ID:40.8 mph:7.1 Clk:1 to 7 MPH coming into Bend (-10ft): 7.7 Leaving Bend (+10ft): 7.6 Min MPH over range: 6.8 at index 2581584	16442.93	164+43	3.11	39.86							
B37	3.0	22	Right	Before u/s w.: 0.6%(0.269) MCSD: 40.4 ID:40.8 mph:5.0 Clk:4 to 10 After d/s w.: 0.6%(0.253) MCSD: 40.5 ID:40.8 mph:1.5 Clk:5 to 11 MPH coming into Bend (-10ft): 6.5 Leaving Bend (+10ft): 5.8 Min MPH over range: 1.4 at index 2603837	16620.58	166+21	3.15	39.83							
B38	3.0	34	Right	Before u/s w.: 0.7%(0.301) MCSD: 40.4 ID:40.8 mph:6.6 Clk:2 to 8 After d/s w.: 0.8%(0.334) MCSD: 40.4 ID:40.8 mph:6.9 Clk:2 to 8 MPH coming into Bend (-10ft): 8.4 Leaving Bend (+10ft): 8.3 Min MPH over range: 5.7 at index 2658544	17085.28	170+85	3.24	39.94							
B39	3.0	16	Left	Before u/s w.: 0.5%(0.210) MCSD: 40.5 ID:40.8 mph:8.3 Clk:6 to 12 After d/s w.: 0.5%(0.228) MCSD: 40.5 ID:40.8 mph:7.2 Clk:6 to 12 MPH coming into Bend (-10ft): 7.8 Leaving Bend (+10ft): 8.4 Min MPH over range: 6.1 at index 2813541	18380.92	183+81	3.48	40.06							
B40	3.0	15	Right	Before u/s w.: 0.3%(0.134) MCSD: 40.6 ID:40.8 mph:8.3 Clk:2 to 8 After d/s w.: 0.2%(0.102) MCSD: 40.6 ID:40.8 mph:9.9 Clk:6 to 12 MPH coming into Bend (-10ft): 10.6 Leaving Bend (+10ft): 10.5 Min MPH over range: 7.8 at index 2841124	18604.72	186+05	3.52	40.23							
B41	3.0	23	Up	Before u/s w.: 1.3%(0.554) MCSD: 40.2 ID:40.8 mph:8.3 Clk:1 to 7 After d/s w.: 0.6%(0.252) MCSD: 40.3 ID:40.5 mph:2.4 Clk:2 to 8 MPH coming into Bend (-10ft): 11.3 Leaving Bend (+10ft): 7.0 Min MPH over range: 0.3 at index 2883679	18950.57	189+51	3.59	39.73							

B42	3.0	22	Down	Before u/s w.: 0.4%(0.177) MCSD: 40.4 ID:40.5 mph:5.3 Clk:3 to 9 After d/s w.: 0.6%(0.269) MCSD: 40.2 ID:40.5 mph:10.0 Clk:3 to 9 MPH coming into Bend (-10ft): 7.4 Leaving Bend (+10ft): 12.4 Min MPH over range: 4.8 at index 2889949	19012.52	190+13	3.60	39.65								
B43	3.0	22	Up-Right	Before u/s w.: 0.2%(0.092) MCSD: 40.4 ID:40.5 mph:13.1 Clk:4 to 10 After d/s w.: 0.5%(0.217) MCSD: 40.6 ID:40.8 mph:10.7 Clk:3 to 9 MPH coming into Bend (-10ft): 12.6 Leaving Bend (+10ft): 11.6 Min MPH over range: 10.0 at index 2893389	19039.40	190+39	3.61	40.01								
B44	3.0	19	Down-Left	Before u/s w.: 0.6%(0.249) MCSD: 40.5 ID:40.8 mph:9.9 Clk:3 to 9 After d/s w.: 0.8%(0.316) MCSD: 40.4 ID:40.8 mph:10.8 Clk:5 to 11 MPH coming into Bend (-10ft): 12.4 Leaving Bend (+10ft): 13.2 Min MPH over range: 9.4 at index 2898288	19081.62	190+82	3.61	39.69								
B45	3.0	25	Up	Before u/s w.: 0.1%(0.052) MCSD: 40.6 ID:40.8 mph:9.9 Clk:4 to 10 After d/s w.: 0.4%(0.164) MCSD: 40.5 ID:40.8 mph:6.8 Clk:2 to 8 MPH coming into Bend (-10ft): 13.6 Leaving Bend (+10ft): 8.9 Min MPH over range: 6.8 at index 2901645	19101.67	191+02	3.62	39.76								
B46	3.0	16	Up	Before u/s w.: 0.5%(0.195) MCSD: 40.4 ID:40.8 mph:2.9 Clk:3 to 9 After d/s w.: 0.2%(0.082) MCSD: 40.6 ID:40.8 mph:3.6 Clk:2 to 8 MPH coming into Bend (-10ft): 6.5 Leaving Bend (+10ft): 7.1 Min MPH over range: 0.3 at index 2922479	19281.80	192+82	3.65	39.64								
B47	3.0	22	Right	Before u/s w.: 0.1%(0.062) MCSD: 40.7 ID:40.8 mph:11.0 Clk:6 to 12 After d/s w.: 0.2%(0.098) MCSD: 40.7 ID:40.8 mph:9.5 Clk:1 to 7 MPH coming into Bend (-10ft): 11.6 Leaving Bend (+10ft): 10.8 Min MPH over range: 8.9 at index 2977695	19734.39	197+34	3.74	40.00								

B48	3.0	40	Right	Before u/s w.: 0.5%(0.227) MCSD: 40.5 ID:40.8 mph:5.9 Clk:1 to 7 After d/s w.: 0.6%(0.257) MCSD: 40.5 ID:40.8 mph:3.4 Clk:6 to 12 MPH coming into Bend (-10ft): 7.1 Leaving Bend (+10ft): 5.5 Min MPH over range: 3.4 at index 3001817	19934.66	199+35	3.78	39.74							
B49	3.0	16	Left	Before u/s w.: 1.1%(0.446) MCSD: 40.3 ID:40.8 mph:6.0 Clk:2 to 8 After d/s w.: 1.1%(0.457) MCSD: 40.3 ID:40.8 mph:5.5 Clk:2 to 8 MPH coming into Bend (-10ft): 5.4 Leaving Bend (+10ft): 6.6 Min MPH over range: 4.7 at index 3035139	20222.14	202+22	3.83	39.85							
B50	3.0	19	Left	Before u/s w.: 0.8%(0.343) MCSD: 40.4 ID:40.8 mph:9.3 Clk:4 to 10 After d/s w.: 0.7%(0.292) MCSD: 40.5 ID:40.8 mph:9.7 Clk:4 to 10 MPH coming into Bend (-10ft): 8.8 Leaving Bend (+10ft): 10.2 Min MPH over range: 7.1 at index 3040558	20267.62	202+68	3.84	40.09							
B51	3.0	14	Left	Before u/s w.: 0.3%(0.122) MCSD: 40.6 ID:40.8 mph:11.1 Clk:6 to 12 After d/s w.: 0.4%(0.175) MCSD: 40.5 ID:40.8 mph:10.1 Clk:5 to 11 MPH coming into Bend (-10ft): 11.5 Leaving Bend (+10ft): 11.0 Min MPH over range: 9.4 at index 3045816	20310.80	203+11	3.85	40.08							
B52	3.0	26	Right	Before u/s w.: 0.9%(0.374) MCSD: 40.3 ID:40.8 mph:8.1 Clk:2 to 8 After d/s w.: 0.6%(0.260) MCSD: 40.5 ID:40.8 mph:8.4 Clk:3 to 9 MPH coming into Bend (-10ft): 9.3 Leaving Bend (+10ft): 9.3 Min MPH over range: 7.1 at index 3102396	20776.14	207+76	3.93	39.90							
B53	3.0	18	Right	Before u/s w.: 0.9%(0.376) MCSD: 40.4 ID:40.8 mph:8.0 Clk:2 to 8 After d/s w.: 0.5%(0.226) MCSD: 40.5 ID:40.8 mph:7.7 Clk:2 to 8 MPH coming into Bend (-10ft): 9.1 Leaving Bend (+10ft): 9.1 Min MPH over range: 7.4 at index 3120279	20931.80	209+32	3.96	39.70							

B54	3.0	25	Left	Before u/s w.: 1.3%(0.529) MCSD: 40.2 ID:40.8 mph:7.0 Clk:4 to 10 After d/s w.: 1.5%(0.649) MCSD: 40.1 ID:40.5 mph:6.1 Clk:4 to 10 MPH coming into Bend (-10ft): 7.1 Leaving Bend (+10ft): 7.5 Min MPH over range: 5.7 at index 3165720	21311.32	213+11	4.04	39.57							
B55	3.0	33	Left	Before u/s w.: 0.6%(0.252) MCSD: 40.5 ID:40.8 mph:11.4 Clk:4 to 10 After d/s w.: 0.3%(0.133) MCSD: 40.6 ID:40.8 mph:9.6 Clk:3 to 9 MPH coming into Bend (-10ft): 11.0 Leaving Bend (+10ft): 10.6 Min MPH over range: 9.4 at index 3178855	21421.59	214+22	4.06	40.12							
B56	3.0	16	Up	Before u/s w.: 0.5%(0.210) MCSD: 40.4 ID:40.8 mph:11.3 Clk:4 to 10 After d/s w.: 0.8%(0.333) MCSD: 40.4 ID:40.8 mph:7.3 Clk:3 to 9 MPH coming into Bend (-10ft): 13.9 Leaving Bend (+10ft): 9.5 Min MPH over range: 6.5 at index 3298585	22410.52	224+11	4.24	39.76							
B57	3.0	30	Up-Left	Before u/s w.: 0.4%(0.151) MCSD: 40.6 ID:40.8 mph:6.7 Clk:1 to 7 After d/s w.: 0.1%(0.042) MCSD: 40.8 ID:40.8 mph:1.8 Clk:6 to 12 MPH coming into Bend (-10ft): 8.0 Leaving Bend (+10ft): 3.5 Min MPH over range: 0.2 at index 3310780	22513.55	225+14	4.26	40.23							
B58	3.0	23	Right	Before u/s w.: 0.6%(0.272) MCSD: 40.3 ID:40.8 mph:10.1 Clk:6 to 12 After d/s w.: 0.5%(0.255) MCSD: 40.4 ID:40.8 mph:10.1 Clk:5 to 11 MPH coming into Bend (-10ft): 12.0 Leaving Bend (+10ft): 11.3 Min MPH over range: 9.3 at index 3353402	22868.26	228+68	4.33	39.81							
B59	3.0	14	Right	Before u/s w.: 0.8%(0.353) MCSD: 40.4 ID:40.8 mph:5.1 Clk:5 to 11 After d/s w.: 0.8%(0.337) MCSD: 40.4 ID:40.8 mph:6.2 Clk:4 to 10 MPH coming into Bend (-10ft): 5.2 Leaving Bend (+10ft): 7.7 Min MPH over range: 4.2 at index 3408646	23333.97	233+34	4.42	39.69							

B60	3.0	44	Left	Before u/s w.: 0.5%(0.192) MCSD: 40.2 ID:40.5 mph:2.7 Clk:4 to 10 After d/s w.: 0.4%(0.155) MCSD: 40.3 ID:40.5 mph:9.8 Clk:2 to 8 MPH coming into Bend (- 10ft): 2.1 Leaving Bend (+10ft): 11.7 Min MPH over range: 0.1 at index 3430619	23521.86	235+22	4.45	39.79							
B61	3.0	16	Up-Left	Before u/s w.: 0.7%(0.277) MCSD: 40.1 ID:40.5 mph:11.6 Clk:6 to 12 After d/s w.: 0.8%(0.327) MCSD: 40.1 ID:40.5 mph:10.2 Clk:1 to 7 MPH coming into Bend (- 10ft): 15.2 Leaving Bend (+10ft): 11.5 Min MPH over range: 9.9 at index 3453073	23698.54	236+99	4.49	39.44							
B62	3.0	25	Right	Before u/s w.: 0.4%(0.162) MCSD: 40.5 ID:40.8 mph:8.1 Clk:3 to 9 After d/s w.: 0.5%(0.230) MCSD: 40.4 ID:40.8 mph:7.5 Clk:3 to 9 MPH coming into Bend (- 10ft): 9.1 Leaving Bend (+10ft): 9.3 Min MPH over range: 6.9 at index 3496934	24070.96	240+71	4.56	39.98							
B63	3.0	17	Left	Before u/s w.: 0.2%(0.098) MCSD: 40.6 ID:40.8 mph:8.6 Clk:3 to 9 After d/s w.: 0.1%(0.029) MCSD: 40.7 ID:40.8 mph:6.8 Clk:2 to 8 MPH coming into Bend (- 10ft): 7.8 Leaving Bend (+10ft): 9.2 Min MPH over range: 6.0 at index 3533653	24376.22	243+76	4.62	39.61							
B64	3.0	16	Left	Before u/s w.: 0.5%(0.225) MCSD: 40.4 ID:40.8 mph:9.9 Clk:4 to 10 After d/s w.: 0.6%(0.239) MCSD: 40.5 ID:40.8 mph:9.5 Clk:5 to 11 MPH coming into Bend (- 10ft): 10.3 Leaving Bend (+10ft): 10.4 Min MPH over range: 8.8 at index 3625138	25138.92	251+39	4.76	39.97							
B65	3.0	19	Left	Before u/s w.: 0.4%(0.175) MCSD: 40.5 ID:40.8 mph:11.4 Clk:5 to 11 After d/s w.: 0.5%(0.227) MCSD: 40.4 ID:40.5 mph:11.1 Clk:2 to 8 MPH coming into Bend (- 10ft): 10.7 Leaving Bend (+10ft): 11.7 Min MPH over range: 9.3 at index 3627800	25161.27	251+61	4.77	39.68							

B66	3.0	24	Up	Before u/s w.: 0.0%(0.011) MCSD: 40.6 ID:40.5 mph:7.6 Clk:1 to 7 After d/s w.: 0.1%(0.058) MCSD: 40.7 ID:40.8 mph:2.3 Clk:3 to 9 MPH coming into Bend (-10ft): 11.6 Leaving Bend (+10ft): 8.8 Min MPH over range: 0.1 at index 3646295	25308.71	253+09	4.79	39.99							
B67	3.0	17	Right	Before u/s w.: 0.7%(0.304) MCSD: 40.4 ID:40.8 mph:3.6 Clk:3 to 9 After d/s w.: 0.6%(0.270) MCSD: 40.4 ID:40.5 mph:0.6 Clk:3 to 9 MPH coming into Bend (-10ft): 8.5 Leaving Bend (+10ft): 10.1 Min MPH over range: 0.1 at index 3663298	25451.05	254+51	4.82	39.82							
B68	3.0	16	Left	Before u/s w.: 0.3%(0.124) MCSD: 40.5 ID:40.5 mph:9.3 Clk:3 to 9 After d/s w.: 0.3%(0.111) MCSD: 40.6 ID:40.8 mph:6.7 Clk:5 to 11 MPH coming into Bend (-10ft): 10.8 Leaving Bend (+10ft): 9.5 Min MPH over range: 6.7 at index 3724262	25957.74	259+58	4.92	39.62							
B69	3.0	16	Right	Before u/s w.: 0.3%(0.120) MCSD: 40.6 ID:40.8 mph:1.6 Clk:6 to 12 After d/s w.: 0.1%(0.058) MCSD: 40.7 ID:40.8 mph:4.0 Clk:4 to 10 MPH coming into Bend (-10ft): 3.1 Leaving Bend (+10ft): 9.4 Min MPH over range: 0.1 at index 3774104	26384.47	263+84	5.00	39.73							
B70	3.0	19	Right	Before u/s w.: 1.2%(0.491) MCSD: 40.1 ID:40.5 mph:9.5 Clk:2 to 8 After d/s w.: 1.1%(0.451) MCSD: 40.2 ID:40.5 mph:6.3 Clk:2 to 8 MPH coming into Bend (-10ft): 10.3 Leaving Bend (+10ft): 7.8 Min MPH over range: 5.7 at index 3859860	27086.41	270+86	5.13	39.75							
B71	3.0	23	Right	Before u/s w.: 0.5%(0.225) MCSD: 40.2 ID:40.5 mph:10.3 Clk:4 to 10 After d/s w.: 0.7%(0.295) MCSD: 40.4 ID:40.8 mph:9.0 Clk:3 to 9 MPH coming into Bend (-10ft): 9.3 Leaving Bend (+10ft): 11.7 Min MPH over range: 8.9 at index 3866651	27143.37	271+43	5.14	39.80							

B72	3.0	29	Right	Before u/s w.: 0.7%(0.287) MCSD: 40.4 ID:40.5 mph:12.1 Clk:5 to 11 After d/s w.: 0.8%(0.341) MCSD: 40.3 ID:40.5 mph:11.0 Clk:4 to 10 MPH coming into Bend (-10ft): 12.3 Leaving Bend (+10ft): 12.3 Min MPH over range: 10.0 at index 3869152	27165.42	271+65	5.14	40.07							
B73	3.0	19	Left	Before u/s w.: 0.6%(0.239) MCSD: 40.5 ID:40.8 mph:10.7 Clk:5 to 11 After d/s w.: 0.2%(0.072) MCSD: 40.6 ID:40.8 mph:7.7 Clk:2 to 8 MPH coming into Bend (-10ft): 11.2 Leaving Bend (+10ft): 10.2 Min MPH over range: 7.4 at index 3933557	27703.03	277+03	5.25	40.12							
B74	3.0	68	Left	Before u/s w.: 1.1%(0.463) MCSD: 39.9 ID:40.2 mph:6.7 Clk:2 to 8 After d/s w.: 0.5%(0.190) MCSD: 40.5 ID:40.8 mph:0.9 Clk:3 to 9 MPH coming into Bend (-10ft): 9.7 Leaving Bend (+10ft): 5.2 Min MPH over range: 0.0 at index 3959948	27917.17	279+17	5.29	39.62							
B75	3.0	23	Right	Before u/s w.: 0.3%(0.137) MCSD: 40.5 ID:40.5 mph:9.4 Clk:6 to 12 After d/s w.: 0.6%(0.264) MCSD: 40.5 ID:40.8 mph:7.5 Clk:5 to 11 MPH coming into Bend (-10ft): 10.7 Leaving Bend (+10ft): 10.3 Min MPH over range: 6.9 at index 4001697	28268.46	282+68	5.35	40.01							
B76	3.0	20	Right	Before u/s w.: 0.5%(0.203) MCSD: 40.5 ID:40.8 mph:9.0 Clk:6 to 12 After d/s w.: 0.4%(0.152) MCSD: 40.6 ID:40.8 mph:10.2 Clk:2 to 8 MPH coming into Bend (-10ft): 13.1 Leaving Bend (+10ft): 12.0 Min MPH over range: 9.0 at index 4069683	28842.98	288+43	5.46	39.84							
B77	3.0	22	Left	Before u/s w.: 0.7%(0.303) MCSD: 40.4 ID:40.8 mph:12.5 Clk:5 to 11 After d/s w.: 0.9%(0.369) MCSD: 40.3 ID:40.8 mph:9.9 Clk:5 to 11 MPH coming into Bend (-10ft): 12.6 Leaving Bend (+10ft): 11.3 Min MPH over range: 9.1 at index 4080487	28925.87	289+26	5.48	39.83							

B78	3.0	14	Left	Before u/s w.: 0.9%(0.387) MCSD: 40.3 ID:40.8 mph:11.9 Clk:6 to 12 After d/s w.: 0.1%(0.060) MCSD: 40.6 ID:40.8 mph:11.2 Clk:5 to 11 MPH coming into Bend (-10ft): 11.1 Leaving Bend (+10ft): 12.3 Min MPH over range: 10.4 at index 4104465	29132.98	291+33	5.52	39.87							
B79	3.0	30	Right	Before u/s w.: 0.6%(0.268) MCSD: 40.4 ID:40.8 mph:7.4 Clk:3 to 9 After d/s w.: 0.7%(0.278) MCSD: 40.5 ID:40.8 mph:3.7 Clk:2 to 8 MPH coming into Bend (-10ft): 9.4 Leaving Bend (+10ft): 6.2 Min MPH over range: 1.4 at index 4137703	29400.78	294+01	5.57	39.92							
B80	3.0	14	Up	Before u/s w.: 0.4%(0.187) MCSD: 40.4 ID:40.5 mph:8.4 Clk:6 to 12 After d/s w.: 0.5%(0.229) MCSD: 40.5 ID:40.8 mph:2.0 Clk:4 to 10 MPH coming into Bend (-10ft): 11.0 Leaving Bend (+10ft): 4.9 Min MPH over range: 2.0 at index 4201462	29934.34	299+34	5.67	39.88							
B81	3.0	17	Up-Left	Before u/s w.: 1.3%(0.555) MCSD: 40.1 ID:40.5 mph:9.4 Clk:1 to 7 After d/s w.: 1.5%(0.614) MCSD: 40.1 ID:40.8 mph:8.3 Clk:1 to 7 MPH coming into Bend (-10ft): 11.0 Leaving Bend (+10ft): 10.5 Min MPH over range: 8.3 at index 4212630	30027.12	300+27	5.69	39.06							
B82	3.0	15	Up	Before u/s w.: 0.1%(0.026) MCSD: 40.7 ID:40.8 mph:12.2 Clk:5 to 11 After d/s w.: 1.7%(0.703) MCSD: 39.4 ID:40.2 mph:9.4 Clk:6 to 12 MPH coming into Bend (-10ft): 12.4 Leaving Bend (+10ft): 10.5 Min MPH over range: 7.9 at index 4322371	30941.97	309+42	5.86	39.35							
B83	3.0	15	Left	Before u/s w.: 0.6%(0.252) MCSD: 40.4 ID:40.5 mph:7.8 Clk:4 to 10 After d/s w.: 0.6%(0.266) MCSD: 40.4 ID:40.8 mph:4.3 Clk:4 to 10 MPH coming into Bend (-10ft): 9.7 Leaving Bend (+10ft): 8.2 Min MPH over range: 4.3 at index 4385360	31466.76	314+67	5.96	39.63							

B84	3.0	45	Left	Before u/s w.: 0.2%(0.090) MCSD: 40.6 ID:40.5 mph:9.2 Clk:4 to 10 After d/s w.: 0.0%(0.008) MCSD: 40.7 ID:40.8 mph:7.2 Clk:2 to 8 MPH coming into Bend (- 10ft): 9.8 Leaving Bend (+10ft): 9.9 Min MPH over range: 6.8 at index 4404429	31626.02	316+26	5.99	39.77							
B85	3.0	15	Right	Before u/s w.: 0.4%(0.180) MCSD: 40.5 ID:40.8 mph:8.0 Clk:2 to 8 After d/s w.: 0.3%(0.136) MCSD: 40.5 ID:40.5 mph:7.8 Clk:2 to 8 MPH coming into Bend (- 10ft): 9.7 Leaving Bend (+10ft): 10.4 Min MPH over range: 6.3 at index 4431496	31857.80	318+58	6.03	39.24							
B86	3.0	18	Right	Before u/s w.: 0.7%(0.273) MCSD: 40.4 ID:40.5 mph:6.7 Clk:3 to 9 After d/s w.: 0.1%(0.022) MCSD: 40.7 ID:40.8 mph:4.0 Clk:1 to 7 MPH coming into Bend (- 10ft): 10.2 Leaving Bend (+10ft): 6.1 Min MPH over range: 4.0 at index 4449675	32001.95	320+02	6.06	39.76							
B87	3.0	22	Right	Before u/s w.: 1.0%(0.406) MCSD: 40.3 ID:40.8 mph:10.5 Clk:1 to 7 After d/s w.: 0.4%(0.163) MCSD: 40.6 ID:40.8 mph:7.5 Clk:2 to 8 MPH coming into Bend (- 10ft): 11.5 Leaving Bend (+10ft): 9.2 Min MPH over range: 7.2 at index 4462258	32106.88	321+07	6.08	39.83							
B88	3.0	14	Right	Before u/s w.: 0.3%(0.127) MCSD: 40.6 ID:40.8 mph:3.1 Clk:6 to 12 After d/s w.: 0.3%(0.123) MCSD: 40.6 ID:40.8 mph:2.1 Clk:3 to 9 MPH coming into Bend (- 10ft): 6.0 Leaving Bend (+10ft): 7.9 Min MPH over range: 0.0 at index 4499085	32415.37	324+15	6.14	40.09							
B89	3.0	8	Up	Before u/s w.: 0.4%(0.167) MCSD: 40.6 ID:40.8 mph:8.6 Clk:6 to 12 After d/s w.: 0.9%(0.377) MCSD: 40.4 ID:40.8 mph:4.8 Clk:3 to 9 MPH coming into Bend (- 10ft): 7.1 Leaving Bend (+10ft): 5.0 Min MPH over range: 4.1 at index 4582457	33112.26	331+12	6.27	40.13							

B90	3.0	15	Left	Before u/s w.: 0.2%(0.089) MCSD: 40.4 ID:40.5 mph:0.4 Clk:6 to 12 After d/s w.: 0.1%(0.040) MCSD: 40.7 ID:40.8 mph:1.1 Clk:1 to 7 MPH coming into Bend (- 10ft): 4.1 Leaving Bend (+10ft): 8.9 Min MPH over range: 0.1 at index 4598261	33247.25	332+47	6.30	39.67							
B91	3.0	14	Up	Before u/s w.: 1.6%(0.671) MCSD: 39.9 ID:40.5 mph:7.2 Clk:6 to 12 After d/s w.: 1.6%(0.670) MCSD: 39.9 ID:40.8 mph:5.1 Clk:6 to 12 MPH coming into Bend (- 10ft): 7.3 Leaving Bend (+10ft): 5.8 Min MPH over range: 4.9 at index 4654978	33713.26	337+13	6.39	38.94							
B92	3.0	51	Right	Before u/s w.: 0.5%(0.195) MCSD: 40.7 ID:40.8 mph:4.3 Clk:6 to 12 After d/s w.: 0.5%(0.203) MCSD: 40.5 ID:40.8 mph:4.3 Clk:6 to 12 MPH coming into Bend (- 10ft): 3.7 Leaving Bend (+10ft): 5.1 Min MPH over range: 2.2 at index 4705364	34136.84	341+37	6.47	40.16							
B93	3.0	70	Right	Before u/s w.: 0.8%(0.352) MCSD: 40.1 ID:40.5 mph:6.9 Clk:6 to 12 After d/s w.: 0.3%(0.105) MCSD: 40.6 ID:40.8 mph:7.6 Clk:3 to 9 MPH coming into Bend (- 10ft): 8.6 Leaving Bend (+10ft): 8.0 Min MPH over range: 5.8 at index 4723167	34286.35	342+86	6.49	39.92							
B94	3.0	63	Left	Before u/s w.: 0.5%(0.218) MCSD: 40.6 ID:40.8 mph:8.4 Clk:6 to 12 After d/s w.: 0.3%(0.109) MCSD: 40.5 ID:40.5 mph:9.3 Clk:1 to 7 MPH coming into Bend (- 10ft): 8.4 Leaving Bend (+10ft): 9.6 Min MPH over range: 6.8 at index 4738053	34417.99	344+18	6.52	40.01							
B95	3.0	36	Up-Right	Before u/s w.: 0.7%(0.276) MCSD: 40.5 ID:40.8 mph:8.7 Clk:5 to 11 After d/s w.: 0.7%(0.306) MCSD: 40.5 ID:40.8 mph:7.7 Clk:5 to 11 MPH coming into Bend (- 10ft): 11.6 Leaving Bend (+10ft): 10.5 Min MPH over range: 7.3 at index 4826404	35140.78	351+41	6.66	39.38							

B96	3.0	15	Right	Before u/s w.: 0.8%(0.337) MCSD: 40.4 ID:40.8 mph:5.3 Clk:1 to 7 After d/s w.: 0.5%(0.206) MCSD: 40.5 ID:40.8 mph:7.7 Clk:1 to 7 MPH coming into Bend (-10ft): 7.2 Leaving Bend (+10ft): 7.5 Min MPH over range: 5.1 at index 4837531	35240.79	352+41	6.67	39.80							
B97	3.0	52	Left	Before u/s w.: 0.7%(0.281) MCSD: 40.5 ID:40.8 mph:4.8 Clk:4 to 10 After d/s w.: 0.6%(0.266) MCSD: 40.5 ID:40.8 mph:5.8 Clk:5 to 11 MPH coming into Bend (-10ft): 3.6 Leaving Bend (+10ft): 5.7 Min MPH over range: 3.6 at index 4871755	35532.63	355+33	6.73	40.02							
B98	3.0	61	Left	Before u/s w.: 0.3%(0.147) MCSD: 40.7 ID:40.8 mph:3.9 Clk:2 to 8 After d/s w.: 0.6%(0.256) MCSD: 40.5 ID:40.8 mph:1.2 Clk:3 to 9 MPH coming into Bend (-10ft): 4.3 Leaving Bend (+10ft): 3.0 Min MPH over range: 0.1 at index 4885017	35625.68	356+26	6.75	40.21							
B99	3.0	12	Right	Before u/s w.: 0.3%(0.133) MCSD: 40.6 ID:40.8 mph:7.3 Clk:3 to 9 After d/s w.: 0.4%(0.188) MCSD: 40.5 ID:40.8 mph:8.0 Clk:5 to 11 MPH coming into Bend (-10ft): 8.7 Leaving Bend (+10ft): 8.0 Min MPH over range: 6.1 at index 4921388	35940.10	359+40	6.81	39.50							
B100	3.0	26	Left	Before u/s w.: 1.2%(0.492) MCSD: 40.2 ID:40.8 mph:4.5 Clk:5 to 11 After d/s w.: 1.0%(0.434) MCSD: 40.4 ID:40.8 mph:3.0 Clk:6 to 12 MPH coming into Bend (-10ft): 4.0 Leaving Bend (+10ft): 3.8 Min MPH over range: 3.0 at index 5045814	36969.36	369+69	7.00	39.55							
B101	3.0	35	Right	Before u/s w.: 1.0%(0.410) MCSD: 40.3 ID:40.8 mph:4.8 Clk:6 to 12 After d/s w.: 0.8%(0.326) MCSD: 40.4 ID:40.8 mph:2.7 Clk:6 to 12 MPH coming into Bend (-10ft): 5.5 Leaving Bend (+10ft): 5.4 Min MPH over range: 2.2 at index 5192733	38193.46	381+93	7.23	39.06							

B102	3.0	36	Left	Before u/s w.: 1.1%(0.459) MCSD: 40.2 ID:40.8 mph:8.7 Clk:4 to 10 After d/s w.: 1.3%(0.559) MCSD: 40.2 ID:40.8 mph:6.1 Clk:4 to 10 MPH coming into Bend (-10ft): 9.4 Leaving Bend (+10ft): 8.0 Min MPH over range: 5.7 at index 5218666	38409.46	384+09	7.27	39.12								
B103	3.0	18	Left	Before u/s w.: 1.2%(0.487) MCSD: 40.0 ID:40.5 mph:4.0 Clk:2 to 8 After d/s w.: 1.3%(0.560) MCSD: 39.9 ID:40.5 mph:2.1 Clk:2 to 8 MPH coming into Bend (-10ft): 6.5 Leaving Bend (+10ft): 5.8 Min MPH over range: 2.0 at index 5241543	38601.51	386+02	7.31	39.03								
B104	3.0	58	Right	Before u/s w.: 0.9%(0.383) MCSD: 40.2 ID:40.5 mph:3.0 Clk:2 to 8 After d/s w.: 0.5%(0.205) MCSD: 40.5 ID:40.8 mph:6.1 Clk:2 to 8 MPH coming into Bend (-10ft): 3.4 Leaving Bend (+10ft): 5.9 Min MPH over range: 2.9 at index 5256101	38732.16	387+32	7.34	39.92								
B105	3.0	39	Left	Before u/s w.: 0.6%(0.233) MCSD: 40.3 ID:40.5 mph:6.0 Clk:5 to 11 After d/s w.: 0.4%(0.166) MCSD: 40.3 ID:40.5 mph:6.1 Clk:5 to 11 MPH coming into Bend (-10ft): 5.3 Leaving Bend (+10ft): 6.1 Min MPH over range: 4.2 at index 5300803	39105.14	391+05	7.41	39.67								
B106	3.0	35	Left	Before u/s w.: 0.9%(0.386) MCSD: 39.8 ID:40.2 mph:6.2 Clk:6 to 12 After d/s w.: 0.3%(0.141) MCSD: 40.0 ID:40.2 mph:8.1 Clk:1 to 7 MPH coming into Bend (-10ft): 4.4 Leaving Bend (+10ft): 6.9 Min MPH over range: 4.3 at index 5315935	39233.95	392+34	7.43	39.20								
B107	3.0	20	Up	Before u/s w.: 1.2%(0.505) MCSD: 39.7 ID:40.2 mph:4.1 Clk:2 to 8 After d/s w.: 0.9%(0.371) MCSD: 39.7 ID:40.2 mph:4.4 Clk:2 to 8 MPH coming into Bend (-10ft): 3.9 Leaving Bend (+10ft): 3.3 Min MPH over range: 2.5 at index 5330425	39347.56	393+48	7.45	39.24								

B108	3.0	33	Right	Before u/s w.: 0.8%(0.350) MCSD: 40.0 ID:40.2 mph:6.8 Clk:4 to 10 After d/s w.: 0.5%(0.220) MCSD: 40.2 ID:40.5 mph:10.7 Clk:4 to 10 MPH coming into Bend (- 10ft): 7.8 Leaving Bend (+10ft): 12.1 Min MPH over range: 5.9 at index 5384466	39800.15	398+00	7.54	39.59							
B109	3.0	28	Right	Before u/s w.: 0.5%(0.221) MCSD: 40.2 ID:40.5 mph:8.4 Clk:4 to 10 After d/s w.: 0.7%(0.308) MCSD: 40.1 ID:40.5 mph:10.1 Clk:3 to 9 MPH coming into Bend (- 10ft): 9.9 Leaving Bend (+10ft): 12.0 Min MPH over range: 7.8 at index 5423426	40124.22	401+24	7.60	39.45							
B110	3.0	15	Right	Before u/s w.: 1.0%(0.403) MCSD: 40.1 ID:40.5 mph:9.1 Clk:3 to 9 After d/s w.: 1.2%(0.514) MCSD: 40.0 ID:40.5 mph:12.0 Clk:2 to 8 MPH coming into Bend (- 10ft): 12.6 Leaving Bend (+10ft): 11.7 Min MPH over range: 8.8 at index 5434455	40214.08	402+14	7.62	39.53							
B111	3.0	23	Up	Before u/s w.: 0.7%(0.299) MCSD: 40.1 ID:40.5 mph:4.6 Clk:4 to 10 After d/s w.: 0.7%(0.307) MCSD: 40.1 ID:40.2 mph:2.6 Clk:5 to 11 MPH coming into Bend (- 10ft): 4.6 Leaving Bend (+10ft): 3.9 Min MPH over range: 2.4 at index 5528150	40993.48	409+93	7.76	39.69							
B112	3.0	15	Left	Before u/s w.: 1.3%(0.529) MCSD: 39.9 ID:40.5 mph:4.0 Clk:6 to 12 After d/s w.: 0.5%(0.216) MCSD: 40.3 ID:40.5 mph:4.3 Clk:6 to 12 MPH coming into Bend (- 10ft): 4.1 Leaving Bend (+10ft): 5.8 Min MPH over range: 3.7 at index 5552569	41200.91	412+01	7.80	39.46							
B113	3.0	43	Right	Before u/s w.: 0.6%(0.260) MCSD: 40.2 ID:40.5 mph:7.4 Clk:3 to 9 After d/s w.: 0.7%(0.280) MCSD: 40.2 ID:40.5 mph:7.3 Clk:3 to 9 MPH coming into Bend (- 10ft): 7.5 Leaving Bend (+10ft): 6.1 Min MPH over range: 4.1 at index 5612320	41693.66	416+94	7.90	39.43							

B114	3.0	64	Left	Before u/s w.: 0.9%(0.372) MCSD: 40.1 ID:40.5 mph:6.0 Clk:4 to 10 After d/s w.: 0.8%(0.353) MCSD: 40.0 ID:40.2 mph:6.9 Clk:4 to 10 MPH coming into Bend (-10ft): 6.7 Leaving Bend (+10ft): 6.0 Min MPH over range: 5.4 at index 5674401	42220.39	422+20	8.00	39.60							
B115	3.0	23	Left	Before u/s w.: 0.4%(0.170) MCSD: 40.4 ID:40.5 mph:7.2 Clk:2 to 8 After d/s w.: 0.5%(0.202) MCSD: 40.3 ID:40.5 mph:5.1 Clk:2 to 8 MPH coming into Bend (-10ft): 6.6 Leaving Bend (+10ft): 6.9 Min MPH over range: 5.1 at index 5699265	42415.23	424+15	8.03	39.91							
B116	3.0	21	Left	Before u/s w.: 1.3%(0.552) MCSD: 39.9 ID:40.5 mph:6.4 Clk:5 to 11 After d/s w.: 1.2%(0.486) MCSD: 40.0 ID:40.5 mph:5.4 Clk:5 to 11 MPH coming into Bend (-10ft): 6.7 Leaving Bend (+10ft): 7.3 Min MPH over range: 5.4 at index 5769561	43001.13	430+01	8.14	39.33							
B117	3.0	86	Right	Before u/s w.: 0.3%(0.107) MCSD: 40.4 ID:40.5 mph:7.5 Clk:4 to 10 After d/s w.: 1.2%(0.489) MCSD: 39.7 ID:40.2 mph:5.5 Clk:3 to 9 MPH coming into Bend (-10ft): 7.1 Leaving Bend (+10ft): 5.6 Min MPH over range: 5.3 at index 5860035	43754.66	437+55	8.29	39.63							
B118	3.0	18	Down	Before u/s w.: 0.4%(0.154) MCSD: 40.4 ID:40.5 mph:9.8 Clk:4 to 10 After d/s w.: 0.8%(0.348) MCSD: 40.1 ID:40.5 mph:10.5 Clk:6 to 12 MPH coming into Bend (-10ft): 9.0 Leaving Bend (+10ft): 10.7 Min MPH over range: 7.2 at index 5862960	43787.46	437+87	8.29	39.62							
B119	3.0	22	Up	Before u/s w.: 1.3%(0.544) MCSD: 39.6 ID:40.2 mph:2.3 Clk:3 to 9 After d/s w.: 1.6%(0.654) MCSD: 39.5 ID:40.2 mph:0.2 Clk:3 to 9 MPH coming into Bend (-10ft): 1.4 Leaving Bend (+10ft): 4.0 Min MPH over range: 0.0 at index 5963352	44616.16	446+16	8.45	39.06							

B120	3.0	46	Left	Before u/s w.: 0.6%(0.258) MCSD: 40.4 ID:40.5 mph:7.3 Clk:6 to 12 After d/s w. : 0.9%(0.376) MCSD: 40.3 ID:40.8 mph:3.9 Clk:3 to 9 MPH coming into Bend (- 10ft): 8.4 Leaving Bend (+10ft): 6.4 Min MPH over range: 3.8 at index 6091630	45682.79	456+83	8.65	39.47							
B121	3.0	35	Right	Before u/s w.: 2.3%(0.969) MCSD: 39.7 ID:40.5 mph:6.4 Clk:6 to 12 After d/s w. : 1.7%(0.730) MCSD: 40.0 ID:40.8 mph:5.3 Clk:1 to 7 MPH coming into Bend (- 10ft): 6.6 Leaving Bend (+10ft): 7.0 Min MPH over range: 4.8 at index 6158381	46240.54	462+41	8.76	38.23							
B122	3.0	22	Right	Before u/s w.: 2.5%(1.040) MCSD: 39.6 ID:40.5 mph:6.1 Clk:1 to 7 After d/s w. : 2.7%(1.129) MCSD: 39.6 ID:40.8 mph:5.5 Clk:1 to 7 MPH coming into Bend (- 10ft): 5.5 Leaving Bend (+10ft): 6.6 Min MPH over range: 4.7 at index 6198815	46585.31	465+85	8.82	38.46							
B123	3.0	36	Left	Before u/s w.: 0.4%(0.171) MCSD: 40.5 ID:40.8 mph:6.5 Clk:3 to 9 After d/s w. : 0.3%(0.129) MCSD: 40.7 ID:40.8 mph:3.7 Clk:4 to 10 MPH coming into Bend (- 10ft): 6.6 Leaving Bend (+10ft): 7.0 Min MPH over range: 3.3 at index 6239177	46913.66	469+14	8.89	39.84							
B124	3.0	34	Right	Before u/s w.: 1.0%(0.408) MCSD: 40.4 ID:40.8 mph:5.1 Clk:3 to 9 After d/s w. : 0.5%(0.207) MCSD: 40.6 ID:40.8 mph:5.1 Clk:3 to 9 MPH coming into Bend (- 10ft): 7.0 Leaving Bend (+10ft): 8.5 Min MPH over range: 4.0 at index 6296623	47402.74	474+03	8.98	39.70							
B125	3.0	45	Right	Before u/s w.: 0.7%(0.276) MCSD: 40.5 ID:40.8 mph:3.9 Clk:4 to 10 After d/s w. : 0.8%(0.345) MCSD: 40.5 ID:40.8 mph:2.7 Clk:3 to 9 MPH coming into Bend (- 10ft): 4.9 Leaving Bend (+10ft): 6.2 Min MPH over range: 2.4 at index 6412245	48354.80	483+55	9.16	39.76							

B126	3.0	31	Left	Before u/s w.: 1.3%(0.560) MCSD: 40.2 ID:40.8 mph:5.6 Clk:4 to 10 After d/s w.: 1.3%(0.527) MCSD: 40.2 ID:40.8 mph:6.0 Clk:4 to 10 MPH coming into Bend (-10ft): 5.1 Leaving Bend (+10ft): 7.2 Min MPH over range: 4.5 at index 6427172	48490.99	484+91	9.18	39.78							
B127	3.0	15	Left	Before u/s w.: 0.5%(0.204) MCSD: 40.5 ID:40.8 mph:5.9 Clk:2 to 8 After d/s w.: 0.4%(0.151) MCSD: 40.7 ID:40.8 mph:4.8 Clk:2 to 8 MPH coming into Bend (-10ft): 7.3 Leaving Bend (+10ft): 9.1 Min MPH over range: 4.6 at index 6431434	48524.35	485+24	9.19	39.61							
B128	3.0	33	Left	Before u/s w.: 1.3%(0.562) MCSD: 40.0 ID:40.5 mph:9.1 Clk:1 to 7 After d/s w.: 0.9%(0.363) MCSD: 40.4 ID:40.8 mph:5.4 Clk:2 to 8 MPH coming into Bend (-10ft): 8.4 Leaving Bend (+10ft): 9.1 Min MPH over range: 5.2 at index 6441697	48600.95	486+01	9.20	39.54							
B129	3.0	21	Right	Before u/s w.: 0.9%(0.383) MCSD: 40.4 ID:40.8 mph:1.8 Clk:3 to 9 After d/s w.: 1.1%(0.479) MCSD: 40.3 ID:40.8 mph:1.6 Clk:3 to 9 MPH coming into Bend (-10ft): 4.0 Leaving Bend (+10ft): 7.6 Min MPH over range: 0.0 at index 6606416	49977.36	499+77	9.47	39.29							
B130	3.0	14	Left	Before u/s w.: 1.2%(0.512) MCSD: 40.1 ID:40.5 mph:7.8 Clk:4 to 10 After d/s w.: 0.4%(0.150) MCSD: 40.7 ID:40.8 mph:5.5 Clk:3 to 9 MPH coming into Bend (-10ft): 9.7 Leaving Bend (+10ft): 10.4 Min MPH over range: 5.4 at index 6634736	50211.54	502+12	9.51	39.64							
B131	3.0	24	Right	Before u/s w.: 1.1%(0.443) MCSD: 40.3 ID:40.8 mph:2.2 Clk:3 to 9 After d/s w.: 1.2%(0.494) MCSD: 40.3 ID:40.8 mph:1.6 Clk:3 to 9 MPH coming into Bend (-10ft): 3.5 Leaving Bend (+10ft): 6.8 Min MPH over range: 0.1 at index 6678409	50577.16	505+77	9.58	39.13							

B132	3.0	22	Left	Before u/s w.: 1.1%(0.451) MCSD: 40.4 ID:40.8 mph:6.4 Clk:5 to 11 After d/s w.: 0.7%(0.291) MCSD: 40.5 ID:40.8 mph:4.3 Clk:5 to 11 MPH coming into Bend (-10ft): 5.7 Leaving Bend (+10ft): 7.4 Min MPH over range: 4.0 at index 6695822	50720.31	507+20	9.61	39.69							
B133	3.0	40	Right	Before u/s w.: 2.1%(0.903) MCSD: 39.8 ID:40.8 mph:5.9 Clk:1 to 7 After d/s w.: 0.9%(0.390) MCSD: 39.9 ID:40.2 mph:3.7 Clk:6 to 12 MPH coming into Bend (-10ft): 6.4 Leaving Bend (+10ft): 7.0 Min MPH over range: 1.7 at index 6748329	51162.21	511+62	9.69	38.99							
B134	3.0	20	Left	Before u/s w.: 0.4%(0.173) MCSD: 40.6 ID:40.8 mph:2.8 Clk:4 to 10 After d/s w.: 0.2%(0.083) MCSD: 40.8 ID:40.8 mph:2.5 Clk:1 to 7 MPH coming into Bend (-10ft): 5.2 Leaving Bend (+10ft): 7.2 Min MPH over range: 0.1 at index 6769846	51339.63	513+40	9.72	39.79							
B135	3.0	17	Right	Before u/s w.: 1.7%(0.707) MCSD: 40.0 ID:40.8 mph:3.0 Clk:3 to 9 After d/s w.: 0.7%(0.306) MCSD: 40.5 ID:40.8 mph:0.9 Clk:2 to 8 MPH coming into Bend (-10ft): 6.1 Leaving Bend (+10ft): 7.4 Min MPH over range: 0.5 at index 6797966	51571.71	515+72	9.77	39.34							
B136	3.0	23	Right	Before u/s w.: 1.6%(0.675) MCSD: 40.1 ID:40.8 mph:4.3 Clk:2 to 8 After d/s w.: 1.4%(0.571) MCSD: 40.2 ID:40.8 mph:2.2 Clk:2 to 8 MPH coming into Bend (-10ft): 4.0 Leaving Bend (+10ft): 3.6 Min MPH over range: 1.4 at index 6849691	52003.36	520+03	9.85	39.61							
B137	3.0	28	Left	Before u/s w.: 0.7%(0.307) MCSD: 40.4 ID:40.8 mph:2.1 Clk:3 to 9 After d/s w.: 1.0%(0.417) MCSD: 40.3 ID:40.8 mph:0.8 Clk:3 to 9 MPH coming into Bend (-10ft): 1.9 Leaving Bend (+10ft): 5.0 Min MPH over range: 0.0 at index 6881265	52267.51	522+68	9.90	39.61							

B138	3.0	27	Left	Before u/s w.: 2.2%(0.989) MCSD: 39.5 ID:40.5 mph:7.1 Clk:3 to 9 After d/s w.: 1.2%(0.490) MCSD: 40.3 ID:40.8 mph:5.3 Clk:3 to 9 MPH coming into Bend (-10ft): 6.8 Leaving Bend (+10ft): 7.5 Min MPH over range: 4.2 at index 6891404	52358.10	523+58	9.92	39.46							
B139	3.0	15	Left	Before u/s w.: 0.1%(0.063) MCSD: 40.6 ID:40.8 mph:4.6 Clk:3 to 9 After d/s w.: 0.5%(0.211) MCSD: 40.5 ID:40.8 mph:2.9 Clk:3 to 9 MPH coming into Bend (-10ft): 6.0 Leaving Bend (+10ft): 7.5 Min MPH over range: 2.9 at index 6901352	52433.36	524+33	9.93	39.78							
B140	3.0	33	Right	Before u/s w.: 0.6%(0.256) MCSD: 40.5 ID:40.8 mph:2.4 Clk:4 to 10 After d/s w.: 0.5%(0.224) MCSD: 40.6 ID:40.8 mph:2.8 Clk:4 to 10 MPH coming into Bend (-10ft): 2.5 Leaving Bend (+10ft): 6.3 Min MPH over range: 0.0 at index 7054871	53716.31	537+16	10.17	39.90							
B141	3.0	15	Right	Before u/s w.: 1.1%(0.480) MCSD: 40.3 ID:40.8 mph:3.2 Clk:1 to 7 After d/s w.: 0.3%(0.137) MCSD: 40.7 ID:40.8 mph:1.1 Clk:5 to 11 MPH coming into Bend (-10ft): 3.9 Leaving Bend (+10ft): 3.5 Min MPH over range: 0.9 at index 7188635	54827.51	548+28	10.38	40.03							
B142	3.0	58	Left	Before u/s w.: 0.4%(0.159) MCSD: 40.7 ID:40.8 mph:2.6 Clk:4 to 10 After d/s w.: 0.3%(0.107) MCSD: 40.7 ID:40.8 mph:4.4 Clk:3 to 9 MPH coming into Bend (-10ft): 3.5 Leaving Bend (+10ft): 3.7 Min MPH over range: 2.1 at index 7213637	55048.03	550+48	10.43	40.17							
B143	3.0	22	Right	Before u/s w.: 0.7%(0.283) MCSD: 40.5 ID:40.8 mph:2.1 Clk:2 to 8 After d/s w.: 0.6%(0.271) MCSD: 40.6 ID:40.8 mph:3.4 Clk:1 to 7 MPH coming into Bend (-10ft): 4.0 Leaving Bend (+10ft): 5.9 Min MPH over range: 0.0 at index 7247131	55316.73	553+17	10.48	39.81							

B144	3.0	22	Right	Before u/s w.: 0.6%(0.238) MCSD: 40.5 ID:40.8 mph:4.2 Clk:3 to 9 After d/s w.: 0.7%(0.293) MCSD: 40.5 ID:40.8 mph:3.9 Clk:3 to 9 MPH coming into Bend (-10ft): 6.8 Leaving Bend (+10ft): 6.5 Min MPH over range: 3.8 at index 7263499	55451.72	554+52	10.50	39.86							
B145	3.0	20	Left	Before u/s w.: 1.1%(0.449) MCSD: 40.2 ID:40.8 mph:5.3 Clk:4 to 10 After d/s w.: 1.2%(0.505) MCSD: 40.3 ID:40.8 mph:4.0 Clk:4 to 10 MPH coming into Bend (-10ft): 5.5 Leaving Bend (+10ft): 6.8 Min MPH over range: 3.9 at index 7361084	56272.09	562+72	10.66	39.31							
B146	3.0	14	Right	Before u/s w.: 0.7%(0.278) MCSD: 40.5 ID:40.8 mph:0.5 Clk:2 to 8 After d/s w.: 1.0%(0.412) MCSD: 40.4 ID:40.8 mph:1.1 Clk:2 to 8 MPH coming into Bend (-10ft): 3.3 Leaving Bend (+10ft): 8.4 Min MPH over range: 0.0 at index 7442217	56941.11	569+41	10.78	39.23							
B147	3.0	23	Left	Before u/s w.: 1.0%(0.399) MCSD: 40.0 ID:40.5 mph:5.9 Clk:4 to 10 After d/s w.: 0.9%(0.392) MCSD: 40.1 ID:40.5 mph:2.7 Clk:4 to 10 MPH coming into Bend (-10ft): 8.2 Leaving Bend (+10ft): 4.7 Min MPH over range: 2.7 at index 7469141	57164.26	571+64	10.83	39.73							
B148	3.0	17	Left	Before u/s w.: 0.2%(0.078) MCSD: 40.4 ID:40.5 mph:5.6 Clk:3 to 9 After d/s w.: 0.4%(0.154) MCSD: 40.3 ID:40.5 mph:6.2 Clk:3 to 9 MPH coming into Bend (-10ft): 6.3 Leaving Bend (+10ft): 7.1 Min MPH over range: 4.6 at index 7473557	57209.40	572+09	10.84	39.85							
B149	3.0	16	Left	Before u/s w.: 0.8%(0.332) MCSD: 40.2 ID:40.5 mph:3.7 Clk:2 to 8 After d/s w.: 0.9%(0.364) MCSD: 40.2 ID:40.5 mph:1.5 Clk:3 to 9 MPH coming into Bend (-10ft): 4.5 Leaving Bend (+10ft): 5.1 Min MPH over range: 1.3 at index 7507916	57488.09	574+88	10.89	39.56							

B150	3.0	25	Up	Before u/s w.: 1.5%(0.635) MCSD: 39.9 ID:40.5 mph:2.8 Clk:3 to 9 After d/s w.: 1.4%(0.581) MCSD: 39.9 ID:40.5 mph:1.1 Clk:3 to 9 MPH coming into Bend (-10ft): 4.4 Leaving Bend (+10ft): 3.8 Min MPH over range: 0.2 at index 7517120	57569.70	575+70	10.90	39.31							
B151	3.0	17	Up	Before u/s w.: 1.1%(0.477) MCSD: 40.0 ID:40.5 mph:2.3 Clk:3 to 9 After d/s w.: 1.1%(0.472) MCSD: 39.9 ID:40.2 mph:3.7 Clk:3 to 9 MPH coming into Bend (-10ft): 3.2 Leaving Bend (+10ft): 6.6 Min MPH over range: 0.3 at index 7519018	57585.82	575+86	10.91	39.27							
B152	3.0	30	Down-Right	Before u/s w.: 0.9%(0.362) MCSD: 40.2 ID:40.5 mph:4.0 Clk:5 to 11 After d/s w.: 1.0%(0.413) MCSD: 40.1 ID:40.5 mph:6.9 Clk:4 to 10 MPH coming into Bend (-10ft): 6.2 Leaving Bend (+10ft): 8.5 Min MPH over range: 3.9 at index 7528849	57669.27	576+69	10.92	39.64							
B153	3.0	14	Left	Before u/s w.: 0.2%(0.087) MCSD: 40.4 ID:40.5 mph:5.2 Clk:1 to 7 After d/s w.: 0.7%(0.307) MCSD: 39.9 ID:40.2 mph:4.8 Clk:3 to 9 MPH coming into Bend (-10ft): 5.7 Leaving Bend (+10ft): 5.2 Min MPH over range: 2.5 at index 7569505	58001.54	580+02	10.99	39.71							
B154	3.0	23	Right	Before u/s w.: 1.0%(0.422) MCSD: 40.1 ID:40.5 mph:4.5 Clk:5 to 11 After d/s w.: 1.2%(0.487) MCSD: 40.0 ID:40.5 mph:2.7 Clk:4 to 10 MPH coming into Bend (-10ft): 5.7 Leaving Bend (+10ft): 5.5 Min MPH over range: 2.7 at index 7586741	58144.87	581+45	11.01	39.47							
B155	3.0	20	Right	Before u/s w.: 1.2%(0.516) MCSD: 40.0 ID:40.5 mph:4.2 Clk:2 to 8 After d/s w.: 0.9%(0.365) MCSD: 40.1 ID:40.5 mph:5.3 Clk:2 to 8 MPH coming into Bend (-10ft): 5.0 Leaving Bend (+10ft): 6.3 Min MPH over range: 3.7 at index 7659836	58762.30	587+62	11.13	39.56							

B156	3.0	23	Up	Before u/s w.: 1.0%(0.440) MCSD: 40.1 ID:40.5 mph:2.5 Clk:1 to 7 After d/s w.: 0.8%(0.325) MCSD: 40.2 ID:40.5 mph:4.8 Clk:1 to 7 MPH coming into Bend (-10ft): 5.2 Leaving Bend (+10ft): 7.1 Min MPH over range: 0.1 at index 7674646	58883.07	588+83	11.15	39.82								
B157	3.0	16	Left	Before u/s w.: 0.2%(0.075) MCSD: 40.4 ID:40.5 mph:3.5 Clk:3 to 9 After d/s w.: 0.2%(0.090) MCSD: 40.4 ID:40.5 mph:4.5 Clk:2 to 8 MPH coming into Bend (-10ft): 5.5 Leaving Bend (+10ft): 6.7 Min MPH over range: 3.4 at index 7698936	59086.73	590+87	11.19	39.81								
B158	3.0	18	Left	Before u/s w.: 0.3%(0.111) MCSD: 40.4 ID:40.5 mph:5.2 Clk:5 to 11 After d/s w.: 0.0%(0.015) MCSD: 40.4 ID:40.5 mph:4.5 Clk:1 to 7 MPH coming into Bend (-10ft): 4.8 Leaving Bend (+10ft): 6.2 Min MPH over range: 4.4 at index 7707424	59164.00	591+64	11.21	39.75								
B159	3.0	36	Up-Right	Before u/s w.: 0.6%(0.251) MCSD: 40.2 ID:40.5 mph:2.4 Clk:4 to 10 After d/s w.: 0.9%(0.399) MCSD: 40.1 ID:40.5 mph:4.6 Clk:4 to 10 MPH coming into Bend (-10ft): 5.5 Leaving Bend (+10ft): 6.6 Min MPH over range: 0.1 at index 7759915	59593.10	595+93	11.29	39.18								
B160	3.0	23	Right	Before u/s w.: 0.4%(0.163) MCSD: 40.4 ID:40.5 mph:7.1 Clk:1 to 7 After d/s w.: 0.3%(0.126) MCSD: 40.4 ID:40.5 mph:5.4 Clk:1 to 7 MPH coming into Bend (-10ft): 7.6 Leaving Bend (+10ft): 5.4 Min MPH over range: 5.3 at index 7800728	59922.75	599+23	11.35	39.91								
B161	3.0	22	Left	Before u/s w.: 0.7%(0.304) MCSD: 40.2 ID:40.5 mph:4.8 Clk:5 to 11 After d/s w.: 0.6%(0.253) MCSD: 40.3 ID:40.5 mph:3.6 Clk:6 to 12 MPH coming into Bend (-10ft): 3.9 Leaving Bend (+10ft): 4.8 Min MPH over range: 3.6 at index 7816190	60056.38	600+56	11.37	39.62								

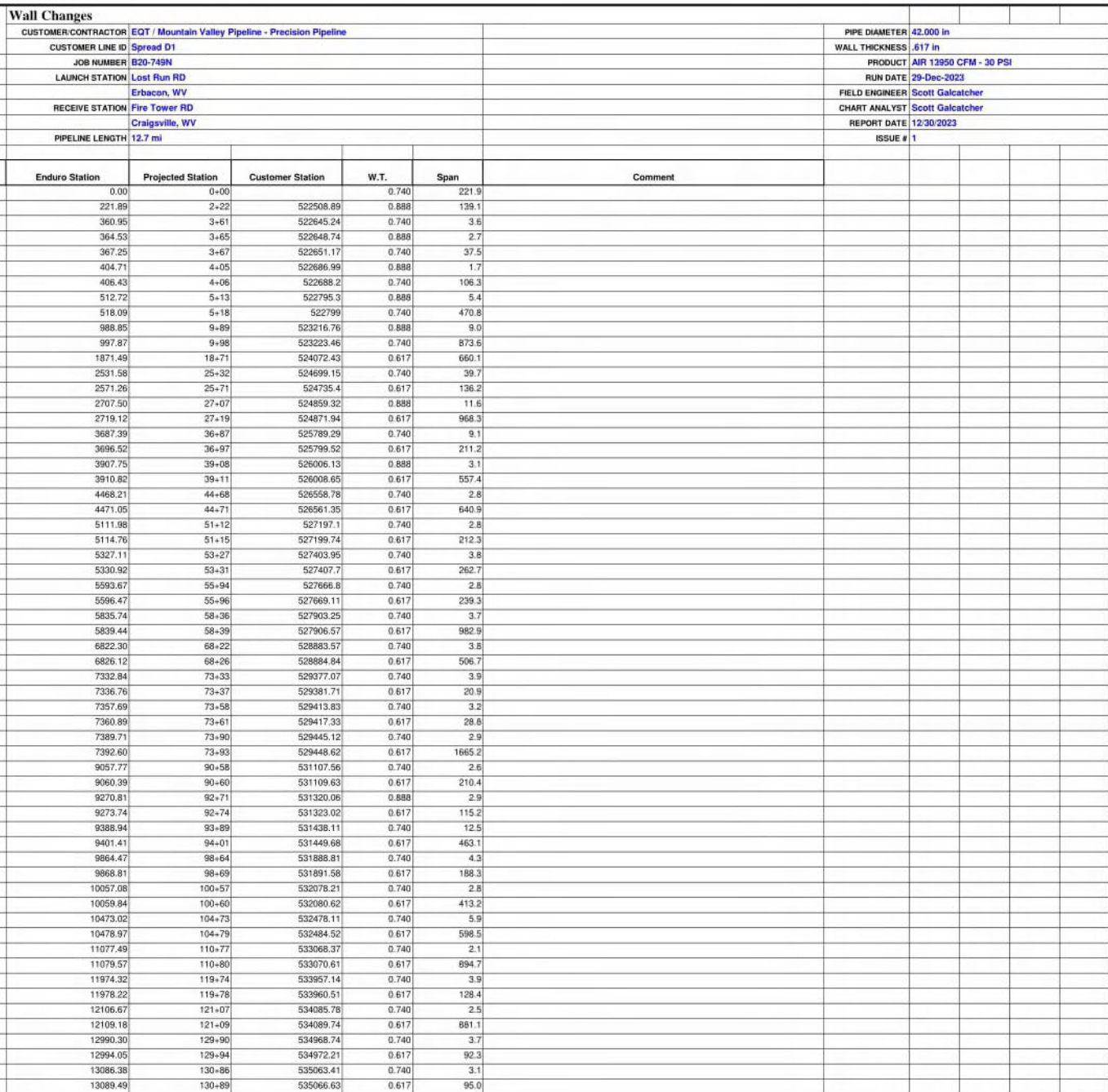
B162	3.0	23	Right	Before u/s w.: 1.4%(0.596) MCSD: 39.9 ID:40.5 mph:1.6 Clk:2 to 8 After d/s w.: 1.6%(0.672) MCSD: 39.7 ID:40.5 mph:1.5 Clk:2 to 8 MPH coming into Bend (-10ft): 3.1 Leaving Bend (+10ft): 3.8 Min MPH over range: 1.5 at index 7831839	60186.70	601+87	11.40	39.38							
B163	3.0	21	Up-Left	Before u/s w.: 1.2%(0.499) MCSD: 40.0 ID:40.5 mph:4.5 Clk:6 to 12 After d/s w.: 1.2%(0.494) MCSD: 40.0 ID:40.5 mph:1.8 Clk:6 to 12 MPH coming into Bend (-10ft): 4.6 Leaving Bend (+10ft): 1.5 Min MPH over range: 0.1 at index 7835122	60210.40	602+10	11.40	39.50							
B164	3.0	11	Down	Before u/s w.: 0.3%(0.109) MCSD: 40.1 ID:40.2 mph:5.8 Clk:5 to 11 After d/s w.: 0.3%(0.130) MCSD: 40.0 ID:40.2 mph:6.3 Clk:5 to 11 MPH coming into Bend (-10ft): 3.1 Leaving Bend (+10ft): 6.3 Min MPH over range: 2.9 at index 7836410	60239.55	602+40	11.41	39.71							
B165	3.0	56	Right	Before u/s w.: 0.8%(0.321) MCSD: 40.3 ID:40.5 mph:7.7 Clk:4 to 10 After d/s w.: 0.4%(0.156) MCSD: 40.3 ID:40.5 mph:13.0 Clk:4 to 10 MPH coming into Bend (-10ft): 4.3 Leaving Bend (+10ft): 11.4 Min MPH over range: 4.3 at index 7846828	60326.23	603+26	11.43	39.58							
B166	3.0	45	Left	Before u/s w.: 0.3%(0.118) MCSD: 40.4 ID:40.5 mph:5.3 Clk:6 to 12 After d/s w.: 0.1%(0.037) MCSD: 40.5 ID:40.5 mph:4.0 Clk:6 to 12 MPH coming into Bend (-10ft): 4.7 Leaving Bend (+10ft): 4.5 Min MPH over range: 4.0 at index 7893659	60699.39	606+99	11.50	39.04							
B167	3.0	23	Left	Before u/s w.: 0.7%(0.307) MCSD: 40.2 ID:40.5 mph:4.3 Clk:4 to 10 After d/s w.: 0.7%(0.278) MCSD: 40.2 ID:40.5 mph:4.4 Clk:4 to 10 MPH coming into Bend (-10ft): 3.9 Leaving Bend (+10ft): 4.7 Min MPH over range: 3.9 at index 7921251	60946.33	609+46	11.54	39.80							

B168	3.0	45	Left	Before u/s w.: 1.2%(0.493) MCSD: 40.0 ID:40.5 mph:6.2 Clk:2 to 8 After d/s w.: 1.2%(0.517) MCSD: 39.9 ID:40.5 mph:5.3 Clk:2 to 8 MPH coming into Bend (-10ft): 6.1 Leaving Bend (+10ft): 5.4 Min MPH over range: 5.2 at index 7934895	61056.80	610+57	11.56	39.37								
B169	3.0	45	Right	Before u/s w.: 0.2%(0.085) MCSD: 40.4 ID:40.5 mph:5.3 Clk:2 to 8 After d/s w.: 0.1%(0.057) MCSD: 40.4 ID:40.5 mph:7.5 Clk:1 to 7 MPH coming into Bend (-10ft): 4.8 Leaving Bend (+10ft): 9.2 Min MPH over range: 4.5 at index 7940388	61101.95	611+02	11.57	39.90								
B170	3.0	27	Right	Before u/s w.: 0.5%(0.216) MCSD: 40.3 ID:40.5 mph:1.9 Clk:2 to 8 After d/s w.: 0.6%(0.253) MCSD: 40.3 ID:40.5 mph:3.1 Clk:3 to 9 MPH coming into Bend (-10ft): 4.6 Leaving Bend (+10ft): 4.3 Min MPH over range: 1.6 at index 7947794	61162.15	611+62	11.58	39.75								
B171	3.0	11	Up	Before u/s w.: 0.9%(0.382) MCSD: 40.1 ID:40.5 mph:4.2 Clk:3 to 9 After d/s w.: 0.5%(0.217) MCSD: 40.3 ID:40.5 mph:1.7 Clk:3 to 9 MPH coming into Bend (-10ft): 4.6 Leaving Bend (+10ft): 1.6 Min MPH over range: 0.5 at index 7950792	61174.03	611+74	11.59	39.48								
B172	3.0	36	Up	Before u/s w.: 0.3%(0.130) MCSD: 40.4 ID:40.5 mph:4.8 Clk:6 to 12 After d/s w.: 0.1%(0.037) MCSD: 40.5 ID:40.5 mph:5.8 Clk:3 to 9 MPH coming into Bend (-10ft): 3.5 Leaving Bend (+10ft): 9.3 Min MPH over range: 0.2 at index 7966628	61315.50	613+16	11.61	39.37								
B173	3.0	31	Left	Before u/s w.: 0.2%(0.100) MCSD: 40.6 ID:40.8 mph:4.7 Clk:2 to 8 After d/s w.: 0.4%(0.165) MCSD: 40.6 ID:40.8 mph:3.2 Clk:1 to 7 MPH coming into Bend (-10ft): 2.7 Leaving Bend (+10ft): 6.0 Min MPH over range: 0.2 at index 8036174	61901.80	619+02	11.72	40.06								

B174	3.0	23	Left	Before u/s w.: 0.8%(0.351) MCSD: 40.3 ID:40.8 mph:3.3 Clk:5 to 11 After d/s w.: 0.5%(0.227) MCSD: 40.6 ID:40.8 mph:2.2 Clk:5 to 11 MPH coming into Bend (-10ft): 2.1 Leaving Bend (+10ft): 4.3 Min MPH over range: 0.4 at index 8053457	62034.49	620+34	11.75	39.95							
B175	3.0	31	Right	Before u/s w.: 1.5%(0.633) MCSD: 40.0 ID:40.5 mph:3.5 Clk:2 to 8 After d/s w.: 1.7%(0.702) MCSD: 40.1 ID:40.8 mph:3.0 Clk:2 to 8 MPH coming into Bend (-10ft): 3.9 Leaving Bend (+10ft): 5.2 Min MPH over range: 3.0 at index 8128552	62658.60	626+59	11.87	39.21							
B176	3.0	22	Right	Before u/s w.: 0.8%(0.347) MCSD: 40.4 ID:40.8 mph:3.7 Clk:3 to 9 After d/s w.: 0.5%(0.207) MCSD: 40.6 ID:40.8 mph:2.0 Clk:2 to 8 MPH coming into Bend (-10ft): 3.2 Leaving Bend (+10ft): 2.8 Min MPH over range: 1.8 at index 8139182	62748.50	627+48	11.88	40.01							
B177	3.0	30	Left	Before u/s w.: 0.9%(0.393) MCSD: 40.3 ID:40.8 mph:6.0 Clk:4 to 10 After d/s w.: 0.7%(0.294) MCSD: 40.5 ID:40.8 mph:3.1 Clk:4 to 10 MPH coming into Bend (-10ft): 3.9 Leaving Bend (+10ft): 4.8 Min MPH over range: 2.5 at index 8159657	62918.62	629+19	11.92	39.82							
B178	3.0	45	Right	Before u/s w.: 1.0%(0.417) MCSD: 40.5 ID:40.8 mph:3.7 Clk:3 to 9 After d/s w.: 1.1%(0.461) MCSD: 40.4 ID:40.8 mph:2.8 Clk:3 to 9 MPH coming into Bend (-10ft): 3.5 Leaving Bend (+10ft): 4.4 Min MPH over range: 2.2 at index 8238039	63570.09	635+70	12.04	40.06							
B179	3.0	52	Left	Before u/s w.: 0.2%(0.089) MCSD: 40.8 ID:40.8 mph:6.3 Clk:1 to 7 After d/s w.: 0.3%(0.123) MCSD: 40.7 ID:40.8 mph:4.9 Clk:4 to 10 MPH coming into Bend (-10ft): 4.4 Leaving Bend (+10ft): 5.3 Min MPH over range: 4.3 at index 8294095	64035.50	640+35	12.13	40.23							

B180	3.0	44	Left	Before u/s w.: 0.7%(0.303) MCSD: 40.5 ID:40.8 mph:6.2 Clk:6 to 12 After d/s w.: 0.4%(0.184) MCSD: 40.6 ID:40.8 mph:4.4 Clk:5 to 11 MPH coming into Bend (-10ft): 4.7 Leaving Bend (+10ft): 4.9 Min MPH over range: 4.2 at index 8318187	64253.40	642+53	12.17	39.54								
B181	3.0	30	Left	Before u/s w.: 1.3%(0.540) MCSD: 40.2 ID:40.8 mph:4.4 Clk:4 to 10 After d/s w.: 1.0%(0.417) MCSD: 40.4 ID:40.8 mph:2.3 Clk:4 to 10 MPH coming into Bend (-10ft): 4.3 Leaving Bend (+10ft): 4.3 Min MPH over range: 1.6 at index 8352686	64528.37	645+28	12.22	39.21								
B182	3.0	30	Right	Before u/s w.: 1.2%(0.503) MCSD: 40.2 ID:40.8 mph:3.5 Clk:2 to 8 After d/s w.: 0.5%(0.218) MCSD: 40.6 ID:40.8 mph:3.3 Clk:2 to 8 MPH coming into Bend (-10ft): 4.5 Leaving Bend (+10ft): 4.0 Min MPH over range: 1.9 at index 8374131	64707.77	647+08	12.26	39.84								
B183	3.0	65	Right	Before u/s w.: 0.9%(0.367) MCSD: 40.5 ID:40.8 mph:3.2 Clk:2 to 8 After d/s w.: 0.8%(0.342) MCSD: 40.5 ID:40.8 mph:3.2 Clk:4 to 10 MPH coming into Bend (-10ft): 3.7 Leaving Bend (+10ft): 4.2 Min MPH over range: 2.6 at index 8384280	64794.56	647+95	12.27	39.92								
B184	3.0	23	Left	Before u/s w.: 0.4%(0.176) MCSD: 40.6 ID:40.8 mph:4.3 Clk:4 to 10 After d/s w.: 0.5%(0.210) MCSD: 40.6 ID:40.8 mph:3.3 Clk:3 to 9 MPH coming into Bend (-10ft): 3.1 Leaving Bend (+10ft): 4.8 Min MPH over range: 2.7 at index 8481942	65604.49	656+04	12.43	40.12								
B185	3.0	45	Left	Before u/s w.: 0.9%(0.396) MCSD: 40.5 ID:40.8 mph:4.3 Clk:4 to 10 After d/s w.: 0.7%(0.310) MCSD: 40.5 ID:40.8 mph:5.8 Clk:4 to 10 MPH coming into Bend (-10ft): 3.5 Leaving Bend (+10ft): 6.5 Min MPH over range: 3.3 at index 8491320	65696.30	656+96	12.44	40.26								

B186	3.0	23	Down	Before u/s w.: 0.3%(0.132) MCSD: 40.4 ID:40.5 mph:3.6 Clk:2 to 8 After d/s w.: 0.4%(0.163) MCSD: 40.3 ID:40.5 mph:8.7 Clk:3 to 9 MPH coming into Bend (-10ft): 4.6 Leaving Bend (+10ft): 11.2 Min MPH over range: 1.7 at index 8603494	66628.63	666+29	12.62	39.86							
B187	3.0	22	Up	Before u/s w.: 0.6%(0.272) MCSD: 40.1 ID:40.2 mph:9.1 Clk:3 to 9 After d/s w.: 0.5%(0.222) MCSD: 40.2 ID:40.2 mph:2.9 Clk:3 to 9 MPH coming into Bend (-10ft): 10.3 Leaving Bend (+10ft): 6.8 Min MPH over range: 0.6 at index 8606559	66648.09	666+48	12.62	40.02							
B188	3.0	16	Down	Before u/s w.: 0.0%(0.003) MCSD: 40.4 ID:40.5 mph:9.3 Clk:1 to 7 After d/s w.: 1.1%(0.453) MCSD: 39.9 ID:40.2 mph:1.9 Clk:3 to 9 MPH coming into Bend (-10ft): 7.1 Leaving Bend (+10ft): 4.4 Min MPH over range: 0.8 at index 8657152	67074.31	670+74	12.70	39.75							



[illegible]

[illegible]

W277	Wall change from .740 to .888 for 3.69 feet - Enduro predicted	43785.61	437+86	565333.9	0.888	3.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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W349	Wall change from .888 to .740 for 140.02 feet - Enduro predicted	58002.73	580-03	579278.8	0.740	140.0								
W350	Wall change from .740 to .888 for 4.25 feet - Enduro predicted	58142.75	581+43	579418.47	0.888	4.2								
W351	Wall change from .888 to .740 for 734.00 feet - Enduro predicted	58147.00	581+47	579422.71	0.740	734.0								
W352	Wall change from .740 to .888 for 4.12 feet - Enduro predicted	58881.00	588+81	580130.86	0.888	4.1								
W353	Wall change from .888 to .740 for 199.87 feet - Enduro predicted	58885.12	588+85	580133.1	0.740	199.9								
W354	Wall change from .740 to .888 for 3.46 feet - Enduro predicted	59085.00	590+85	580328.28	0.888	3.5								
W355	Wall change from .888 to .740 for 73.85 feet - Enduro predicted	59088.45	590-88	580330.11	0.740	73.8								
W356	Wall change from .740 to .888 for 3.39 feet - Enduro predicted	59162.30	591+62	580402.19	0.888	3.4								
W357	Wall change from .888 to .740 for 424.77 feet - Enduro predicted	59165.70	591+66	580404.86	0.740	424.8								
W358	Wall change from .740 to .888 for 6.54 feet - Enduro predicted	59590.47	595-90	580818.87	0.888	6.5								
W359	Wall change from .888 to .740 for 457.17 feet - Enduro predicted	59597.01	595+97	580829.29	0.740	457.2								
W360	Wall change from .740 to .888 for 4.31 feet - Enduro predicted	60054.18	600+54	581274.4	0.888	4.3								
W361	Wall change from .888 to .740 for 126.05 feet - Enduro predicted	60058.49	600-58	581276.04	0.740	126.0								
W362	Wall change from .740 to .888 for 4.32 feet - Enduro predicted	60184.54	601+85	581391.78	0.888	4.3								
W363	Wall change from .888 to .740 for 26.45 feet - Enduro predicted	60188.86	601+89	581406.48	0.740	26.4								
W364	Wall change from .740 to .888 for 102.92 feet - Enduro predicted	60215.31	602+15	581432.19	0.888	102.9								
W365	Wall change from .888 to .740 for 376.52 feet - Enduro predicted	60318.23	603-18	581502.93	0.740	376.5								
W366	Wall change from .740 to .888 for 9.27 feet - Enduro predicted	60694.75	606+95	581907.11	0.888	9.3								
W367	Wall change from .888 to .740 for 393.47 feet - Enduro predicted	60704.02	607-04	581914.77	0.740	393.5								
W368	Wall change from .740 to .888 for 8.92 feet - Enduro predicted	61097.49	610+97	582278.38	0.888	8.9								
W369	Wall change from .888 to .740 for 53.15 feet - Enduro predicted	61106.41	611-06	582290.97	0.740	53.1								
W370	Wall change from .740 to .888 for 5.16 feet - Enduro predicted	61159.56	611+60	582334.28	0.888	5.2								
W371	Wall change from .888 to .740 for 8.26 feet - Enduro predicted	61164.72	611+65	582350.5	0.740	8.3								
W372	Wall change from .740 to .888 for 2.09 feet - Enduro predicted	61172.98	611+73	582357.76	0.888	2.1								
W373	Wall change from .888 to .740 for 137.17 feet - Enduro predicted	61175.07	611-75	582362.24	0.740	137.2								
W374	Wall change from .740 to .888 for 6.52 feet - Enduro predicted	61312.24	613+12	582498.41	0.888	6.5								
W375	Wall change from .888 to .740 for 466.74 feet - Enduro predicted	61318.76	613-19	582501.04	0.740	466.7								
W376	Wall change from .740 to .617 for 113.17 feet - Enduro predicted	61785.50	617+86	582895.67	0.617	113.2								
W377	Wall change from .617 to .740 for 6.22 feet - Enduro predicted	61898.68	618-99	583043.72	0.740	6.2								
W378	Wall change from .740 to .617 for 127.64 feet - Enduro predicted	61904.90	619-05	583049.12	0.617	127.6								
W379	Wall change from .617 to .740 for 3.87 feet - Enduro predicted	62032.55	620-33	583171.68	0.740	3.9								
W380	Wall change from .740 to .617 for 121.92 feet - Enduro predicted	62036.42	620-36	583175.67	0.617	121.9								
W381	Wall change from .617 to .740 for 40.62 feet - Enduro predicted	62158.34	621-58	583277.64	0.740	40.6								
W382	Wall change from .740 to .617 for 454.34 feet - Enduro predicted	62198.96	621+99	583301.18	0.617	454.3								
W383	Wall change from .617 to .740 for 8.20 feet - Enduro predicted	62653.30	626-53	583756.33	0.740	8.2								
W384	Wall change from .740 to .617 for 84.73 feet - Enduro predicted	62661.50	626+62	583810.01	0.617	84.7								
W385	Wall change from .617 to .740 for 4.52 feet - Enduro predicted	62746.24	627+46	583896.77	0.740	4.5								
W386	Wall change from .740 to .617 for 164.83 feet - Enduro predicted	62750.75	627+51	583899.05	0.617	164.8								
W387	Wall change from .617 to .740 for 6.06 feet - Enduro predicted	62915.59	629+16	584065.78	0.740	6.1								
W388	Wall change from .740 to .617 for 829.07 feet - Enduro predicted	62921.65	629-22	584068.15	0.617	829.1								
W389	Wall change from .617 to .740 for 39.72 feet - Enduro predicted	63750.72	637+51	584865.88	0.740	39.7								
W390	Wall change from .740 to .617 for 734.84 feet - Enduro predicted	63790.44	637+90	584910.82	0.617	734.8								
W391	Wall change from .617 to .740 for 6.18 feet - Enduro predicted	64525.28	645+25	585671.41	0.740	6.2								
W392	Wall change from .740 to .617 for 173.45 feet - Enduro predicted	64531.46	645+31	585677.45	0.617	173.4								
W393	Wall change from .617 to .740 for 5.72 feet - Enduro predicted	64704.91	647+05	585845.99	0.740	5.7								
W394	Wall change from .740 to .617 for 891.55 feet - Enduro predicted	64710.63	647+11	585855.9	0.617	891.5								
W395	Wall change from .617 to .740 for 4.61 feet - Enduro predicted	65602.18	656+02	586743.03	0.740	4.6								
W396	Wall change from .740 to .617 for 108.28 feet - Enduro predicted	65606.79	656+07	586746.75	0.617	108.3								
W397	Wall change from .617 to .740 for 870.27 feet - Enduro predicted	65715.07	657+15	586839.92	0.740	870.3								
W398	Wall change from .740 to .888 for 4.98 feet - Enduro predicted	66585.34	665+85	587668.26	0.888	5.0								
W399	Wall change from .888 to .740 for 9.92 feet - Enduro predicted	66590.32	665-90	587703.89	0.740	9.9								
W400	Wall change from .740 to .888 for 1.87 feet - Enduro predicted	66600.24	666+00	587708.93	0.888	1.9								
W401	Wall change from .888 to .740 for 4.80 feet - Enduro predicted	66602.10	666+02	587718.98	0.740	4.8								
W402	Wall change from .740 to .888 for 2.51 feet - Enduro predicted	66606.90	666+07		0.888	2.5								
W403	Wall change from .888 to .740 for 9.96 feet - Enduro predicted	66609.41	666-09	587728.46	0.740	10.0								
W404	Wall change from .740 to .888 for 5.14 feet - Enduro predicted	66619.37	666+19	587728.46	0.888	5.1								
W405	Wall change from .888 to .740 for 2.01 feet - Enduro predicted	66624.51	666-25	587743.22	0.740	2.0								
W406	Wall change from .740 to .888 for 4.21 feet - Enduro predicted	66626.52	666+27	587743.22	0.888	4.2								
W407	Wall change from .888 to .740 for 15.29 feet - Enduro predicted	66630.73	666+31	587745.35	0.740	15.3								
W408	Wall change from .740 to .888 for 4.12 feet - Enduro predicted	66646.02	666+46	587750.25	0.888	4.1								
W409	Wall change from .888 to .740 for 208.29 feet - Enduro predicted	66650.15	666-50	587764.56	0.740	208.3								
W410	Wall change from .740 to .888 for 35.65 feet - Enduro predicted	66858.44	668-58	587969.58	0.888	35.6								
W411	Wall change from .888 to .740 for 178.74 feet - Enduro predicted	66894.09	668-94	587975.01	0.740	178.7								
W412	Wall change from .740 to .888 for 2.96 feet - Enduro predicted	67072.83	670+73	5881+66.29	0.888	3.0								
W413	Wall change from .888 to .740 for 6.30 feet - Enduro predicted	67075.79	670+76	588186.26	0.740	6.3								

		Bend Listing																	
		CUSTOMER/CONTRACTOR					EQT - Precision Pipeline					PIPE DIAMETER					42.000 in		
CUSTOMER LINE ID					MVP 61511-I-1					WALL THICKNESS					.000 in				
JOB NUMBER					B20-998E					PRODUCT					12400 CFM - 30 PSI				
LAUNCH STATION					Grassy Hill					RUN DATE					4-Dec-2023				
					Boones Mill, VA					FIELD ENGINEER					Scott Galcatcher				
RECEIVE STATION					Cahas Mountain					CHART ANALYST					Scott Galcatcher				
					Boones Mill, VA					REPORT DATE					12/05/2023				
PIPELINE LENGTH					5.35 mi					ISSUE #					1				
Event ID	Bend Dees	Bend Angle	Bend Direction	Comment	Enduro Station	Projected Station	Customer Station	Avg Mile Post	MCSD										
B1	3.0	46	Left	Before u/s w.: 0.4%(0.168) MCSD: 40.4 ID:40.5 mph:4.7 Clk:1 to 7 After d/s w. : 0.5%(0.192) MCSD: 40.1 ID:40.5 mph:2.4 Clk:2 to 8 MPH coming into Bend (-10ft): 3.0 Leaving Bend (+10ft): 2.5 Min MPH over range: 0.4 at index 762141	791.43	7+91		.15	39.99										
B2	3.0	46	Right	Before u/s w.: 0.6%(0.236) MCSD: 40.1 ID:40.5 mph:2.7 Clk:1 to 7 After d/s w. : 0.5%(0.225) MCSD: 40.3 ID:40.5 mph:6.7 Clk:1 to 7 MPH coming into Bend (-10ft): 2.9 Leaving Bend (+10ft): 8.2 Min MPH over range: 1.6 at index 775969	921.05	9+21		.17	39.46										
B3	3.0	53	Left	Before u/s w.: 0.3%(0.122) MCSD: 40.5 ID:40.5 mph:4.5 Clk:3 to 9 After d/s w. : 0.4%(0.151) MCSD: 40.4 ID:40.5 mph:2.6 Clk:4 to 10 MPH coming into Bend (-10ft): 2.6 Leaving Bend (+10ft): 2.5 Min MPH over range: 0.3 at index 902397	1962.26	19+62		.37	39.68										
B4	3.0	36	Left	Before u/s w.: 1.1%(0.461) MCSD: 40.4 ID:40.5 mph:4.2 Clk:6 to 12 After d/s w. : 0.8%(0.336) MCSD: 40.5 ID:40.5 mph:4.3 Clk:6 to 12 MPH coming into Bend (-10ft): 8.7 Leaving Bend (+10ft): 7.2 Min MPH over range: 0.6 at index 1079389	3439.71	34+40		.65	39.47										
B5	3.0	24	Left		3845.96	38+46		.73	39.88										
B6	3.0	36	Left		3854.38	38+54		.73	39.99										
B7	3.0	9	Down		3996.34	39+96		.76	39.95										

B8	3.0	35	Up-Right	Before u/s w.: 1.1%(0.446) MCSD: 40.4 ID:40.5 mph:0.8 Clk:4 to 10 After d/s w.: 0.9%(0.396) MCSD: 40.5 ID:40.5 mph:4.5 Clk:3 to 9 MPH coming into Bend (-10ft): 2.7 Leaving Bend (+10ft): 6.3 Min MPH over range: 0.3 at index 1146805	4003.57	40+04	.76	39.35						
B9	3.0	22	Right	Before u/s w.: 0.9%(0.359) MCSD: 40.5 ID:40.5 mph:4.4 Clk:6 to 12 After d/s w.: 1.2%(0.487) MCSD: 40.4 ID:40.5 mph:4.3 Clk:6 to 12 MPH coming into Bend (-10ft): 5.5 Leaving Bend (+10ft): 10.3 Min MPH over range: 3.5 at index 1159100	4109.05	41+09	.78	39.79						
B10	3.0	12	Up	Before u/s w.: 0.7%(0.276) MCSD: 40.0 ID:40.5 mph:3.6 Clk:3 to 9 After d/s w.: 0.6%(0.270) MCSD: 40.0 ID:40.5 mph:3.3 Clk:3 to 9 MPH coming into Bend (-10ft): 2.3 Leaving Bend (+10ft): 5.3 Min MPH over range: 0.8 at index 1329708	5522.21	55+22	1.05	39.82						
B11	3.0	29	Down-Left	Before u/s w.: 0.5%(0.195) MCSD: 40.1 ID:40.5 mph:2.6 Clk:2 to 8 After d/s w.: 0.5%(0.198) MCSD: 40.1 ID:40.5 mph:6.9 Clk:2 to 8 MPH coming into Bend (-10ft): 3.1 Leaving Bend (+10ft): 4.1 Min MPH over range: 0.8 at index 1329708	5533.76	55+34	1.05	39.63						
B12	3.0	12	Down	Before u/s w.: 0.2%(0.091) MCSD: 40.2 ID:40.5 mph:9.6 Clk:2 to 8 After d/s w.: 0.9%(0.376) MCSD: 39.9 ID:40.5 mph:11.6 Clk:4 to 10 MPH coming into Bend (-10ft): 10.6 Leaving Bend (+10ft): 14.6 Min MPH over range: 8.8 at index 1337982	5600.32	56+00	1.06	39.82						
B13	3.0	7	Up	Before u/s w.: 0.2%(0.064) MCSD: 40.5 ID:40.5 mph:15.7 Clk:6 to 12 After d/s w.: 0.5%(0.211) MCSD: 40.4 ID:40.5 mph:14.7 Clk:1 to 7 MPH coming into Bend (-10ft): 16.8 Leaving Bend (+10ft): 13.5 Min MPH over range: 13.0 at index 1341205	5626.07	56+26	1.07	39.60						

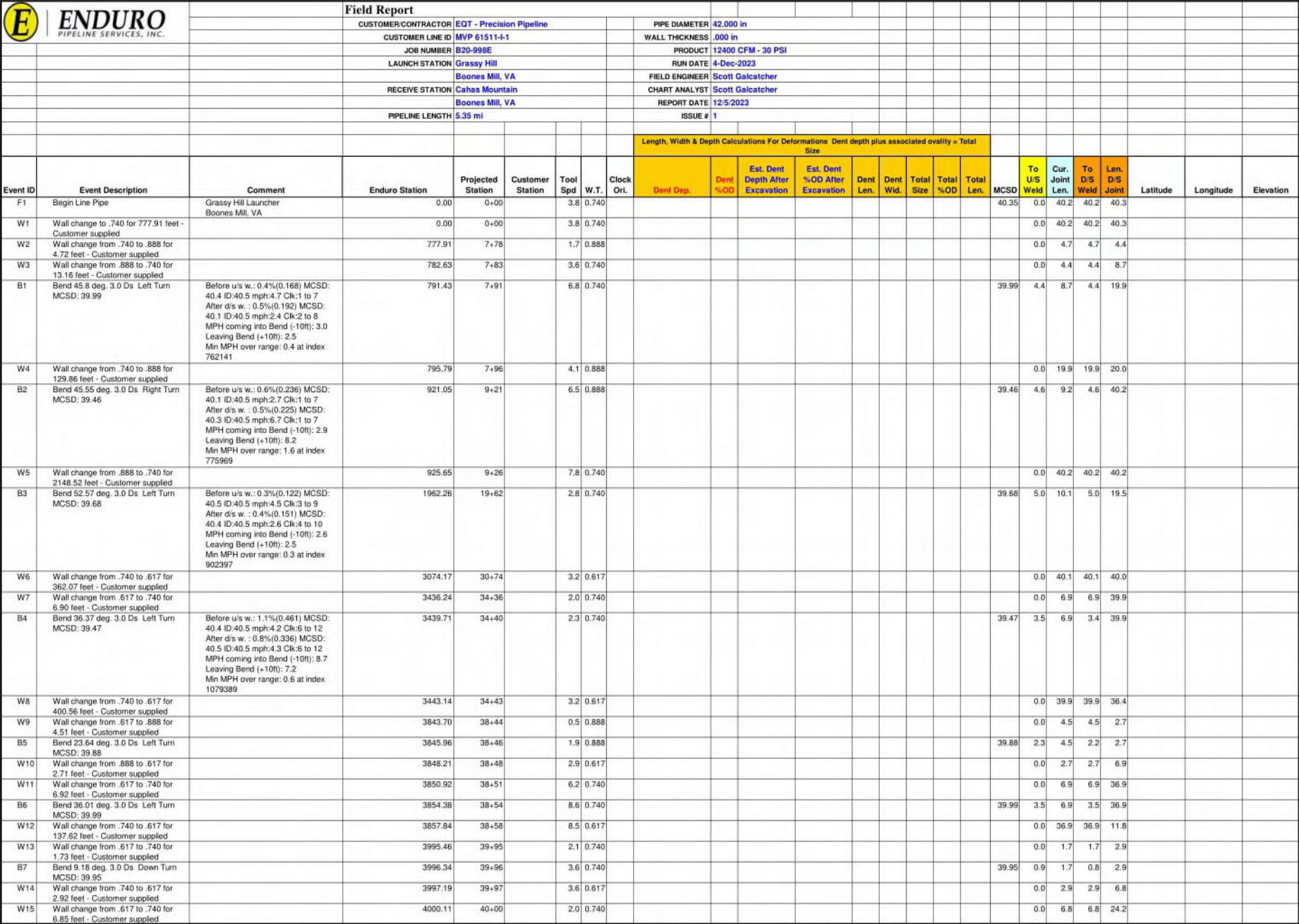
B14	3.0	57	Right	Before u/s w.: 0.5%(0.198) MCSD: 40.4 ID:40.5 mph:14.5 Clk:3 to 9 After d/s w.: 0.7%(0.305) MCSD: 40.3 ID:40.5 mph:11.0 Clk:4 to 10 MPH coming into Bend (-10ft): 14.5 Leaving Bend (+10ft): 10.1 Min MPH over range: 10.1 at index 1349939	5687.56	56+88	1.08	39.77							
B15	3.0	66	Left	Before u/s w.: 0.3%(0.112) MCSD: 40.5 ID:40.5 mph:3.0 Clk:1 to 7 After d/s w.: 0.4%(0.165) MCSD: 40.7 ID:40.5 mph:4.5 Clk:1 to 7 MPH coming into Bend (-10ft): 1.8 Leaving Bend (+10ft): 5.9 Min MPH over range: 0.7 at index 1479268	6777.75	67+78	1.28	39.66							
B16	3.0	45	Right	Before u/s w.: 0.5%(0.196) MCSD: 40.7 ID:40.5 mph:7.7 Clk:2 to 8 After d/s w.: 0.6%(0.267) MCSD: 40.6 ID:40.5 mph:6.0 Clk:3 to 9 MPH coming into Bend (-10ft): 9.2 Leaving Bend (+10ft): 6.8 Min MPH over range: 5.7 at index 1538456	7274.30	72+74	1.38	40.03							
B17	3.0	31	Up-Left	Before u/s w.: 0.7%(0.290) MCSD: 40.6 ID:40.5 mph:6.9 Clk:2 to 8 After d/s w.: 0.6%(0.259) MCSD: 40.6 ID:40.5 mph:3.6 Clk:2 to 8 MPH coming into Bend (-10ft): 4.9 Leaving Bend (+10ft): 7.5 Min MPH over range: 0.3 at index 1608564	7852.71	78+53	1.49	40.05							
B18	3.0	46	Left	Before u/s w.: 0.3%(0.128) MCSD: 40.5 ID:40.5 mph:10.0 Clk:6 to 12 After d/s w.: 0.3%(0.120) MCSD: 40.5 ID:40.5 mph:8.3 Clk:5 to 11 MPH coming into Bend (-10ft): 13.4 Leaving Bend (+10ft): 6.0 Min MPH over range: 6.0 at index 1750454	9024.62	90+25	1.71	39.83							
B19	3.0	45	Right	Before u/s w.: 0.7%(0.305) MCSD: 40.6 ID:40.5 mph:12.9 Clk:1 to 7 After d/s w.: 0.4%(0.188) MCSD: 40.7 ID:40.5 mph:10.9 Clk:1 to 7 MPH coming into Bend (-10ft): 12.6 Leaving Bend (+10ft): 11.0 Min MPH over range: 10.5 at index 1796486	9412.96	94+13	1.78	39.83							

B20	3.0	50	Right	Before u/s w.: 0.3%(0.108) MCSD: 40.8 ID:40.5 mph:8.1 Clk:1 to 7 After d/s w. : 0.2%(0.088) MCSD: 40.9 ID:40.5 mph:2.0 Clk:2 to 8 MPH coming into Bend (-10ft): 8.9 Leaving Bend (+10ft): 2.8 Min MPH over range: 0.3 at index 1845331	9825.67	98+26	1.86	40.54						
B21	3.0	41	Left	Before u/s w.: 0.5%(0.203) MCSD: 40.7 ID:40.5 mph:11.9 Clk:2 to 8 After d/s w. : 0.1%(0.046) MCSD: 40.8 ID:40.5 mph:11.6 Clk:1 to 7 MPH coming into Bend (-10ft): 11.7 Leaving Bend (+10ft): 8.2 Min MPH over range: 7.3 at index 2008314	11170.75	111+71	2.12	40.01						
B22	3.0	21	Left	Before u/s w.: 0.2%(0.075) MCSD: 40.8 ID:42.0 mph:10.5 Clk:4 to 10 After d/s w. : 0.3%(0.144) MCSD: 40.8 ID:42.0 mph:8.0 Clk:3 to 9 MPH coming into Bend (-10ft): 12.7 Leaving Bend (+10ft): 10.8 Min MPH over range: 7.3 at index 2008314	11179.56	111+80	2.12	39.74						
B23	3.0	23	Right	Before u/s w.: 1.2%(0.511) MCSD: 40.1 ID:40.5 mph:13.4 Clk:1 to 7 After d/s w. : 1.1%(0.452) MCSD: 40.2 ID:40.5 mph:12.6 Clk:1 to 7 MPH coming into Bend (-10ft): 12.7 Leaving Bend (+10ft): 14.6 Min MPH over range: 12.2 at index 2106217	12003.42	120+03	2.27	39.48						
B24	3.0	21	Up	Before u/s w.: 0.5%(0.200) MCSD: 40.4 ID:40.5 mph:12.2 Clk:4 to 10 After d/s w. : 0.6%(0.268) MCSD: 40.4 ID:40.5 mph:9.7 Clk:5 to 11 MPH coming into Bend (-10ft): 17.5 Leaving Bend (+10ft): 12.8 Min MPH over range: 9.4 at index 2113848	12061.94	120+62	2.28	39.45						
B25	3.0	44	Left	Before u/s w.: 0.5%(0.228) MCSD: 40.4 ID:40.5 mph:12.9 Clk:5 to 11 After d/s w. : 0.7%(0.283) MCSD: 40.3 ID:40.5 mph:13.3 Clk:5 to 11 MPH coming into Bend (-10ft): 15.4 Leaving Bend (+10ft): 14.2 Min MPH over range: 12.1 at index 2145213	12322.27	123+22	2.33	39.34						

B26	3.0	14	Right	Before u/s w.: 1.1%(0.442) MCSD: 40.2 ID:40.5 mph:9.1 Clk:6 to 12 After d/s w. : 0.7%(0.286) MCSD: 40.4 ID:40.5 mph:7.7 Clk:1 to 7 MPH coming into Bend (-10ft): 8.8 Leaving Bend (+10ft): 11.2 Min MPH over range: 7.7 at index 2317606	13761.34	137+61	2.61	39.92							
B27	3.0	28	Up	Before u/s w.: 0.7%(0.307) MCSD: 40.6 ID:40.5 mph:7.6 Clk:6 to 12 After d/s w. : 0.7%(0.274) MCSD: 40.7 ID:40.5 mph:5.1 Clk:6 to 12 MPH coming into Bend (-10ft): 10.2 Leaving Bend (+10ft): 9.1 Min MPH over range: 0.6 at index 2559812	15777.97	157+78	2.99	39.96							
B28	3.0	21	Down	Before u/s w.: 0.7%(0.301) MCSD: 40.6 ID:40.5 mph:8.2 Clk:4 to 10 After d/s w. : 0.3%(0.116) MCSD: 40.8 ID:40.5 mph:9.2 Clk:5 to 11 MPH coming into Bend (-10ft): 8.6 Leaving Bend (+10ft): 11.3 Min MPH over range: 7.2 at index 2572013	15878.54	158+79	3.01	39.92							
B29	3.0	7	Down	Before u/s w.: 0.1%(0.027) MCSD: 40.9 ID:40.5 mph:9.0 Clk:4 to 10 After d/s w. : 0.9%(0.387) MCSD: 40.3 ID:40.5 mph:10.1 Clk:6 to 12 MPH coming into Bend (-10ft): 7.5 Leaving Bend (+10ft): 11.9 Min MPH over range: 7.2 at index 2572013	15891.69	158+92	3.01	39.21							
B30	3.0	33	Up	Before u/s w.: 1.5%(0.646) MCSD: 40.3 ID:40.5 mph:11.7 Clk:3 to 9 After d/s w. : 1.4%(0.603) MCSD: 40.3 ID:40.5 mph:5.5 Clk:3 to 9 MPH coming into Bend (-10ft): 12.6 Leaving Bend (+10ft): 7.1 Min MPH over range: 5.4 at index 2676649	16747.35	167+47	3.17	39.65							
B31	3.0	37	Left	Before u/s w.: 0.5%(0.204) MCSD: 40.7 ID:40.5 mph:10.0 Clk:2 to 8 After d/s w. : 0.3%(0.131) MCSD: 40.8 ID:40.5 mph:5.9 Clk:3 to 9 MPH coming into Bend (-10ft): 10.8 Leaving Bend (+10ft): 10.0 Min MPH over range: 5.5 at index 2707964	17008.62	170+09	3.22	40.03							

B32	3.0	58	Right	Before u/s w.: 0.5%(0.191) MCSD: 40.8 ID:40.5 mph:10.5 Clk:1 to 7 After d/s w. : 0.3%(0.131) MCSD: 40.9 ID:40.5 mph:1.9 Clk:6 to 12 MPH coming into Bend (-10ft): 9.5 Leaving Bend (+10ft): 2.2 Min MPH over range: 0.9 at index 2791407	17700.59	177+01	3.35	39.83						
B33	3.0	36	Left	Before u/s w.: 1.5%(0.639) MCSD: 40.3 ID:40.5 mph:6.2 Clk:5 to 11 After d/s w. : 0.9%(0.384) MCSD: 40.5 ID:40.5 mph:3.3 Clk:5 to 11 MPH coming into Bend (-10ft): 7.8 Leaving Bend (+10ft): 6.7 Min MPH over range: 2.7 at index 2953000	19050.38	190+50	3.61	38.91						
B34	3.0	30	Left	Before u/s w.: 0.9%(0.396) MCSD: 40.5 ID:40.5 mph:12.1 Clk:5 to 11 After d/s w. : 0.5%(0.228) MCSD: 40.7 ID:40.5 mph:1.4 Clk:6 to 12 MPH coming into Bend (-10ft): 14.0 Leaving Bend (+10ft): 7.3 Min MPH over range: 0.2 at index 3086809	20166.00	201+66	3.82	40.01						
B35	3.0	21	Up-Right	Before u/s w.: 0.8%(0.333) MCSD: 40.6 ID:40.5 mph:9.2 Clk:6 to 12 After d/s w. : 0.4%(0.150) MCSD: 40.8 ID:40.5 mph:7.5 Clk:6 to 12 MPH coming into Bend (-10ft): 8.0 Leaving Bend (+10ft): 10.0 Min MPH over range: 7.2 at index 3126622	20497.57	204+98	3.88	39.46						
B36	3.0	46	Right	Before u/s w.: 0.3%(0.127) MCSD: 40.8 ID:40.5 mph:8.3 Clk:1 to 7 After d/s w. : 0.6%(0.246) MCSD: 40.7 ID:40.5 mph:9.3 Clk:6 to 12 MPH coming into Bend (-10ft): 9.8 Leaving Bend (+10ft): 9.0 Min MPH over range: 7.0 at index 3230353	21373.27	213+73	4.05	40.28						
B37	3.0	46	Right	Before u/s w.: 0.6%(0.258) MCSD: 40.8 ID:40.5 mph:10.1 Clk:1 to 7 After d/s w. : 0.3%(0.117) MCSD: 40.8 ID:40.5 mph:6.8 Clk:6 to 12 MPH coming into Bend (-10ft): 10.5 Leaving Bend (+10ft): 8.8 Min MPH over range: 6.4 at index 3353804	22388.83	223+89	4.24	40.33						

B38	3.0	29	Right	Before u/s w.: 1.9%(0.803) MCSD: 40.2 ID:40.5 mph:6.3 Clk:6 to 12 After d/s w.: 1.4%(0.602) MCSD: 40.4 ID:40.5 mph:1.8 Clk:6 to 12 MPH coming into Bend (-10ft): 7.9 Leaving Bend (+10ft): 10.4 Min MPH over range: 0.1 at index 3471871	23375.19	233+75	4.43	39.30							
B39	3.0	22	Left	Before u/s w.: 0.3%(0.136) MCSD: 40.9 ID:40.5 mph:9.1 Clk:1 to 7 After d/s w.: 0.3%(0.144) MCSD: 40.8 ID:40.5 mph:2.8 Clk:1 to 7 MPH coming into Bend (-10ft): 9.1 Leaving Bend (+10ft): 10.8 Min MPH over range: 0.2 at index 3544424	23981.10	239+81	4.54	40.34							
B40	3.0	59	Right	Before u/s w.: 0.7%(0.285) MCSD: 40.7 ID:40.5 mph:7.0 Clk:4 to 10 After d/s w.: 0.1%(0.040) MCSD: 40.9 ID:40.5 mph:1.0 Clk:4 to 10 MPH coming into Bend (-10ft): 7.3 Leaving Bend (+10ft): 0.5 Min MPH over range: 0.1 at index 3587395	24340.57	243+41	4.61	40.50							
B41	3.0	24	Right	Before u/s w.: 1.0%(0.406) MCSD: 40.6 ID:40.5 mph:11.9 Clk:3 to 9 After d/s w.: 0.8%(0.352) MCSD: 40.6 ID:40.5 mph:10.0 Clk:3 to 9 MPH coming into Bend (-10ft): 11.7 Leaving Bend (+10ft): 11.8 Min MPH over range: 9.7 at index 3636670	24749.22	247+49	4.69	40.17							
B42	3.0	46	Left		25083.02	250+83	4.75	40.29							
B43	3.0	45	Left	Before u/s w.: 0.7%(0.279) MCSD: 40.8 ID:40.5 mph:9.3 Clk:2 to 8 After d/s w.: 1.1%(0.471) MCSD: 40.5 ID:40.5 mph:8.7 Clk:3 to 9 MPH coming into Bend (-10ft): 9.0 Leaving Bend (+10ft): 7.6 Min MPH over range: 7.5 at index 3824950	26312.32	263+12	4.98	40.07							
B44	3.0	22	Up	Before u/s w.: 1.1%(0.470) MCSD: 40.5 ID:40.5 mph:3.8 Clk:3 to 9 After d/s w.: 0.9%(0.361) MCSD: 40.6 ID:40.5 mph:2.7 Clk:3 to 9 MPH coming into Bend (-10ft): 3.0 Leaving Bend (+10ft): 9.7 Min MPH over range: 0.4 at index 3987220	27676.63	276+77	5.24	39.77							



B8	Bend 35.22 deg. 3.0 Ds Up & Right Turn MCSD: 39.35	Before u/s w.: 1.1%(0.446) MCSD: 40.4 ID-40.5 mph:0.8 Clk:4 to 10 After d/s w.: 0.9%(0.396) MCSD: 40.5 ID-40.5 mph:4.5 Clk:3 to 9 MPH coming into Bend (-10ft): 2.7 Leaving Bend (+10ft): 6.3 Min MPH over range: 0.3 at index 1146805	4003.57	40+04		1.1	0.740										39.35	3.5	6.8	3.4	24.2							
W16	Wall change from .740 to .617 for 24.19 feet - Customer supplied		4006.96	40+07		3.0	0.617											0.0	24.2	24.2	34.5							
W17	Wall change from .617 to .740 for 73.40 feet - Customer supplied		4031.15	40+31		10.5	0.740											0.0	34.5	34.5	19.2							
W18	Wall change from .740 to .617 for 2.29 feet - Customer supplied		4104.55	41+05		4.8	0.617											0.0	2.3	2.3	4.4							
W19	Wall change from .617 to .740 for 4.42 feet - Customer supplied		4106.84	41+07		3.9	0.740											0.0	4.4	4.4	41.7							
B9	Bend 22.07 deg. 3.0 Ds Right Turn MCSD: 39.79	Before u/s w.: 0.9%(0.359) MCSD: 40.5 ID-40.5 mph:4.4 Clk:6 to 12 After d/s w.: 1.2%(0.487) MCSD: 40.4 ID-40.5 mph:4.3 Clk:6 to 12 MPH coming into Bend (-10ft): 5.5 Leaving Bend (+10ft): 10.3 Min MPH over range: 3.5 at index 1159100	4109.05	41+09		6.1	0.740										39.79	2.2	4.4	2.2	41.7							
W20	Wall change from .740 to .617 for 505.76 feet - Customer supplied		4111.26	41+11		4.8	0.617											0.0	41.7	41.7	40.6							
W21	Wall change from .617 to .740 for 840.62 feet - Customer supplied		4617.02	46+17		2.6	0.740											0.0	40.1	40.1	40.4							
W22	Wall change from .740 to .888 for 101.54 feet - Customer supplied		5457.63	54+58		2.3	0.888											0.0	24.1	24.1	40.0							
B10	Bend 12.45 deg. 3.0 Ds Up Turn MCSD: 39.82	Before u/s w.: 0.7%(0.276) MCSD: 40.0 ID-40.5 mph:3.6 Clk:3 to 9 After d/s w.: 0.6%(0.270) MCSD: 40.0 ID-40.5 mph:3.3 Clk:3 to 9 MPH coming into Bend (-10ft): 2.3 Leaving Bend (+10ft): 5.3 Min MPH over range: 0.8 at index 1329708	5522.21	55+22		2.6	0.888										39.82	0.5	2.2	1.8	7.4							
B11	Bend 28.81 deg. 3.0 Ds Down & Left Turn MCSD: 39.63	Before u/s w.: 0.5%(0.195) MCSD: 40.1 ID-40.5 mph:2.6 Clk:2 to 8 After d/s w.: 0.5%(0.198) MCSD: 40.1 ID-40.5 mph:6.9 Clk:2 to 8 MPH coming into Bend (-10ft): 3.1 Leaving Bend (+10ft): 4.1 Min MPH over range: 0.8 at index 1329708	5533.76	55+34		6.9	0.888										39.63	2.4	5.5	3.1	5.6							
W23	Wall change from .888 to .740 for 9.57 feet - Customer supplied		5559.17	55+59		6.6	0.740											0.0	9.6	9.6	2.5							
W24	Wall change from .740 to .888 for 2.48 feet - Customer supplied		5568.74	55+69		12.0	0.888											0.0	2.5	2.5	4.7							
W25	Wall change from .888 to .740 for 4.68 feet - Customer supplied		5571.22	55+71		13.3	0.740											0.0	4.7	4.7	11.8							
W26	Wall change from .740 to .888 for 25.57 feet - Customer supplied		5575.91	55+76		12.7	0.888											0.0	11.8	11.8	5.2							
B12	Bend 12.16 deg. 3.0 Ds Down Turn MCSD: 39.82	Before u/s w.: 0.2%(0.091) MCSD: 40.2 ID-40.5 mph:9.6 Clk:2 to 8 After d/s w.: 0.9%(0.376) MCSD: 39.9 ID-40.5 mph:11.6 Clk:4 to 10 MPH coming into Bend (-10ft): 10.6 Leaving Bend (+10ft): 14.6 Min MPH over range: 8.8 at index 1337982	5600.32	56+00		12.0	0.888										39.82	1.2	2.3	1.2	10.6							
W27	Wall change from .888 to .740 for 23.99 feet - Customer supplied		5601.48	56+01		12.5	0.740											0.0	10.6	10.6	13.4							
C1	Comment	Overspeed for 16.92 feet.	5607.76	56+08		15.7	0.740											6.3	10.6	4.3	13.4							
W28	Wall change from .740 to .888 for 1.22 feet - Customer supplied		5625.47	56+25		14.6	0.888											0.0	1.2	1.2	38.7							
B13	Bend 7.2 deg. 3.0 Ds Up Turn MCSD: 39.60	Before u/s w.: 0.2%(0.064) MCSD: 40.5 ID-40.5 mph:15.7 Clk:6 to 12 After d/s w.: 0.5%(0.211) MCSD: 40.4 ID-40.5 mph:14.7 Clk:1 to 7 MPH coming into Bend (-10ft): 16.8 Leaving Bend (+10ft): 13.5 Min MPH over range: 13.0 at index 1341205	5626.07	56+26		15.1	0.888										39.60	0.6	1.2	0.6	38.7							
W29	Wall change from .888 to .740 for 54.87 feet - Customer supplied		5626.69	56+27		15.2	0.740											0.0	38.7	38.7	16.2							
W30	Wall change from .740 to .617 for 11.97 feet - Customer supplied		5681.57	56+82		14.3	0.617											0.0	12.0	12.0	40.4							
B14	Bend 57.12 deg. 3.0 Ds Right Turn MCSD: 39.77	Before u/s w.: 0.5%(0.198) MCSD: 40.4 ID-40.5 mph:14.5 Clk:3 to 9 After d/s w.: 0.7%(0.305) MCSD: 40.3 ID-40.5 mph:11.0 Clk:4 to 10 MPH coming into Bend (-10ft): 14.5 Leaving Bend (+10ft): 10.1 Min MPH over range: 10.1 at index 1349939	5687.56	56+88		12.5	0.617										39.77	6.0	12.0	6.0	40.4							
W31	Wall change from .617 to .740 for 1090.74 feet - Customer supplied		5693.54	56+94		10.6	0.740											0.0	40.4	40.4	40.2							

W45	Wall change from .617 to .740 for 521.79 feet - Customer supplied		11479.47	114+79	10.2	0.740											0.0	40.3	40.3	40.3				
W46	Wall change from .740 to .888 for 4.33 feet - Customer supplied		12001.26	120+01	17.2	0.888											0.0	4.3	4.3	14.1				
B23	Bend 22.77 deg. 3.0 Ds Right Turn MCSD: 39.48	Before u/s w.: 1.2%(0.511) MCSD: 40.1 ID:40.5 mph:13.4 Ck:1 to 7 After d/s w.: 1.1%(0.452) MCSD: 40.2 ID:40.5 mph:12.6 Ck:1 to 7 MPH coming into Bend (-10ft): 12.7 Leaving Bend (+10ft): 14.6 Min MPH over range: 12.2 at index 2106217	12003.42	120+03	15.2	0.888											39.48	2.2	4.3	2.2	14.1			
W47	Wall change from .888 to .740 for 54.24 feet - Customer supplied		12005.59	120+06	14.8	0.740											0.0	14.1	14.1	40.2				
C2	Comment	Overspeed for 41.53 feet.	12015.02	120+15	15.7	0.740											9.4	14.1	4.7	40.2				
W48	Wall change from .740 to .888 for 4.21 feet - Customer supplied		12059.83	120+60	10.7	0.888											0.0	4.2	4.2	26.3				
B24	Bend 20.8 deg. 3.0 Ds Up Turn MCSD: 39.45	Before u/s w.: 0.5%(0.200) MCSD: 40.4 ID:40.5 mph:12.2 Ck:4 to 10 After d/s w.: 0.6%(0.268) MCSD: 40.4 ID:40.5 mph:9.7 Ck:5 to 11 MPH coming into Bend (-10ft): 17.5 Leaving Bend (+10ft): 12.8 Min MPH over range: 9.4 at index 2113848	12061.94	120+62	11.0	0.888											39.45	2.1	4.2	2.1	26.3			
W49	Wall change from .888 to .740 for 438.68 feet - Customer supplied		12064.04	120+64	10.5	0.740											0.0	26.3	26.3	40.2				
B25	Bend 44.48 deg. 3.0 Ds Left Turn MCSD: 39.34	Before u/s w.: 0.5%(0.228) MCSD: 40.4 ID:40.5 mph:12.9 Ck:5 to 11 After d/s w.: 0.7%(0.283) MCSD: 40.3 ID:40.5 mph:13.3 Ck:5 to 11 MPH coming into Bend (-10ft): 15.4 Leaving Bend (+10ft): 14.2 Min MPH over range: 12.1 at index 2145213	12322.27	123+22	13.5	0.740											39.34	4.4	8.8	4.4	27.5			
C3	Comment	Overspeed for 18.15 feet.	12457.38	124+57	15.7	0.740											35.1	40.5	5.4	39.9				
W50	Wall change from .740 to .888 for 80.90 feet - Customer supplied		12502.72	125+03	12.9	0.888											0.0	40.4	40.4	40.5				
W51	Wall change from .888 to .740 for 1199.40 feet - Customer supplied		12583.62	125+84	14.6	0.740											0.0	40.3	40.3	40.2				
C4	Comment	Overspeed for 97.70 feet.	12587.01	125+87	15.7	0.740											3.4	40.3	36.9	40.2				
C5	Comment	Overspeed for 23.24 feet.	12811.95	128+12	15.7	0.740											26.9	40.4	13.5	40.4				
B26	Bend 14.39 deg. 3.0 Ds Right Turn MCSD: 39.92	Before u/s w.: 1.1%(0.442) MCSD: 40.2 ID:40.5 mph:9.1 Ck:5 to 12 After d/s w.: 0.7%(0.286) MCSD: 40.4 ID:40.5 mph:7.7 Ck:1 to 7 MPH coming into Bend (-10ft): 8.8 Leaving Bend (+10ft): 11.2 Min MPH over range: 7.7 at index 2317606	13761.34	137+61	8.4	0.740											39.92	1.3	2.5	1.3	20.4			
W52	Wall change from .740 to .888 for 79.52 feet - Customer supplied		13783.02	137+83	13.2	0.888											0.0	39.1	39.1	40.4				
W53	Wall change from .888 to .740 for 698.27 feet - Customer supplied		13862.54	138+63	7.8	0.740											0.0	40.4	40.4	40.6				
W54	Wall change from .740 to .617 for 1214.89 feet - Customer supplied		14560.82	145+61	4.9	0.617											0.0	32.2	32.2	40.3				
W55	Wall change from .617 to .888 for 4.51 feet - Customer supplied		15775.71	157+76	6.1	0.888											0.0	4.5	4.5	41.4				
B27	Bend 27.8 deg. 3.0 Ds Up Turn MCSD: 39.96	Before u/s w.: 0.7%(0.307) MCSD: 40.6 ID:40.5 mph:7.6 Ck:6 to 12 After d/s w.: 0.7%(0.274) MCSD: 40.7 ID:40.5 mph:5.1 Ck:6 to 12 MPH coming into Bend (-10ft): 10.2 Leaving Bend (+10ft): 9.1 Min MPH over range: 0.6 at index 2559812	15777.97	157+78	4.5	0.888											39.96	2.3	4.5	2.2	41.4			
W56	Wall change from .888 to .617 for 96.42 feet - Customer supplied		15780.22	157+80	4.2	0.617											0.0	41.4	41.4	39.2				
W57	Wall change from .617 to .888 for 3.82 feet - Customer supplied		15876.63	158+77	9.1	0.888											0.0	3.8	3.8	2.2				
B28	Bend 20.96 deg. 3.0 Ds Down Turn MCSD: 39.92	Before u/s w.: 0.7%(0.301) MCSD: 40.6 ID:40.5 mph:8.2 Ck:4 to 10 After d/s w.: 0.3%(0.116) MCSD: 40.8 ID:40.5 mph:9.2 Ck:5 to 11 MPH coming into Bend (-10ft): 8.6 Leaving Bend (+10ft): 11.3 Min MPH over range: 7.2 at index 2572013	15878.54	158+79	10.0	0.888											39.92	1.9	3.8	1.9	2.2			
W58	Wall change from .888 to .617 for 10.50 feet - Customer supplied		15880.45	158+80	7.4	0.617											0.0	2.2	2.2	8.3				
W59	Wall change from .617 to .888 for 1.46 feet - Customer supplied		15890.95	158+91	12.1	0.888											0.0	1.5	1.5	40.5				
B29	Bend 6.77 deg. 3.0 Ds Down Turn MCSD: 39.21	Before u/s w.: 0.1%(0.027) MCSD: 40.9 ID:40.5 mph:9.0 Ck:4 to 10 After d/s w.: 0.9%(0.387) MCSD: 40.3 ID:40.5 mph:10.1 Ck:6 to 12 MPH coming into Bend (-10ft): 7.5 Leaving Bend (+10ft): 11.9 Min MPH over range: 7.2 at index 2572013	15891.69	158+92	11.4	0.888											39.21	0.7	1.5	0.7	40.5			

W60	Wall change from .888 to .740 for 81.10 feet - Customer supplied		15892.41	158+92	10.2	0.740											0.0	40.5	40.5	40.6				
W61	Wall change from .740 to .617 for 239.51 feet - Customer supplied		15973.51	159+74	12.8	0.617											0.0	39.5	39.5	39.6				
C6	Comment	Overspeed for 27.85 feet.	16062.31	160+62	15.7	0.617											9.8	39.6	29.9	40.1				
W62	Wall change from .617 to .888 for 491.51 feet - Customer supplied		16213.02	162+13	10.2	0.888											0.0	40.5	40.5	40.2				
W63	Wall change from .888 to .617 for 39.51 feet - Customer supplied		16704.52	167+05	9.4	0.617											0.0	39.5	39.5	6.6				
W64	Wall change from .617 to .740 for 6.62 feet - Customer supplied		16744.03	167+44	10.4	0.740											0.0	6.6	6.6	39.1				
B30	Bend 32.99 deg. 3.0 Ds Up Turn MCSD: 39.65	Before u/s w.: 1.5%(0.646) MCSD: 40.3 ID:40.5 mph:11.7 Ck:3 to 9 After d/s w.: 1.4%(0.603) MCSD: 40.3 ID:40.5 mph:5.5 Ck:3 to 9 MPH coming into Bend (-10ft): 12.6 Leaving Bend (+10ft): 7.1 Min MPH over range: 5.4 at index 2676649	16747.35	167+47	7.8	0.740										39.65	3.3	6.6	3.3	39.1				
W65	Wall change from .740 to .617 for 254.30 feet - Customer supplied		16750.66	167+51	5.9	0.617											0.0	39.1	39.1	40.4				
W66	Wall change from .617 to .740 for 7.32 feet - Customer supplied		17004.96	170+05	10.5	0.740											0.0	7.3	7.3	41.2				
B31	Bend 36.76 deg. 3.0 Ds Left Turn MCSD: 40.03	Before u/s w.: 0.5%(0.204) MCSD: 40.7 ID:40.5 mph:10.0 Ck:2 to 8 After d/s w.: 0.3%(0.131) MCSD: 40.8 ID:40.5 mph:5.9 Ck:3 to 9 MPH coming into Bend (-10ft): 10.8 Leaving Bend (+10ft): 10.0 Min MPH over range: 5.5 at index 2707964	17008.62	170+09	6.9	0.740										40.03	3.7	7.3	3.7	41.2				
W67	Wall change from .740 to .617 for 2034.52 feet - Customer supplied		17012.27	170+12	5.8	0.617											0.0	41.2	41.2	40.4				
B32	Bend 57.93 deg. 3.0 Ds Right Turn MCSD: 39.83	Before u/s w.: 0.5%(0.191) MCSD: 40.8 ID:40.5 mph:10.5 Ck:1 to 7 After d/s w.: 0.3%(0.131) MCSD: 40.9 ID:40.5 mph:1.9 Ck:6 to 12 MPH coming into Bend (-10ft): 9.5 Leaving Bend (+10ft): 2.2 Min MPH over range: 0.9 at index 2791407	17700.59	177+01	6.1	0.617										39.83	5.9	11.8	5.9	16.9				
W68	Wall change from .617 to .740 for 7.17 feet - Customer supplied		19046.80	190+47	7.1	0.740											0.0	7.2	7.2	40.5				
B33	Bend 35.9 deg. 3.0 Ds Left Turn MCSD: 38.91	Before u/s w.: 1.5%(0.639) MCSD: 40.3 ID:40.5 mph:6.2 Ck:5 to 11 After d/s w.: 0.9%(0.384) MCSD: 40.5 ID:40.5 mph:3.3 Ck:5 to 11 MPH coming into Bend (-10ft): 7.8 Leaving Bend (+10ft): 6.7 Min MPH over range: 2.7 at index 2953000	19050.38	190+50	6.4	0.740										38.91	3.6	7.2	3.6	40.5				
W69	Wall change from .740 to .617 for 1109.07 feet - Customer supplied		19053.97	190+54	4.8	0.617											0.0	40.5	40.5	39.3				
W70	Wall change from .617 to .740 for 5.94 feet - Customer supplied		20163.04	201+63	12.8	0.740											0.0	5.9	5.9	37.7				
B34	Bend 29.61 deg. 3.0 Ds Left Turn MCSD: 40.01	Before u/s w.: 0.9%(0.396) MCSD: 40.5 ID:40.5 mph:12.1 Ck:5 to 11 After d/s w.: 0.5%(0.228) MCSD: 40.7 ID:40.5 mph:1.4 Ck:6 to 12 MPH coming into Bend (-10ft): 14.0 Leaving Bend (+10ft): 7.3 Min MPH over range: 0.2 at index 3086809	20166.00	201+66	9.4	0.740										40.01	3.0	5.9	3.0	37.7				
W71	Wall change from .740 to .617 for 212.82 feet - Customer supplied		20168.98	201+69	5.5	0.617											0.0	37.7	37.7	13.3				
W72	Wall change from .617 to .740 for 96.76 feet - Customer supplied		20381.81	203+82	11.9	0.740											0.0	18.9	18.9	19.7				
W73	Wall change from .740 to .617 for 17.51 feet - Customer supplied		20478.57	204+79	3.5	0.617											0.0	17.5	17.5	3.9				
W74	Wall change from .617 to .888 for 3.90 feet - Customer supplied		20496.07	204+96	10.4	0.888											0.0	3.9	3.9	39.5				
B35	Bend 21.18 deg. 3.0 Ds Up & Right Turn MCSD: 39.46	Before u/s w.: 0.8%(0.333) MCSD: 40.6 ID:40.5 mph:9.2 Ck:6 to 12 After d/s w.: 0.4%(0.150) MCSD: 40.8 ID:40.5 mph:7.5 Ck:6 to 12 MPH coming into Bend (-10ft): 8.0 Leaving Bend (+10ft): 10.0 Min MPH over range: 7.2 at index 3126622	20497.57	204+98	10.1	0.888										39.46	1.5	3.9	2.4	39.5				
W75	Wall change from .888 to .617 for 2872.25 feet - Customer supplied		20499.97	205+00	9.0	0.617											0.0	39.5	39.5	41.4				
B36	Bend 45.6 deg. 3.0 Ds Right Turn MCSD: 40.28	Before u/s w.: 0.3%(0.127) MCSD: 40.8 ID:40.5 mph:8.3 Ck:1 to 7 After d/s w.: 0.6%(0.246) MCSD: 40.7 ID:40.5 mph:9.3 Ck:6 to 12 MPH coming into Bend (-10ft): 9.8 Leaving Bend (+10ft): 9.0 Min MPH over range: 7.0 at index 3230353	21373.27	213+73	10.5	0.617										40.28	4.6	9.2	4.6	38.7				

(b)(6)



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Has complied with the requirements of AWS QC1.
Standard for AWS Certification of Welding Inspectors.

(b)(6)

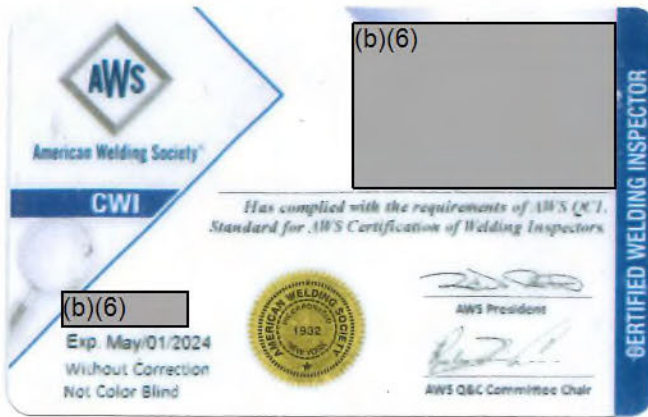
Exp. Jul/01/2024
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AWS President

AWS Q&C Committee Chair

CERTIFIED WELDING INSPECTOR





American Welding Society®

CWI

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*Has complied with the requirements of AWS QC1.
Standard for AWS Certification of Welding Inspectors.*

(b)(6)

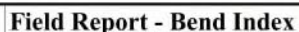
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AWS President

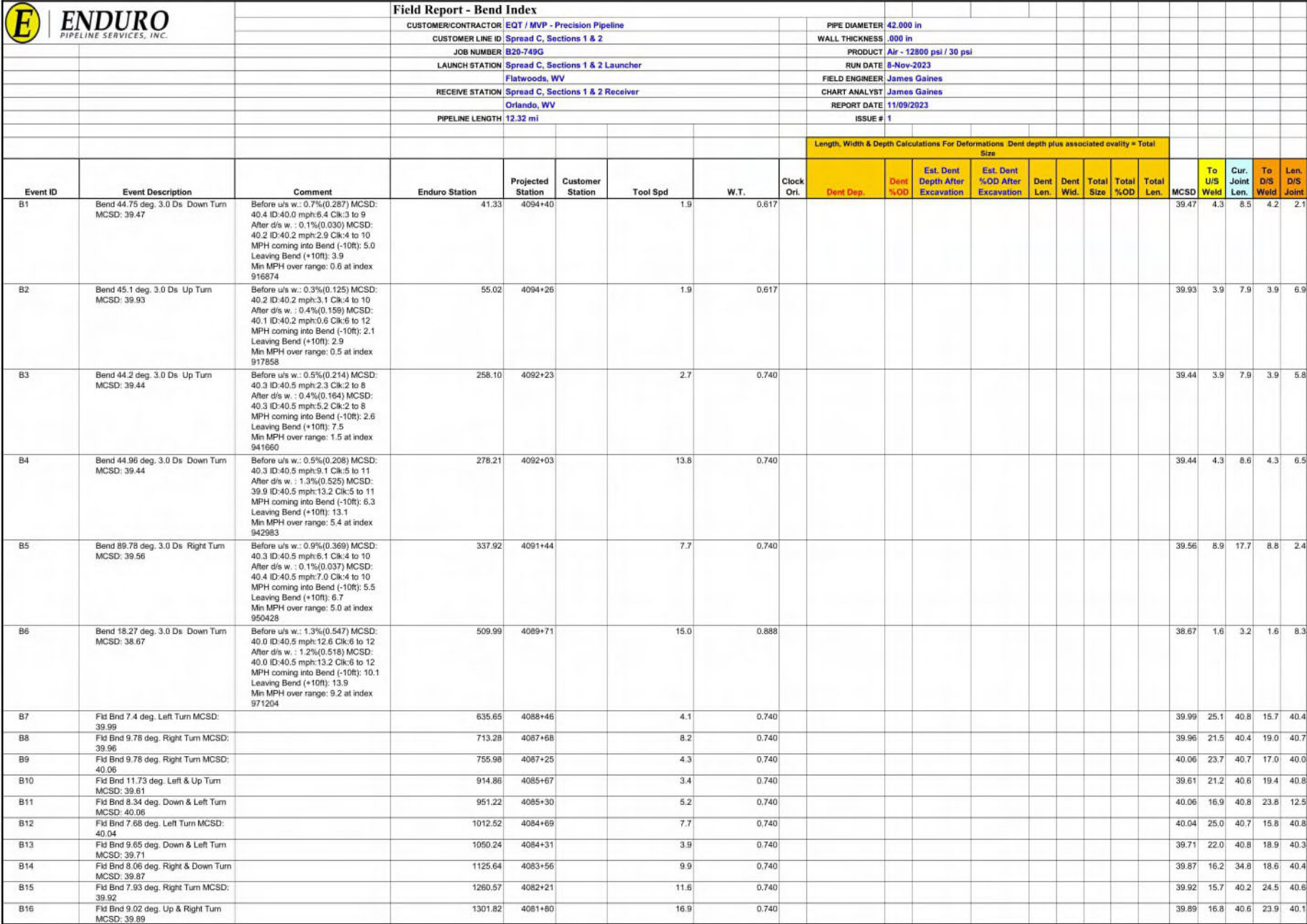

AWS Q&C Committee Chair

CERTIFIED WELDING INSPECTOR



CUSTOMER/CONTRACTOR	EQT / MVP - Precision Pipeline	PIPE DIAMETER	42.000 in
CUSTOMER LINE ID	Harris Launcher GAS	WALL THICKNESS	.617 in
JOB NUMBER	B20-749Gg	PRODUCT	Air
LAUNCH STATION	Harris Launcher GAS Launcher	RUN DATE	8-Nov-2023
	Flatwood, WV	FIELD ENGINEER	James Gaines
RECEIVE STATION	Harris Launcher GAS Receiver Tie-In	CHART ANALYST	James Gaines
	Flatwood, WV	REPORT DATE	11/09/2023
PIPELINE LENGTH	0.19 mi	ISSUE #	1

FIELDDB20-749Gg Field Report - Bend Index.xlsx



Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	Dent Dep.	Dent %OD	Est. Dent Depth After Excavation	Est. Dent %OD After Excavation	Dent Len.	Dent Wid.	Total Size	Total %OD	Total Len.	MCSO	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B17	Bend 35.32 deg. 3.0 Ds Right Turn MCSO: 39.83	Before u/s w.: 0.8%(0.320) MCSO: 40.3 ID:40.5 mph:10.4 Ck:1 to 7 After d/s w.: 0.3%(0.135) MCSO: 40.4 ID:40.5 mph:1.8 Ck:1 to 7 MPH coming into Bend (-10ft): 7.1 Leaving Bend (+10ft): 7.2 Min MPH over range: 0.3 at index 1082297	1421.79	4080+60		9.7	0.740											39.83	3.7	7.3	3.6	2.3
B18	Fld Bnd 5.81 deg. Right Turn MCSO: 40.02		1739.56	4077+42		10.6	0.740											40.02	17.3	40.5	23.2	39.8
B19	Fld Bnd 7.23 deg. Left Turn MCSO: 39.94		2069.92	4074+12		9.5	0.740											39.94	24.2	40.5	16.3	40.4
B20	Fld Bnd 9.92 deg. Left Turn MCSO: 40.10		2164.69	4073+17		5.6	0.740											40.10	17.3	40.3	23.0	40.5
B21	Fld Bnd 10.99 deg. Left Turn MCSO: 40.26		2205.95	4072+76		11.5	0.740											40.26	18.3	40.5	22.2	19.1
B22	Fld Bnd 11.2 deg. Right Turn MCSO: 39.68		2440.78	4070+41		1.5	0.740											39.68	18.1	40.5	22.4	26.2
B23	Bend 30.14 deg. 3.0 Ds Up & Right Turn MCSO: 39.49	Before u/s w.: 0.1%(0.043) MCSO: 40.5 ID:40.5 mph:16.5 Ck:3 to 9 After d/s w.: 0.2%(0.085) MCSO: 40.4 ID:40.5 mph:18.1 Ck:2 to 8 MPH coming into Bend (-10ft): 18.5 Leaving Bend (+10ft): 19.0 Min MPH over range: 16.5 at index 1220959	2587.99	4068+93		19.7	0.888											39.49	4.1	5.8	1.7	2.4
B24	Bend 30.38 deg. 3.0 Ds Left & Up Turn MCSO: 39.09	Before u/s w.: 0.4%(0.167) MCSO: 40.4 ID:40.5 mph:13.0 Ck:2 to 8 After d/s w.: 0.7%(0.276) MCSO: 40.2 ID:40.5 mph:12.3 Ck:3 to 9 MPH coming into Bend (-10ft): 0.3 Leaving Bend (+10ft): 13.2 Min MPH over range: 0.3 at index 1266313	2970.64	4065+11		14.1	0.888											39.09	2.8	5.6	2.8	2.4
B25	Fld Bnd 8.14 deg. Right Turn MCSO: 40.14		3328.43	4061+53		14.8	0.740											40.14	20.2	40.7	20.5	40.4
B26	Bend 29.35 deg. 3.0 Ds Up Turn MCSO: 39.91	Before u/s w.: 0.4%(0.169) MCSO: 40.5 ID:40.5 mph:3.1 Ck:3 to 9 After d/s w.: 0.2%(0.068) MCSO: 40.5 ID:40.5 mph:3.8 Ck:3 to 9 MPH coming into Bend (-10ft): 2.1 Leaving Bend (+10ft): 2.2 Min MPH over range: 1.0 at index 1374066	3864.27	4056+17		3.6	0.740											39.91	2.7	5.4	2.7	2.4
B27	Bend 18.86 deg. 3.0 Ds Up Turn MCSO: 39.43	Before u/s w.: 1.4%(0.573) MCSO: 40.1 ID:40.5 mph:0.8 Ck:3 to 9 After d/s w.: 1.0%(0.416) MCSO: 40.1 ID:40.5 mph:2.0 Ck:3 to 9 MPH coming into Bend (-10ft): 0.9 Leaving Bend (+10ft): 3.6 Min MPH over range: 0.2 at index 1377302	3893.15	4055+88		1.2	0.888											39.43	1.8	3.6	1.8	2.3
B28	Bend 18.13 deg. 3.0 Ds Left Turn MCSO: 39.34	Before u/s w.: 0.9%(0.369) MCSO: 40.2 ID:40.5 mph:7.4 Ck:5 to 11 After d/s w.: 0.8%(0.345) MCSO: 40.1 ID:40.5 mph:9.1 Ck:5 to 11 MPH coming into Bend (-10ft): 8.3 Leaving Bend (+10ft): 8.6 Min MPH over range: 6.7 at index 1384583	3951.80	4055+30		8.4	0.888											39.34	1.9	3.8	1.9	2.4
B29	Fld Bnd 10.42 deg. Left Turn MCSO: 40.10	Before u/s w.: 0.1%(0.027) MCSO: 40.5 ID:40.5 mph:3.8 Ck:1 to 7 After d/s w.: 0.4%(0.169) MCSO: 40.4 ID:40.5 mph:4.4 Ck:6 to 12 MPH coming into Bend (-10ft): 1.4 Leaving Bend (+10ft): 3.8 Min MPH over range: 0.7 at index 1437550	4387.52	4050+94		0.7	0.740											40.10	20.8	40.1	19.3	40.5
B30	Bend 29.49 deg. 3.0 Ds Right Turn MCSO: 39.67	Before u/s w.: 0.8%(0.331) MCSO: 40.3 ID:40.5 mph:11.0 Ck:1 to 7 After d/s w.: 1.1%(0.464) MCSO: 40.1 ID:40.5 mph:12.1 Ck:6 to 12 MPH coming into Bend (-10ft): 11.3 Leaving Bend (+10ft): 12.7 Min MPH over range: 10.0 at index 1452532	4516.72	4049+65		13.2	0.888											39.67	2.9	5.7	2.9	2.3
B31	Bend 37.19 deg. 3.0 Ds Left Turn MCSO: 39.24	Before u/s w.: 1.7%(0.735) MCSO: 39.8 ID:40.5 mph:29.2 Ck:3 to 9 After d/s w.: 1.2%(0.520) MCSO: 39.9 ID:40.5 mph:32.9 Ck:4 to 10 MPH coming into Bend (-10ft): 29.4 Leaving Bend (+10ft): 31.1 Min MPH over range: 24.6 at index 1492201	4841.86	4046+40		25.8	0.888											39.24	3.2	6.5	3.2	14.6

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	Dent Dep.	Dent %OD	Est. Dent Depth After Excavation	Est. Dent %OD After Excavation	Dent Len.	Dent Wid.	Total Size	Total %OD	Total Len.	MCS	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B32	Bend 53.92 deg. 3.0 Ds Left & Up Turn MCS: 38.41	Before u/s w.: 0.9%(0.397) MCS: 40.2 ID:40.5 mph:22.1 Ck:5 to 11 After d/s w.: 0.9%(0.362) MCS: 40.1 ID:40.5 mph:21.8 Ck:1 to 7 MPH coming into Bend (-10ft): 23.7 Leaving Bend (+10ft): 22.8 Min MPH over range: 18.6 at index 1514154	5027.63	4044+54		21.8	0.888											38.41	4.5	8.9	4.5	2.4
B33	Fld Bnd 5.1 deg. Right & Down Turn MCS: 39.71		5494.84	4039+87		9.5	0.740											39.71	19.9	40.7	20.7	40.5
B34	Fld Bnd 7.67 deg. Right Turn MCS: 40.04		6016.07	4034+65		13.4	0.740											40.04	21.6	40.6	19.0	40.6
B35	Fld Bnd 8.49 deg. Up & Right Turn MCS: 39.99		6120.39	4033+61		4.0	0.740											39.99	21.2	40.5	19.3	16.9
B36	Fld Bnd 10.26 deg. Right Turn MCS: 39.56		6479.82	4030+02		26.0	0.740											39.56	19.1	40.3	21.2	39.7
B37	Fld Bnd 8.87 deg. Right Turn MCS: 39.79		6517.27	4029+64		28.1	0.740											39.79	16.2	39.7	23.5	41.1
B38	Fld Bnd 7.9 deg. Right Turn MCS: 39.96		6556.52	4029+25		30.0	0.740											39.96	15.7	41.1	25.4	40.0
B39	Fld Bnd 8.51 deg. Up & Right Turn MCS: 40.05		6599.00	4028+82		30.8	0.740											40.05	17.1	40.0	22.9	40.4
B40	Fld Bnd 7.7 deg. Up & Right Turn MCS: 39.98		6767.05	4027+14		28.3	0.740											39.98	24.0	40.5	16.5	38.9
B41	Fld Bnd 8.76 deg. Right Turn MCS: 40.08		6806.41	4026+75		27.3	0.740											40.08	22.9	38.9	16.1	16.1
B42	Bend 35.02 deg. 3.0 Ds Up & Right Turn MCS: 39.84	Before u/s w.: 0.5%(0.208) MCS: 40.4 ID:40.5 mph:19.6 Ck:3 to 9 After d/s w.: 0.4%(0.161) MCS: 40.3 ID:40.5 mph:16.7 Ck:3 to 9 MPH coming into Bend (-10ft): 21.0 Leaving Bend (+10ft): 16.9 Min MPH over range: 16.6 at index 1739315	6896.59	4025+85		18.2	0.740											39.84	3.3	6.7	3.3	2.3
B43	Fld Bnd 10.17 deg. Down & Left Turn MCS: 39.74		7319.09	4021+62		17.6	0.740											39.74	20.5	40.5	20.1	40.3
B44	Fld Bnd 10.56 deg. Left Turn MCS: 39.77		7356.68	4021+25		20.0	0.740											39.77	17.5	40.3	22.7	23.5
B45	Fld Bnd 6.76 deg. Left Turn MCS: 40.02		7966.36	4015+15		4.8	0.740											40.02	11.8	40.3	28.5	40.5
B46	Fld Bnd 6.91 deg. Left Turn MCS: 40.07		8010.25	4014+71		5.9	0.740											40.07	15.4	40.5	25.1	10.1
B47	Bend 76.33 deg. 3.0 Ds Left & Up Turn MCS: 39.71	Before u/s w.: 0.6%(0.267) MCS: 40.4 ID:40.5 mph:13.6 Ck:1 to 7 After d/s w.: 0.7%(0.308) MCS: 40.2 ID:40.5 mph:17.0 Ck:1 to 7 MPH coming into Bend (-10ft): 16.5 Leaving Bend (+10ft): 16.3 Min MPH over range: 13.6 at index 1894611	8204.64	4012+77		16.0	0.617											39.71	6.8	13.7	6.8	2.6
B48	Fld Bnd 11.46 deg. Right Turn MCS: 39.93		8450.96	4010+31		12.5	0.740											39.93	18.3	40.6	22.3	40.1
B49	Fld Bnd 10.5 deg. Right Turn MCS: 39.96		8572.29	4009+09		11.1	0.740											39.96	18.5	40.8	22.3	40.3
B50	Fld Bnd 9.52 deg. Right Turn MCS: 39.85		8611.39	4008+70		11.0	0.740											39.85	16.8	40.3	23.5	36.1
B51	Bend 44.71 deg. 3.0 Ds Up & Right Turn MCS: 39.68	Before u/s w.: 0.1%(0.057) MCS: 40.6 ID:40.5 mph:10.9 Ck:6 to 12 After d/s w.: 0.5%(0.195) MCS: 40.4 ID:40.5 mph:11.9 Ck:2 to 8 MPH coming into Bend (-10ft): 10.0 Leaving Bend (+10ft): 13.2 Min MPH over range: 9.7 at index 1954979	8705.92	4007+76		13.0	0.888											39.68	4.6	9.2	4.6	2.3
B52	Fld Bnd 7.45 deg. Left Turn MCS: 39.85		9144.07	4003+37		13.6	0.740											39.85	23.2	40.6	17.5	40.7
B53	Fld Bnd 11.2 deg. Left Turn MCS: 39.92		9182.77	4002+99		11.5	0.740											39.92	21.2	40.7	19.4	23.3
B54	Fld Bnd 12.01 deg. Right Turn MCS: 40.21		9324.42	4001+57		7.0	0.740											40.21	18.0	40.6	22.6	40.7
B55	Fld Bnd 12.52 deg. Right Turn MCS: 39.84		9367.51	4001+14		8.9	0.740											39.84	20.5	40.7	20.2	24.1
B56	Fld Bnd 12.24 deg. Right Turn MCS: 39.88		9430.64	4000+51		9.9	0.740											39.88	18.8	40.8	22.0	39.1
B57	Fld Bnd 9.26 deg. Right Turn MCS: 40.17		9469.29	4000+12		13.2	0.740											40.17	16.6	39.1	22.4	12.0
B58	Bend 56.85 deg. 3.0 Ds Left & Up Turn MCS: 39.75	Before u/s w.: 0.2%(0.105) MCS: 40.5 ID:40.5 mph:10.2 Ck:3 to 9 After d/s w.: 0.7%(0.300) MCS: 40.3 ID:40.5 mph:11.7 Ck:3 to 9 MPH coming into Bend (-10ft): 10.0 Leaving Bend (+10ft): 11.2 Min MPH over range: 9.9 at index 2067794	9646.97	3998+35		11.5	0.617											39.75	5.6	11.2	5.6	5.5
B59	Fld Bnd 12.45 deg. Left Turn MCS: 40.07		10312.96	3991+69		12.3	0.740											40.07	21.0	40.6	19.5	16.0

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B60	Fld Bnd 7.46 deg. Up & Right Turn MCSD: 39.85		11110.05	3983+71		20.1	0.740											39.85	24.3	40.3	15.9	30.0
B61	Bend 34.8 deg. 3.0 Ds Up & Right Turn MCSD: 40.03	Before u/s w.: 0.2%(0.074) MCSD: 40.5 ID:40.5 mph:14.6 Ck:3 to 9 After d/s w.: 0.5%(0.224) MCSD: 40.3 ID:40.5 mph:14.4 Ck:2 to 8 MPH coming into Bend (-10ft): 15.3 Leaving Bend (+10ft): 15.4 Min MPH over range: 13.9 at index 2263774	11276.55	3982+05		18.0	0.740											40.03	2.3	7.2	4.9	3.1
B62	Fld Bnd 10.23 deg. Left Turn MCSD: 39.87		11427.13	3980+54		13.5	0.740											39.87	21.7	40.7	19.1	40.7
B63	Fld Bnd 10.21 deg. Down & Left Turn MCSD: 39.81		11463.36	3980+18		14.6	0.740											39.81	17.2	40.7	23.5	40.3
B64	Fld Bnd 8.77 deg. Left Turn MCSD: 39.89		11506.21	3979+75		13.9	0.740											39.89	19.3	40.3	21.0	40.4
B65	Bend 47.9 deg. 3.0 Ds Up & Right Turn MCSD: 39.56	Before u/s w.: 0.6%(0.235) MCSD: 40.4 ID:40.5 mph:11.9 Ck:3 to 9 After d/s w.: 0.3%(0.126) MCSD: 40.3 ID:40.5 mph:17.2 Ck:1 to 7 MPH coming into Bend (-10ft): 12.3 Leaving Bend (+10ft): 17.5 Min MPH over range: 10.8 at index 2333797	11864.98	3976+16		15.8	0.740											39.56	4.8	9.6	4.8	7.1
B66	Bend 32.5 deg. 3.0 Ds Up & Right Turn MCSD: 39.52	Before u/s w.: 1.3%(0.531) MCSD: 40.2 ID:40.5 mph:15.3 Ck:4 to 10 After d/s w.: 0.8%(0.318) MCSD: 40.2 ID:40.5 mph:16.9 Ck:2 to 6 MPH coming into Bend (-10ft): 15.0 Leaving Bend (+10ft): 17.6 Min MPH over range: 14.6 at index 2335193	11873.34	3976+08		17.9	0.740											39.52	3.6	7.1	3.6	2.3
B67	Fld Bnd 10.66 deg. Left Turn MCSD: 39.78		12126.28	3973+55		22.2	0.740											39.78	20.1	40.4	20.4	18.3
B68	Fld Bnd 14.73 deg. Down & Left Turn MCSD: 39.38		12185.93	3972+96		22.3	0.740											39.38	21.0	40.9	19.9	40.7
B69	Fld Bnd 10.06 deg. Left Turn MCSD: 39.92		12290.94	3971+91		22.3	0.740											39.92	18.5	40.5	22.0	39.1
B70	Fld Bnd 7.49 deg. Left & Up Turn MCSD: 40.00		12329.17	3971+52		25.1	0.740											40.00	16.2	39.1	22.9	40.3
B71	Fld Bnd 7.91 deg. Right Turn MCSD: 40.08		12526.47	3969+55		12.3	0.740											40.08	16.9	40.4	23.5	38.6
B72	Fld Bnd 10.2 deg. Right Turn MCSD: 40.06		12651.42	3968+30		16.5	0.740											40.06	22.2	40.4	18.2	40.4
B73	Fld Bnd 13.33 deg. Up & Right Turn MCSD: 40.02		12753.07	3967+28		13.6	0.740											40.02	20.8	40.8	19.9	39.5
B74	Bend 46.53 deg. 3.0 Ds Left Turn MCSD: 39.13	Before u/s w.: 0.8%(0.316) MCSD: 40.3 ID:40.5 mph:12.1 Ck:6 to 12 After d/s w.: 0.5%(0.195) MCSD: 40.4 ID:40.5 mph:1.9 Ck:6 to 12 MPH coming into Bend (-10ft): 11.2 Leaving Bend (+10ft): 0.1 Min MPH over range: 0.0 at index 2477314	13040.74	3964+41		7.1	0.740											39.13	4.0	10.1	6.1	3.1
B75	Bend 16.99 deg. 3.0 Ds Up Turn MCSD: 39.54	Before u/s w.: 0.6%(0.235) MCSD: 40.3 ID:40.5 mph:11.7 Ck:3 to 9 After d/s w.: 0.3%(0.133) MCSD: 40.5 ID:40.5 mph:11.5 Ck:4 to 10 MPH coming into Bend (-10ft): 13.6 Leaving Bend (+10ft): 11.5 Min MPH over range: 10.5 at index 2481111	13084.91	3963+97		13.0	0.888											39.54	1.5	2.9	1.4	2.6
B76	Bend 5.53 deg. 12.0 Ds Left & Up Turn MCSD: 39.93	Before u/s w.: 0.3%(0.107) MCSD: 40.5 ID:40.5 mph:7.3 Ck:6 to 12 After d/s w.: 0.1%(0.035) MCSD: 40.5 ID:40.5 mph:10.6 Ck:1 to 7 MPH coming into Bend (-10ft): 7.7 Leaving Bend (+10ft): 4.7 Min MPH over range: 0.0 at index 2506161	13289.75	3961+92		5.2	0.740											39.93	11.9	40.8	28.9	39.6
B77	Fld Bnd 7.67 deg. Left Turn MCSD: 40.04		13298.76	3961+83		4.0	0.740											40.04	20.9	40.8	19.9	39.6
B78	Bend 35.8 deg. 3.0 Ds Left & Up Turn MCSD: 39.75	Before u/s w.: 0.7%(0.282) MCSD: 40.3 ID:40.5 mph:15.1 Ck:6 to 12 After d/s w.: 0.8%(0.351) MCSD: 40.3 ID:40.5 mph:14.2 Ck:3 to 9 MPH coming into Bend (-10ft): 17.1 Leaving Bend (+10ft): 14.9 Min MPH over range: 13.6 at index 2545295	13614.09	3958+67		14.2	0.740											39.75	2.1	7.0	4.9	9.4

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B79	Bend 30.27 deg. 3.0 Ds Right Turn MCSD: 39.82	Before u/s w.: 0.5%(0.205) MCSD: 40.5 ID:40.5 mph:5.5 Cik:1 to 7 After d/s w.: 0.7%(0.278) MCSD: 40.3 ID:40.5 mph:5.5 Cik:1 to 7 MPH coming into Bend (-10ft): 3.9 Leaving Bend (+10ft): 7.3 Min MPH over range: 3.9 at index 2557305	13728.67	3957+53		5.9	0.888											39.82	2.9	5.9	2.9	2.5
B80	Bend 19.25 deg. 3.0 Ds Up & Right Turn MCSD: 39.74	Before u/s w.: 0.9%(0.358) MCSD: 40.2 ID:40.5 mph:11.1 Cik:1 to 7 After d/s w.: 0.9%(0.368) MCSD: 40.2 ID:40.5 mph:12.0 Cik:1 to 7 MPH coming into Bend (-10ft): 12.4 Leaving Bend (+10ft): 14.3 Min MPH over range: 10.8 at index 2573383	13856.08	3956+25		13.2	0.888											39.74	1.7	3.5	1.7	24.3
B81	Bend 36.25 deg. 3.0 Ds Up & Right Turn MCSD: 39.19	Before u/s w.: 1.3%(0.546) MCSD: 40.1 ID:40.5 mph:12.6 Cik:5 to 11 After d/s w.: 1.2%(0.506) MCSD: 40.1 ID:40.5 mph:8.1 Cik:4 to 10 MPH coming into Bend (-10ft): 13.1 Leaving Bend (+10ft): 9.0 Min MPH over range: 7.9 at index 2578371	13888.38	3955+93		10.7	0.740											39.19	3.6	7.3	3.6	1.5
B82	Bend 35.5 deg. 3.0 Ds Up Turn MCSD: 39.69	Before u/s w.: 0.8%(0.325) MCSD: 40.2 ID:40.5 mph:0.3 Cik:1 to 7 After d/s w.: 0.8%(0.319) MCSD: 40.2 ID:40.5 mph:1.6 Cik:6 to 12 MPH coming into Bend (-10ft): 0.1 Leaving Bend (+10ft): 2.5 Min MPH over range: 0.0 at index 2600917	14086.99	3953+94		0.6	0.888											39.69	3.1	6.1	3.0	2.7
B83	Bend 30.28 deg. 3.0 Ds Right Turn MCSD: 39.46	Before u/s w.: 1.1%(0.458) MCSD: 40.2 ID:40.5 mph:6.6 Cik:1 to 7 After d/s w.: 1.1%(0.460) MCSD: 40.1 ID:40.5 mph:8.6 Cik:1 to 7 MPH coming into Bend (-10ft): 4.4 Leaving Bend (+10ft): 9.5 Min MPH over range: 4.4 at index 2605686	14131.35	3953+50		8.0	0.888											39.46	3.2	6.4	3.2	2.3
B84	Fld Bnd 5.89 deg. Right & Down Turn MCSD: 39.80		14189.49	3952+92		16.1	0.740											39.80	14.9	30.0	15.1	40.5
B85	Bend 61.83 deg. 3.0 Ds Left Turn MCSD: 38.46	Before u/s w.: 0.1%(0.047) MCSD: 40.5 ID:40.5 mph:30.0 Cik:3 to 9 After d/s w.: 1.0%(0.400) MCSD: 40.0 ID:40.2 mph:30.1 Cik:4 to 10 MPH coming into Bend (-10ft): 30.5 Leaving Bend (+10ft): 26.9 Min MPH over range: 26.2 at index 2638720	14387.55	3950+94		31.3	0.888											38.46	5.9	11.7	5.8	6.6
B86	Fld Bnd 9.56 deg. Right Turn MCSD: 39.78	Before u/s w.: 0.2%(0.078) MCSD: 40.5 ID:40.5 mph:6.6 Cik:6 to 12 After d/s w.: 0.2%(0.089) MCSD: 40.5 ID:40.5 mph:5.4 Cik:3 to 9 MPH coming into Bend (-10ft): 2.7 Leaving Bend (+10ft): 7.5 Min MPH over range: 2.5 at index 2671606	14660.32	3948+21		1.0	0.740											39.78	20.3	40.9	20.6	35.1
B87	Fld Bnd 7.12 deg. Left & Up Turn MCSD: 39.97		14992.97	3944+89		31.5	0.740											39.97	23.4	40.0	16.6	40.7
B88	Bend 8.03 deg. 12.0 Ds Left & Up Turn MCSD: 39.70		15251.11	3942+30		44.2	0.740											39.70	10.5	36.1	25.5	37.8
B89	Bend 9.64 deg. 12.0 Ds Left & Up Turn MCSD: 39.97	Before u/s w.: 0.3%(0.130) MCSD: 40.4 ID:40.5 mph:46.1 Cik:6 to 12 After d/s w.: 0.3%(0.105) MCSD: 40.4 ID:40.5 mph:46.4 Cik:1 to 7 MPH coming into Bend (-10ft): 47.5 Leaving Bend (+10ft): 46.0 Min MPH over range: 40.5 at index 2752513	15335.84	3941+46		47.5	0.740											39.97	21.4	36.1	14.8	35.9
B90	Bend 10.26 deg. 12.0 Ds Left & Up Turn MCSD: 39.94	Before u/s w.: 0.4%(0.158) MCSD: 40.3 ID:40.5 mph:45.1 Cik:6 to 12 After d/s w.: 0.3%(0.105) MCSD: 40.4 ID:40.5 mph:48.1 Cik:6 to 12 MPH coming into Bend (-10ft): 48.4 Leaving Bend (+10ft): 45.5 Min MPH over range: 41.8 at index 2755108	15372.18	3941+09		48.5	0.740											39.94	21.6	35.9	14.3	35.4
B91	Fld Bnd 7.76 deg. Left & Up Turn MCSD: 40.05		15437.19	3940+44		48.3	0.740											40.05	15.3	35.7	20.4	8.8

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B92	Bend 45.4 deg. 3.0 Ds Up Turn MCSO: 35.75	Before u/s w.: 0.5%(0.195) MCSO: 40.3 ID:40.5 mph:44.7 Ck:6 to 12 After d/s w.: 2.5%(1.059) MCSO: 39.4 ID:40.5 mph:41.9 Ck:1 to 7 MPH coming into Bend (-10ft): 47.3 Leaving Bend (+10ft): 44.1 Min MPH over range: 39.4 at index 2767429	15471.87	3940+10		47.5	0.888											35.75	2.7	5.4	2.7	2.9
B93	Bend 20.0 deg. 3.0 Ds Left & Up Turn MCSO: 38.86	Before u/s w.: 1.0%(0.414) MCSO: 40.0 ID:40.5 mph:32.5 Ck:6 to 12 After d/s w.: 1.0%(0.438) MCSO: 39.9 ID:40.2 mph:33.8 Ck:2 to 8 MPH coming into Bend (-10ft): 35.0 Leaving Bend (+10ft): 30.7 Min MPH over range: 27.3 at index 2786268	15629.97	3938+51		29.5	0.888											38.86	2.0	4.1	2.0	4.3
B94	Fld Bnd 6.23 deg. Left Turn MCSO: 40.19		15849.83	3936+32		18.2	0.740											40.19	18.1	38.9	20.8	40.4
B95	Fld Bnd 10.3 deg. Left Turn MCSO: 40.08		15890.57	3935+91		16.3	0.740											40.08	19.9	40.4	20.5	40.4
B96	Fld Bnd 7.1 deg. Left Turn MCSO: 40.01		15929.12	3935+52		14.4	0.740											40.01	16.0	40.4	22.3	26.4
B97	Bend 35.06 deg. 3.0 Ds Right Turn MCSO: 39.95	Before u/s w.: 0.4%(0.168) MCSO: 40.5 ID:40.5 mph:8.7 Ck:4 to 10 After d/s w.: 0.5%(0.199) MCSO: 40.4 ID:40.5 mph:9.5 Ck:4 to 10 MPH coming into Bend (-10ft): 9.3 Leaving Bend (+10ft): 10.2 Min MPH over range: 7.4 at index 2863775	16277.79	3932+04		10.4	0.888											39.95	3.5	7.0	3.5	2.4
B98	Bend 72.35 deg. 3.0 Ds Right Turn MCSO: 39.69	Before u/s w.: 0.4%(0.157) MCSO: 40.5 ID:40.5 mph:17.0 Ck:6 to 12 After d/s w.: 0.4%(0.156) MCSO: 40.3 ID:40.5 mph:20.6 Ck:6 to 12 MPH coming into Bend (-10ft): 17.5 Leaving Bend (+10ft): 18.3 Min MPH over range: 16.9 at index 2880249	16418.13	3930+63		20.9	0.888											39.69	7.0	13.9	7.0	2.3
B99	Fld Bnd 11.24 deg. Left Turn MCSO: 40.01		17109.97	3923+71		19.2	0.740											40.01	19.5	40.3	20.8	40.4
B100	Bend 6.07 deg. 7.0 Ds Left Turn MCSO: 39.98	Before u/s w.: 0.2%(0.096) MCSO: 40.4 ID:40.5 mph:8.8 Ck:6 to 12 After d/s w.: 0.0%(0.006) MCSO: 40.5 ID:40.5 mph:1.6 Ck:6 to 12 MPH coming into Bend (-10ft): 7.3 Leaving Bend (+10ft): 0.5 Min MPH over range: 0.0 at index 2996201	17374.57	3921+07		1.5	0.740											39.98	23.4	40.9	17.5	40.3
B101	Fld Bnd 7.73 deg. Right Turn MCSO: 40.03		17408.77	3920+73		0.6	0.740											40.03	16.7	40.3	23.5	40.5
B102	Bend 90.86 deg. 3.0 Ds Left & Up Turn MCSO: 39.50	Before u/s w.: 0.9%(0.382) MCSO: 40.2 ID:40.5 mph:16.7 Ck:6 to 12 After d/s w.: 1.2%(0.516) MCSO: 40.0 ID:40.5 mph:18.8 Ck:2 to 8 MPH coming into Bend (-10ft): 16.8 Leaving Bend (+10ft): 19.0 Min MPH over range: 13.1 at index 3021940	17591.70	3918+90		16.4	0.888											39.50	7.6	15.1	7.6	31.9
B103	Fld Bnd 8.4 deg. Up & Right Turn MCSO: 40.01		17812.76	3916+69		36.6	0.740											40.01	23.9	39.8	15.9	40.4
B104	Fld Bnd 7.55 deg. Up & Right Turn MCSO: 40.02		17853.95	3916+28		35.5	0.740											40.02	25.3	40.4	15.1	40.2
B105	Bend 21.58 deg. 3.0 Ds Up Turn MCSO: 39.15	Before u/s w.: 1.0%(0.413) MCSO: 40.1 ID:40.5 mph:20.9 Ck:3 to 9 After d/s w.: 0.7%(0.273) MCSO: 40.3 ID:40.5 mph:18.6 Ck:3 to 9 MPH coming into Bend (-10ft): 22.6 Leaving Bend (+10ft): 17.4 Min MPH over range: 15.4 at index 3092901	18183.67	3912+98		22.5	0.888											39.15	2.1	4.2	2.1	2.4
B106	Bend 15.66 deg. 3.0 Ds Up Turn MCSO: 39.47	Before u/s w.: 1.1%(0.456) MCSO: 40.0 ID:40.2 mph:17.2 Ck:3 to 9 After d/s w.: 1.7%(0.703) MCSO: 39.6 ID:40.2 mph:17.8 Ck:3 to 9 MPH coming into Bend (-10ft): 17.4 Leaving Bend (+10ft): 15.7 Min MPH over range: 15.7 at index 3095962	18201.56	3912+80		18.2	0.888											39.47	1.5	3.0	1.5	40.6
B107	Bend 45.7 deg. 3.0 Ds Left Turn MCSO: 39.81	Before u/s w.: 0.0%(0.008) MCSO: 40.6 ID:40.5 mph:14.6 Ck:3 to 9 After d/s w.: 0.6%(0.262) MCSO: 40.3 ID:40.5 mph:18.8 Ck:4 to 10 MPH coming into Bend (-10ft): 14.9 Leaving Bend (+10ft): 18.9 Min MPH over range: 14.5 at index 3111616	18343.30	3911+38		17.2	0.740											39.81	4.0	8.0	4.0	8.3

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B108	Bend 26.54 deg. 3.0 Ds Up Turn MCSD: 37.05	Before u/s w.: 0.5%(0.224) MCSD: 40.4 ID:40.5 mph:33.6 Ck:5 to 11 After d/s w.: 2.4%(1.013) MCSD: 39.5 ID:40.5 mph:37.4 Ck:4 to 10 MPH coming into Bend (-10ft): 35.5 Leaving Bend (+10ft): 37.5 Min MPH over range: 32.4 at index 3149506	18651.99	3908+29		35.0	0.888											37.05	2.7	4.9	2.1	2.4
B109	Bend 33.58 deg. 3.0 Ds Up Turn MCSD: 38.73	Before u/s w.: 1.4%(0.596) MCSD: 40.0 ID:40.5 mph:30.8 Ck:4 to 10 After d/s w.: 1.5%(0.614) MCSD: 40.0 ID:40.5 mph:31.8 Ck:3 to 9 MPH coming into Bend (-10ft): 35.0 Leaving Bend (+10ft): 31.6 Min MPH over range: 30.1 at index 3157390	18721.38	3907+60		32.5	0.888											38.73	3.5	7.0	3.5	40.1
B110	Bend 27.24 deg. 3.0 Ds Up & Right Turn MCSD: 39.68	Before u/s w.: 0.7%(0.276) MCSD: 40.3 ID:40.5 mph:22.7 Ck:0 to 6 After d/s w.: 0.5%(0.190) MCSD: 40.4 ID:40.5 mph:22.7 Ck:5 to 11 MPH coming into Bend (-10ft): 22.5 Leaving Bend (+10ft): 22.2 Min MPH over range: 21.1 at index 3167986	18803.62	3906+78		27.3	0.888											39.68	3.0	5.9	3.0	2.4
B111	Fld Bnd 5.23 deg. Left Turn MCSD: 39.99		19222.87	3902+59		10.7	0.740											39.99	24.7	40.4	15.7	40.4
B112	Fld Bnd 7.46 deg. Right Turn MCSD: 40.09		19756.20	3897+25		20.8	0.740											40.09	22.8	40.6	17.8	40.3
B113	Fld Bnd 13.5 deg. Right Turn MCSD: 40.09		19794.72	3896+87		19.5	0.740											40.09	20.7	40.3	19.5	40.9
B114	Fld Bnd 14.44 deg. Right Turn MCSD: 39.74		19833.75	3896+48		20.4	0.740											39.74	19.5	40.9	21.4	40.9
B115	Fld Bnd 11.4 deg. Right Turn MCSD: 39.98		19875.78	3896+06		22.6	0.740											39.98	20.6	40.9	20.3	18.9
B116	Fld Bnd 8.98 deg. Left Turn MCSD: 40.08		20051.55	3894+30		25.6	0.740											40.08	16.8	40.1	23.3	40.2
B117	Fld Bnd 8.02 deg. Left & Up Turn MCSD: 40.08		20090.07	3893+91		25.3	0.740											40.08	15.2	40.2	25.0	11.0
B118	Fld Bnd 7.5 deg. Left Turn MCSD: 40.02		20148.75	3893+33		24.6	0.740											40.02	22.7	40.1	17.4	38.9
B119	Fld Bnd 7.75 deg. Down & Left Turn MCSD: 39.93		20186.22	3892+95		25.6	0.740											39.93	20.0	38.9	18.8	31.9
B120	Fld Bnd 8.33 deg. Right Turn MCSD: 40.30	Before u/s w.: 0.4%(0.176) MCSD: 40.7 ID:40.8 mph:11.3 Ck:6 to 12 After d/s w.: 0.5%(0.216) MCSD: 40.6 ID:40.8 mph:1.7 Ck:6 to 12 MPH coming into Bend (-10ft): 11.7 Leaving Bend (+10ft): 4.5 Min MPH over range: 0.1 at index 3424027	20957.36	3885+24		4.4	0.617											40.30	23.7	41.9	18.1	41.2
B121	Fld Bnd 6.6 deg. Right Turn MCSD: 40.31	Before u/s w.: 0.7%(0.278) MCSD: 40.6 ID:40.8 mph:3.9 Ck:6 to 12 After d/s w.: 0.4%(0.169) MCSD: 40.7 ID:40.8 mph:11.8 Ck:6 to 12 MPH coming into Bend (-10ft): 4.3 Leaving Bend (+10ft): 5.7 Min MPH over range: 0.0 at index 3428820	20999.87	3884+82		4.7	0.617											40.31	24.4	41.2	16.8	41.1
B122	Fld Bnd 7.51 deg. Right Turn MCSD: 40.26		21081.65	3884+00		5.6	0.617											40.26	23.8	41.3	17.4	41.4
B123	Fld Bnd 5.55 deg. Right Turn MCSD: 40.22		21119.99	3883+61		4.4	0.617											40.22	20.9	41.4	20.4	42.1
B124	Fld Bnd 9.65 deg. Right Turn MCSD: 40.29		21162.66	3883+19		3.2	0.617											40.29	22.2	42.1	19.9	14.2
B125	Bend 23.15 deg. 3.0 Ds Up Turn MCSD: 39.53	Before u/s w.: 0.6%(0.235) MCSD: 40.6 ID:40.8 mph:0.5 Ck:2 to 8 After d/s w.: 2.0%(0.827) MCSD: 40.0 ID:40.8 mph:1.5 Ck:3 to 9 MPH coming into Bend (-10ft): 2.5 Leaving Bend (+10ft): 2.2 Min MPH over range: 0.0 at index 3464187	21279.93	3882+02		0.7	0.617											39.53	0.4	3.6	3.2	18.3
B126	Fld Bnd 11.92 deg. Left Turn MCSD: 40.34		21320.32	3881+61		1.4	0.617											40.34	18.9	39.7	20.9	28.6
B127	Fld Bnd 7.07 deg. Right Turn MCSD: 40.38		21808.11	3876+73		12.4	0.617											40.38	22.2	41.6	19.4	41.9
B128	Bend 57.73 deg. 3.0 Ds Up & Right Turn MCSD: 39.98	Before u/s w.: 1.0%(0.423) MCSD: 40.5 ID:40.8 mph:9.5 Ck:6 to 12 After d/s w.: 0.6%(0.272) MCSD: 40.5 ID:40.8 mph:14.1 Ck:6 to 12 MPH coming into Bend (-10ft): 10.7 Leaving Bend (+10ft): 14.6 Min MPH over range: 7.7 at index 3564591	22120.85	3873+61		14.1	0.617											39.98	5.6	11.2	5.6	41.4

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	Dent Dep.	Dent %OD	Est. Dent Depth After Excavation	Est. Dent %OD After Excavation	Dent Len.	Dent Wid.	Total Size	Total %OD	Total Len.	MCS	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B129	Bend 36.78 deg. 3.0 Ds Left Turn MCSD: 39.27	Before u/s w.: 1.9%(0.794) MCSD: 40.0 ID:40.8 mph:26.8 Ck:2 to 8 After d/s w.: 1.1%(0.461) MCSD: 40.3 ID:40.8 mph:28.2 Ck:4 to 10 MPH coming into Bend (-10ft): 27.8 Leaving Bend (+10ft): 27.8 Min MPH over range: 25.4 at index 3581636	22252.54	3872+29		26.6	0.888											39.27	3.3	6.6	3.3	19.1
B130	Bend 37.64 deg. 3.0 Ds Left & Up Turn MCSD: 39.13	Before u/s w.: 1.0%(0.400) MCSD: 40.4 ID:40.8 mph:27.4 Ck:6 to 12 After d/s w.: 1.4%(0.567) MCSD: 40.1 ID:40.5 mph:30.0 Ck:2 to 8 MPH coming into Bend (-10ft): 28.6 Leaving Bend (+10ft): 29.1 Min MPH over range: 26.6 at index 3587537	22307.88	3871+74		29.1	0.888											39.13	3.1	6.2	3.1	9.9
B131	Bend 26.1 deg. 3.0 Ds Up Turn MCSD: 38.11	Before u/s w.: 0.9%(0.385) MCSD: 40.4 ID:40.8 mph:31.5 Ck:2 to 8 After d/s w.: 1.7%(0.714) MCSD: 40.0 ID:40.8 mph:33.9 Ck:3 to 9 MPH coming into Bend (-10ft): 33.1 Leaving Bend (+10ft): 32.7 Min MPH over range: 31.1 at index 3600423	22415.82	3870+66		35.4	0.888											38.11	2.3	4.7	2.3	27.0
B132	Fld Bnd 5.68 deg. Left & Up Turn MCSD: 40.39		22524.27	3869+57		33.4	0.617											40.39	20.8	41.3	20.5	22.5
B133	Bend 35.2 deg. 3.0 Ds Up Turn MCSD: 38.72	Before u/s w.: 0.3%(0.126) MCSD: 40.7 ID:40.8 mph:28.1 Ck:5 to 12 After d/s w.: 0.9%(0.361) MCSD: 40.4 ID:40.8 mph:26.6 Ck:5 to 11 MPH coming into Bend (-10ft): 30.4 Leaving Bend (+10ft): 26.5 Min MPH over range: 25.0 at index 3645327	22781.67	3867+00		30.0	0.888											38.72	3.5	6.9	3.5	41.0
B134	Bend 46.57 deg. 3.0 Ds Left Turn MCSD: 39.55	Before u/s w.: 0.5%(0.204) MCSD: 40.6 ID:40.8 mph:17.8 Ck:1 to 7 After d/s w.: 0.6%(0.244) MCSD: 40.5 ID:40.8 mph:19.5 Ck:1 to 7 MPH coming into Bend (-10ft): 21.4 Leaving Bend (+10ft): 19.6 Min MPH over range: 17.5 at index 3697724	23227.82	3862+54		21.6	0.888											39.55	4.5	9.1	4.5	5.8
B135	Fld Bnd 9.83 deg. Right Turn MCSD: 40.06		23462.81	3860+19		9.6	0.617											40.06	24.3	42.0	17.6	41.0
B136	Bend 24.23 deg. 3.0 Ds Up & Right Turn MCSD: 39.76	Before u/s w.: 0.8%(0.353) MCSD: 40.4 ID:40.8 mph:16.2 Ck:6 to 12 After d/s w.: 0.8%(0.330) MCSD: 40.5 ID:40.8 mph:16.0 Ck:5 to 11 MPH coming into Bend (-10ft): 15.8 Leaving Bend (+10ft): 15.7 Min MPH over range: 15.2 at index 3740069	23568.36	3859+13		18.1	0.740											39.76	2.8	5.7	2.8	31.6
B137	Fld Bnd 11.14 deg. Left Turn MCSD: 39.86		24097.78	3853+84		15.9	0.617											39.86	22.8	41.9	19.1	14.0
B138	Fld Bnd 7.38 deg. Up & Right Turn MCSD: 40.08		24385.40	3850+96		20.1	0.617											40.08	16.6	39.6	23.0	39.9
B139	Fld Bnd 7.22 deg. Right Turn MCSD: 40.07		24423.01	3850+58		19.9	0.617											40.07	14.6	39.9	25.3	42.0
B140	Fld Bnd 8.77 deg. Right Turn MCSD: 40.23		24465.02	3850+16		19.7	0.617											40.23	16.7	42.0	25.3	33.0
B141	Fld Bnd 8.33 deg. Up & Right Turn MCSD: 40.12		24505.51	3849+76		18.2	0.617											40.12	15.2	33.0	17.8	39.8
B142	Fld Bnd 8.58 deg. Right Turn MCSD: 40.28		24541.64	3849+40		17.5	0.617											40.28	18.4	39.8	21.4	39.7
B143	Fld Bnd 5.44 deg. Right Turn MCSD: 40.15		25384.35	3840+97		6.6	0.617											40.15	14.1	39.9	25.8	41.6
B144	Fld Bnd 8.0 deg. Left Turn MCSD: 40.23		26223.02	3832+58		14.3	0.617											40.23	24.1	41.4	17.2	42.6
B145	Bend 29.35 deg. 3.0 Ds Right Turn MCSD: 39.92	Before u/s w.: 1.1%(0.468) MCSD: 40.4 ID:40.8 mph:8.8 Ck:6 to 12 After d/s w.: 0.9%(0.375) MCSD: 40.5 ID:40.8 mph:2.1 Ck:5 to 12 MPH coming into Bend (-10ft): 10.4 Leaving Bend (+10ft): 9.3 Min MPH over range: 0.4 at index 4092336	26506.92	3829+75		6.3	0.740											39.92	3.0	6.0	3.0	8.2
B146	Fld Bnd 9.03 deg. Right & Down Turn MCSD: 39.91		26655.57	3828+26		5.0	0.740											39.91	22.2	40.3	18.0	40.4
B147	Fld Bnd 10.23 deg. Right Turn MCSD: 39.83		26693.82	3827+88		0.8	0.740											39.83	20.2	40.4	20.2	40.5
B148	Fld Bnd 9.16 deg. Right Turn MCSD: 40.31		26733.92	3827+48		7.5	0.740											40.31	19.9	40.5	20.6	40.3

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B149	Bend 39.16 deg. 3.0 Ds Up Turn MCSD: 39.51	Before u/s w.: 0.7%(0.277) MCSD: 40.4 ID:40.5 mph:11.0 Ck:6 to 12 After d/s w.: 1.2%(0.524) MCSD: 40.0 ID:40.5 mph:3.6 Ck:6 to 12 MPH coming into Bend (-10ft): 9.3 Leaving Bend (+10ft): 0.9 Min MPH over range: 0.9 at index 4146134	26949.12	3825+32		7.9	0.888											39.51	3.5	7.0	3.5	2.6
B150	Bend 39.93 deg. 3.0 Ds Up Turn MCSD: 40.01	Before u/s w.: 0.5%(0.206) MCSD: 40.5 ID:40.5 mph:0.2 Ck:2 to 8 After d/s w.: 0.3%(0.125) MCSD: 40.5 ID:40.5 mph:3.6 Ck:6 to 12 MPH coming into Bend (-10ft): 0.0 Leaving Bend (+10ft): 4.9 Min MPH over range: 0.0 at index 4169322	27162.24	3823+19		2.3	0.888											40.01	3.7	7.3	3.7	10.5
B151	Bend 24.93 deg. 3.0 Ds Down Turn MCSD: 39.66	Before u/s w.: 0.5%(0.220) MCSD: 40.4 ID:40.5 mph:7.6 Ck:3 to 9 After d/s w.: 0.4%(0.160) MCSD: 40.4 ID:40.5 mph:11.5 Ck:2 to 8 MPH coming into Bend (-10ft): 5.8 Leaving Bend (+10ft): 12.6 Min MPH over range: 5.8 at index 4171983	27183.53	3822+98		12.1	0.888											39.66	2.7	5.4	2.7	2.4
B152	Bend 45.97 deg. 3.0 Ds Left Turn MCSD: 39.73	Before u/s w.: 1.3%(0.549) MCSD: 40.2 ID:40.8 mph:23.1 Ck:1 to 7 After d/s w.: 1.2%(0.503) MCSD: 40.2 ID:40.8 mph:25.6 Ck:2 to 6 MPH coming into Bend (-10ft): 24.4 Leaving Bend (+10ft): 24.0 Min MPH over range: 17.8 at index 4204110	27444.07	3820+37		26.1	0.888											39.73	4.2	8.4	4.2	39.7
W98	Wall change from .617 to .868 for 5.31 feet - Customer supplied		27860.82	3816+21	3824+44.20	38.8	0.888												0.0	5.3	5.3	3.8
B153	Bend 18.99 deg. 3.0 Ds Up Turn MCSD: 38.16	Before u/s w.: 0.8%(0.315) MCSD: 40.4 ID:40.8 mph:39.4 Ck:2 to 8 After d/s w.: 0.5%(0.221) MCSD: 40.2 ID:40.5 mph:41.5 Ck:2 to 8 MPH coming into Bend (-10ft): 45.3 Leaving Bend (+10ft): 45.5 Min MPH over range: 37.6 at index 4254165	27863.48	3816+18		39.4	0.888											38.16	2.7	5.3	2.6	3.8
W99	Wall change from .868 to .740 for 3.85 feet - Customer supplied		27866.13	3816+15	3824+42.49	41.6	0.740												0.0	3.8	3.8	41.2
B154	Bend 20.3 deg. 9.0 Ds Up & Right Turn MCSD: 40.03		27890.73	3815+91		45.4	0.617											40.03	20.7	41.2	20.4	12.7
B155	Bend 21.1 deg. 3.0 Ds Up Turn MCSD: 38.39	Before u/s w.: 1.0%(0.423) MCSD: 40.3 ID:40.8 mph:34.6 Ck:3 to 9 After d/s w.: 2.2%(0.926) MCSD: 39.7 ID:40.5 mph:40.4 Ck:0 to 6 MPH coming into Bend (-10ft): 41.6 Leaving Bend (+10ft): 40.4 Min MPH over range: 34.2 at index 4261743	27927.52	3815+54		41.4	0.888											38.39	3.7	7.4	3.7	28.9
B156	Bend 65.5 deg. 3.0 Ds Left Turn MCSD: 39.11	Before u/s w.: 0.1%(0.035) MCSD: 40.8 ID:40.8 mph:24.0 Ck:1 to 7 After d/s w.: 0.4%(0.185) MCSD: 40.5 ID:40.8 mph:23.4 Ck:2 to 6 MPH coming into Bend (-10ft): 25.4 Leaving Bend (+10ft): 21.8 Min MPH over range: 18.4 at index 4435671	29377.81	3801+04		24.4	0.888											39.11	6.5	12.9	6.4	2.3
B157	Fld Bnd 12.03 deg. Left Turn MCSD: 40.39		29624.76	3798+57		20.7	0.617											40.39	22.3	42.7	20.4	41.7
B158	Fld Bnd 12.07 deg. Left & Up Turn MCSD: 40.25		29666.53	3798+15		20.1	0.617											40.25	21.3	41.7	20.4	12.1
B159	Bend 44.82 deg. 3.0 Ds Up & Right Turn MCSD: 39.77	Before u/s w.: 1.3%(0.556) MCSD: 40.3 ID:40.8 mph:11.8 Ck:1 to 7 After d/s w.: 1.3%(0.551) MCSD: 40.3 ID:40.8 mph:12.1 Ck:1 to 7 MPH coming into Bend (-10ft): 13.6 Leaving Bend (+10ft): 12.7 Min MPH over range: 10.4 at index 4520664	30084.90	3793+97		13.9	0.617											39.77	4.5	9.0	4.5	36.8
B160	Fld Bnd 5.34 deg. Down & Left Turn MCSD: 40.28		30106.26	3793+75		14.4	0.617											40.28	16.9	36.8	20.0	41.9
B161	Fld Bnd 9.53 deg. Left Turn MCSD: 40.32		30452.25	3790+29		5.1	0.617											40.32	21.6	40.2	18.6	41.5
B162	Fld Bnd 9.4 deg. Left Turn MCSD: 40.41		30493.76	3789+88		8.6	0.617											40.41	22.9	41.5	18.7	41.8
B163	Fld Bnd 10.97 deg. Left Turn MCSD: 40.20		30690.66	3787+91		6.5	0.617											40.20	23.3	42.5	19.2	41.4

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B164	Bend 31.9 deg. 3.0 Ds Up Turn MCS: 39.25	Before u/s w.: 1.3%(0.558) MCS: 40.0 ID:40.5 mph:9.1 Clk:3 to 9 After d/s w.: 1.4%(0.582) MCS: 40.0 ID:40.5 mph:4.2 Clk:3 to 9 MPH coming into Bend (-10ft): 9.8 Leaving Bend (+10ft): 0.9 Min MPH over range: 0.9 at index 4658726	31220.41	3782+61		5.5	0.888											39.25	2.9	5.8	2.9	14.1
B165	Bend 22.41 deg. 3.0 Ds Up Turn MCS: 39.46	Before u/s w.: 0.2%(0.077) MCS: 40.5 ID:40.5 mph:0.5 Clk:4 to 10 After d/s w.: 1.8%(0.755) MCS: 39.5 ID:40.2 mph:0.9 Clk:4 to 10 MPH coming into Bend (-10ft): 0.6 Leaving Bend (+10ft): 0.7 Min MPH over range: 0.0 at index 4660801	31251.36	3782+30		0.8	0.888											39.46	1.5	3.0	1.5	10.1
B166	Bend 57.21 deg. 3.0 Ds Right Turn MCS: 40.08	Before u/s w.: 0.0%(0.052) MCS: 40.6 ID:40.5 mph:1.5 Clk:3 to 9 After d/s w.: 0.3%(0.107) MCS: 40.5 ID:40.5 mph:5.0 Clk:4 to 10 MPH coming into Bend (-10ft): 1.1 Leaving Bend (+10ft): 4.9 Min MPH over range: 1.0 at index 4666573	31303.85	3781+78		2.9	0.740											40.08	5.9	11.8	5.9	36.5
B167	Fld Bnd 8.57 deg. Left Turn MCS: 40.30		31599.15	3778+82		16.9	0.617											40.30	22.9	40.7	17.8	41.3
B168	Fld Bnd 8.7 deg. Down & Left Turn MCS: 39.94		31640.27	3778+41		20.0	0.617											39.94	23.3	41.3	17.9	40.0
B169	Fld Bnd 10.09 deg. Right Turn MCS: 40.14		32107.91	3773+74		22.1	0.617											40.14	17.8	42.4	24.5	41.8
B170	Fld Bnd 5.11 deg. Right Turn MCS: 40.35		32280.83	3772+01		24.3	0.617											40.35	26.8	42.6	15.8	40.3
B171	Fld Bnd 9.83 deg. Right Turn MCS: 40.06		32505.12	3769+76		22.8	0.617											40.06	26.2	43.0	16.8	40.8
B172	Fld Bnd 8.85 deg. Right Turn MCS: 40.40		32545.46	3769+36		21.1	0.617											40.40	23.5	40.8	17.3	40.5
B173	Bend 52.84 deg. 3.0 Ds Left Turn MCS: 40.08	Before u/s w.: 0.7%(0.279) MCS: 40.5 ID:40.8 mph:11.7 Clk:5 to 11 After d/s w.: 0.7%(0.291) MCS: 40.5 ID:40.8 mph:15.4 Clk:5 to 11 MPH coming into Bend (-10ft): 13.3 Leaving Bend (+10ft): 14.7 Min MPH over range: 11.4 at index 4848359	32817.87	3766+64		16.0	0.617											40.08	5.2	10.5	5.3	41.9
B174	Fld Bnd 6.09 deg. Left Turn MCS: 40.17		32847.69	3766+34		16.9	0.617											40.17	24.5	41.9	17.4	41.6
B175	Fld Bnd 9.13 deg. Left Turn MCS: 40.29		32886.77	3765+95		18.6	0.617											40.29	21.7	41.6	19.9	41.4
B176	Fld Bnd 7.2 deg. Left Turn MCS: 40.28		32926.66	3765+55		18.5	0.617											40.28	19.9	41.4	21.4	14.9
B177	Fld Bnd 7.61 deg. Right Turn MCS: 40.18		33151.33	3763+30		7.9	0.617											40.18	25.1	42.0	16.9	41.0
B178	Fld Bnd 9.64 deg. Right Turn MCS: 40.20		33348.92	3761+33		2.1	0.617											40.20	17.0	43.1	26.1	43.1
B179	Fld Bnd 11.86 deg. Right Turn MCS: 40.19		33646.44	3758+35		16.3	0.617											40.19	19.8	41.7	21.9	41.1
B180	Fld Bnd 5.28 deg. Right Turn MCS: 39.12		33938.44	3755+43		11.3	0.617											39.12	27.4	42.8	15.4	42.1
B181	Bend 28.81 deg. 3.0 Ds Left Turn MCS: 40.29	Before u/s w.: 0.9%(0.362) MCS: 40.5 ID:40.8 mph:7.2 Clk:6 to 12 After d/s w.: 0.6%(0.253) MCS: 40.6 ID:40.8 mph:6.2 Clk:4 to 10 MPH coming into Bend (-10ft): 7.1 Leaving Bend (+10ft): 6.0 Min MPH over range: 5.4 at index 5054197	34531.12	3749+50		6.8	0.740											40.29	3.0	6.1	3.0	18.0
B182	Bend 33.6 deg. 3.0 Ds Right Turn MCS: 39.76	Before u/s w.: 0.8%(0.344) MCS: 40.4 ID:40.8 mph:7.6 Clk:3 to 9 After d/s w.: 0.9%(0.383) MCS: 40.4 ID:40.8 mph:4.8 Clk:5 to 11 MPH coming into Bend (-10ft): 6.3 Leaving Bend (+10ft): 5.3 Min MPH over range: 4.2 at index 5070295	34663.78	3748+18		5.5	0.740											39.76	3.3	6.5	3.3	20.4
B183	Fld Bnd 7.38 deg. Right Turn MCS: 39.93		34836.37	3746+45		12.2	0.617											39.93	26.1	42.2	16.1	30.5
B184	Fld Bnd 7.56 deg. Right Turn MCS: 39.73		35401.47	3740+80		16.6	0.617											39.73	18.6	41.0	22.4	42.9
B185	Fld Bnd 7.57 deg. Right Turn MCS: 40.23		35441.63	3740+40		14.7	0.617											40.23	17.8	42.9	25.1	41.3
B186	Fld Bnd 7.72 deg. Up & Right Turn MCS: 39.99		35482.01	3739+99		14.8	0.617											39.99	15.2	41.3	26.1	41.4

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B187	Fld Bnd 5.76 deg. Up & Right Turn MCSO: 39.68	Before u/s w.: 0.7%(0.278) MCSO: 40.4 ID:40.8 mph:9.2 Ck:5 to 11 After d/s w.: 0.5%(0.229) MCSO: 40.5 ID:40.8 mph:2.1 Ck:0 to 6 MPH coming into Bend (-10ft): 8.4 Leaving Bend (+10ft): 0.4 Min MPH over range: 0.0 at index 5179295	35561.26	3739+20		5.6	0.617											39.68	11.7	41.7	30.0	43.1
B188	Bend 29.08 deg. 3.0 Ds Left & Up Turn MCSO: 39.42	Before u/s w.: 1.1%(0.474) MCSO: 40.2 ID:40.8 mph:13.7 Ck:3 to 9 After d/s w.: 1.3%(0.534) MCSO: 40.3 ID:40.8 mph:15.0 Ck:4 to 10 MPH coming into Bend (-10ft): 12.4 Leaving Bend (+10ft): 16.7 Min MPH over range: 12.4 at index 5201341	35762.16	3737+19		14.5	0.888											39.42	2.8	5.7	2.8	9.9
B189	Fld Bnd 8.57 deg. Left Turn MCSO: 40.09		36166.88	3733+15		26.9	0.617											40.09	26.8	42.5	15.7	18.8
B190	Fld Bnd 7.83 deg. Left Turn MCSO: 38.38		36223.60	3732+58		28.8	0.617											38.38	22.3	39.7	17.4	22.8
B191	Fld Bnd 9.02 deg. Up & Right Turn MCSO: 40.33		36630.86	3728+51		21.0	0.617											40.33	23.8	40.1	16.3	40.8
B192	Fld Bnd 7.58 deg. Right Turn MCSO: 40.32		36670.00	3728+11		21.8	0.617											40.32	22.8	40.8	18.0	28.8
B193	Fld Bnd 6.05 deg. Left Turn MCSO: 40.38		37259.56	3722+22		10.0	0.617											40.38	25.0	41.3	16.3	41.9
B194	Fld Bnd 6.78 deg. Left Turn MCSO: 40.30		37300.79	3721+81		8.1	0.617											40.30	24.9	41.9	17.0	40.2
B195	Fld Bnd 6.83 deg. Left Turn MCSO: 40.34		37339.58	3721+42		6.0	0.617											40.34	21.8	40.2	18.4	20.8
B196	Bend 30.61 deg. 3.0 Ds Left & Up Turn MCSO: 40.09		37619.06	3718+62		9.9	0.740											40.09	2.6	5.1	2.6	11.7
B197	Fld Bnd 10.7 deg. Left Turn MCSO: 39.99		37861.53	3716+20		14.2	0.617											39.99	18.8	40.8	22.0	40.3
B198	Bend 29.8 deg. 3.0 Ds Right Turn MCSO: 39.97	Before u/s w.: 0.3%(0.112) MCSO: 40.7 ID:40.8 mph:8.0 Ck:2 to 8 After d/s w.: 0.6%(0.269) MCSO: 40.7 ID:40.8 mph:4.1 Ck:2 to 8 MPH coming into Bend (-10ft): 8.8 Leaving Bend (+10ft): 8.1 Min MPH over range: 4.0 at index 5507177	38295.76	3711+86		7.6	0.740											39.97	3.0	6.1	3.0	15.5
B199	Bend 44.92 deg. 3.0 Ds Right Turn MCSO: 40.00	Before u/s w.: 0.8%(0.358) MCSO: 40.4 ID:40.8 mph:6.9 Ck:1 to 7 After d/s w.: 0.8%(0.331) MCSO: 40.5 ID:40.8 mph:6.2 Ck:1 to 7 MPH coming into Bend (-10ft): 6.2 Leaving Bend (+10ft): 0.9 Min MPH over range: 0.9 at index 5574647	38853.19	3706+28		7.4	0.617											40.00	4.5	9.0	4.5	41.1
B200	Fld Bnd 7.07 deg. Left Turn MCSO: 40.47		39339.06	3701+42		10.2	0.617											40.47	24.7	41.4	16.7	40.7
B201	Fld Bnd 8.96 deg. Left Turn MCSO: 40.30		39376.69	3701+05		6.7	0.617											40.30	20.9	40.7	19.8	40.9
B202	Bend 24.17 deg. 3.0 Ds Up Turn MCSO: 39.61	Before u/s w.: 1.3%(0.547) MCSO: 40.1 ID:40.5 mph:11.4 Ck:3 to 9 After d/s w.: 1.0%(0.410) MCSO: 40.2 ID:40.5 mph:5.5 Ck:4 to 10 MPH coming into Bend (-10ft): 9.9 Leaving Bend (+10ft): 1.1 Min MPH over range: 0.5 at index 5712917	40007.21	3694+74		5.0	0.888											39.61	3.0	6.1	3.0	13.0
B203	Bend 42.07 deg. 3.0 Ds Up Turn MCSO: 39.72	Before u/s w.: 0.7%(0.287) MCSO: 40.3 ID:40.5 mph:0.5 Ck:3 to 9 After d/s w.: 0.8%(0.342) MCSO: 40.3 ID:40.5 mph:0.0 Ck:3 to 9 MPH coming into Bend (-10ft): 0.1 Leaving Bend (+10ft): 0.7 Min MPH over range: 0.0 at index 5715464	40041.68	3694+40		0.5	0.888											39.72	3.1	6.2	3.1	39.6
B204	Fld Bnd 5.55 deg. Left & Up Turn MCSO: 40.03		40140.74	3693+41		12.4	0.740											40.03	16.1	40.6	24.6	20.0
B205	Bend 45.79 deg. 3.0 Ds Right Turn MCSO: 39.71	Before u/s w.: 1.1%(0.466) MCSO: 40.3 ID:40.8 mph:21.5 Ck:5 to 11 After d/s w.: 1.0%(0.426) MCSO: 40.2 ID:40.5 mph:21.3 Ck:5 to 11 MPH coming into Bend (-10ft): 21.3 Leaving Bend (+10ft): 21.5 Min MPH over range: 17.2 at index 5793289	40691.38	3687+90		23.2	0.888											39.71	4.7	9.3	4.7	11.7

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Or.	Dent Dep.	Dent %OD	Est. Dent Depth After Excavation	Est. Dent %OD After Excavation	Dent Len.	Dent Wid.	Total Size	Total %OD	Total Len.	MCS	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B206	Bend 30.64 deg. 3.0 Ds Left & Up Turn MCS: 39.20	Before u/s w.: 1.3%(0.560) MCS: 40.1 ID:40.5 mph:25.3 Ck:0 to 6 After d/s w.: 1.3%(0.541) MCS: 40.1 ID:40.5 mph:24.9 Ck:1 to 7 MPH coming into Bend (-10ft): 26.7 Leaving Bend (+10ft): 26.9 Min MPH over range: 24.2 at index 5847275	41129.33	3683+52		25.0	0.888											39.20	2.8	5.7	2.9	29.8
B207	Fid Bnd 8.81 deg. Left & Up Turn MCS: 39.73		41276.73	3682+05		26.1	0.740											39.73	18.5	39.9	21.3	42.9
B208	Fid Bnd 10.89 deg. Left & Up Turn MCS: 40.43		41321.20	3681+60		25.3	0.740											40.43	23.2	42.9	19.7	42.5
B209	Fid Bnd 10.99 deg. Right Turn MCS: 40.03		41490.00	3679+91		18.5	0.740											40.03	24.1	42.9	18.8	39.7
B210	Fid Bnd 8.83 deg. Right Turn MCS: 39.97		41607.45	3678+74		21.7	0.740											39.97	19.3	39.7	20.4	41.9
B211	Fid Bnd 12.82 deg. Right Turn MCS: 40.14		41647.83	3678+34		21.5	0.740											40.14	19.9	41.9	22.0	27.8
B212	Fid Bnd 6.14 deg. Right Turn MCS: 40.33		41723.11	3677+58		21.7	0.740											40.33	25.4	41.1	15.7	40.3
B213	Fid Bnd 10.02 deg. Right Turn MCS: 39.55		41803.57	3676+76		20.9	0.740											39.55	24.5	42.7	18.2	40.4
B214	Fid Bnd 7.29 deg. Left Turn MCS: 40.25		41964.53	3675+17		17.6	0.740											40.25	21.8	39.9	18.2	29.9
B215	Fid Bnd 11.95 deg. Left Turn MCS: 40.19		42331.34	3671+50		11.1	0.740											40.19	20.2	40.2	20.0	26.0
B216	Bend 29.89 deg. 3.0 Ds Left Turn MCS: 40.13	Before u/s w.: 0.5%(0.209) MCS: 40.7 ID:40.5 mph:10.0 Ck:5 to 12 After d/s w.: 0.5%(0.196) MCS: 40.7 ID:40.8 mph:5.0 Ck:3 to 9 MPH coming into Bend (-10ft): 10.2 Leaving Bend (+10ft): 7.6 Min MPH over range: 4.8 at index 6002153	42420.54	3670+61		8.0	0.888											40.13	3.0	6.0	3.0	37.8
B217	Fid Bnd 5.06 deg. Left Turn MCS: 40.30	Before u/s w.: 0.5%(0.215) MCS: 40.7 ID:40.8 mph:6.0 Ck:5 to 11 After d/s w.: 1.3%(0.542) MCS: 40.4 ID:40.8 mph:1.7 Ck:6 to 12 MPH coming into Bend (-10ft): 2.3 Leaving Bend (+10ft): 1.2 Min MPH over range: 0.1 at index 6014076	42530.20	3669+51		0.3	0.617											40.30	26.8	38.2	11.4	35.3
B218	Fid Bnd 11.89 deg. Left Turn MCS: 40.11		42595.35	3668+86		9.7	0.617											40.11	18.5	41.3	22.8	43.4
B219	Bend 19.17 deg. 3.0 Ds Up Turn MCS: 39.65	Before u/s w.: 1.4%(0.572) MCS: 40.2 ID:40.8 mph:2.6 Ck:3 to 9 After d/s w.: 1.2%(0.497) MCS: 40.3 ID:40.8 mph:0.3 Ck:3 to 9 MPH coming into Bend (-10ft): 7.5 Leaving Bend (+10ft): 2.6 Min MPH over range: 0.3 at index 6036541	42708.76	3667+73		1.0	0.888											39.65	1.5	3.0	1.5	43.4
B220	Bend 35.63 deg. 3.0 Ds Up & Right Turn MCS: 39.35	Before u/s w.: 0.7%(0.313) MCS: 40.4 ID:40.8 mph:10.9 Ck:6 to 12 After d/s w.: 0.8%(0.321) MCS: 40.4 ID:40.8 mph:10.3 Ck:6 to 12 MPH coming into Bend (-10ft): 11.6 Leaving Bend (+10ft): 9.9 Min MPH over range: 9.7 at index 6073420	43010.83	3664+71		11.1	0.740											39.35	3.3	6.6	3.3	32.5
B221	Fid Bnd 8.56 deg. Left Turn MCS: 40.06		43238.07	3662+43		20.0	0.617											40.06	26.9	43.3	16.5	41.5
B222	Fid Bnd 8.79 deg. Left Turn MCS: 40.17		43278.50	3662+03		21.2	0.617											40.17	23.9	41.5	17.6	41.4
B223	Fid Bnd 9.12 deg. Up & Right Turn MCS: 40.24		43431.18	3660+50		20.6	0.617											40.24	18.1	41.6	23.5	39.6
B224	Fid Bnd 9.07 deg. Left Turn MCS: 40.14		43686.21	3657+95		18.5	0.617											40.14	24.4	40.6	16.2	39.9
B225	Fid Bnd 5.66 deg. Left Turn MCS: 40.34		43726.44	3657+55		17.2	0.617											40.34	24.0	39.9	15.9	41.2
B226	Fid Bnd 10.09 deg. Right Turn MCS: 40.23		43974.21	3655+07		12.2	0.617											40.23	24.0	41.3	17.4	41.7
B227	Fid Bnd 9.42 deg. Left Turn MCS: 40.10		44316.70	3651+65		0.3	0.617											40.10	21.5	40.2	18.7	15.9
B228	Fid Bnd 5.8 deg. Right Turn MCS: 40.34		44415.14	3650+66		9.2	0.617											40.34	20.6	43.1	22.5	40.0
B229	Fid Bnd 9.58 deg. Right & Down Turn MCS: 40.15		44455.44	3650+26		8.7	0.617											40.15	17.8	40.0	22.2	42.8
B230	Fid Bnd 7.2 deg. Right Turn MCS: 40.14		44492.21	3649+89		11.3	0.617											40.14	14.6	42.8	28.3	14.9
B231	Fid Bnd 10.1 deg. Left & Up Turn MCS: 40.10		44560.07	3649+21		11.9	0.617											40.10	24.7	42.8	18.0	40.1
B232	Fid Bnd 9.54 deg. Down & Left Turn MCS: 40.20		44911.79	3645+70		12.7	0.617											40.20	22.2	40.3	18.0	19.6
B233	Fid Bnd 8.37 deg. Right Turn MCS: 39.59		45161.02	3643+20		8.6	0.617											39.59	15.5	35.1	19.6	39.7

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	Dent Dep.	Dent %OD	Est. Dent Depth After Excavation	Est. Dent %OD After Excavation	Dent Len.	Dent Wid.	Total Size	Total %OD	Total Len.	MCSO	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B234	Bend 17.81 deg. 3.0 Ds Right Turn MCSO: 40.24	Before u/s w.: 0.4%(0.164) MCSO: 40.8 ID:40.8 mph:4.2 Ck:6 to 12 After d/s w.: 0.1%(0.043) MCSO: 40.8 ID:40.8 mph:4.1 Ck:2 to 8 MPH coming into Bend (-10ft): 2.7 Leaving Bend (+10ft): 7.5 Min MPH over range: 2.3 at index 6341384	45262.29	3642+19		5.6	0.740											40.24	2.2	4.4	2.2	9.9
B235	Fld Bnd 5.45 deg. Left Turn MCSO: 40.30		45509.53	3639+72		10.0	0.617											40.30	27.4	43.1	15.6	23.0
B236	Fld Bnd 8.07 deg. Up & Right Turn MCSO: 39.99		45607.67	3638+74		4.2	0.617											39.99	18.6	39.4	20.9	41.0
B237	Fld Bnd 5.1 deg. Up & Right Turn MCSO: 40.32		46022.19	3634+59		14.2	0.617											40.32	25.1	41.3	16.2	41.5
B238	Fld Bnd 7.81 deg. Right Turn MCSO: 40.29		46062.61	3634+19		12.9	0.617											40.29	24.3	41.5	17.3	42.4
B239	Fld Bnd 9.76 deg. Left Turn MCSO: 40.19		46176.32	3633+05		16.0	0.617											40.19	22.7	41.7	19.0	40.3
B240	Fld Bnd 8.01 deg. Left Turn MCSO: 39.94		46217.37	3632+64		13.0	0.740											39.94	22.1	40.3	18.2	42.1
B241	Fld Bnd 9.08 deg. Left Turn MCSO: 40.28		46253.64	3632+28		16.3	0.617											40.28	16.1	42.1	24.0	41.3
B242	Fld Bnd 10.31 deg. Right Turn MCSO: 40.14		46936.71	3625+45		16.2	0.740											40.14	21.3	38.6	17.2	33.0
B243	Bend 17.3 deg. 3.0 Ds Up Turn MCSO: 39.22	Before u/s w.: 1.8%(0.759) MCSO: 40.0 ID:40.5 mph:13.3 Ck:3 to 9 After d/s w.: 2.1%(0.898) MCSO: 39.8 ID:40.5 mph:10.8 Ck:3 to 9 MPH coming into Bend (-10ft): 14.9 Leaving Bend (+10ft): 9.8 Min MPH over range: 9.8 at index 6555440	47025.33	3624+56		12.5	0.740											39.22	0.4	3.2	2.8	39.1
B244	Bend 45.07 deg. 3.0 Ds Left & Up Turn MCSO: 39.77	Before u/s w.: 0.5%(0.230) MCSO: 40.5 ID:40.5 mph:10.4 Ck:4 to 10 After d/s w.: 0.7%(0.273) MCSO: 40.4 ID:40.5 mph:10.3 Ck:5 to 11 MPH coming into Bend (-10ft): 8.8 Leaving Bend (+10ft): 10.9 Min MPH over range: 8.3 at index 6565503	47126.80	3623+55		11.4	0.740											39.77	4.5	9.1	4.5	40.2
B245	Bend 41.5 deg. 3.0 Ds Up Turn MCSO: 39.78	Before u/s w.: 0.3%(0.137) MCSO: 40.4 ID:40.5 mph:0.0 Ck:6 to 12 After d/s w.: 0.6%(0.338) MCSO: 40.3 ID:40.5 mph:0.4 Ck:6 to 12 MPH coming into Bend (-10ft): 0.1 Leaving Bend (+10ft): 2.1 Min MPH over range: 0.0 at index 6589630	47326.12	3621+55		0.0	0.888											39.78	2.6	5.1	2.6	10.0
B246	Bend 35.3 deg. 3.0 Ds Left Turn MCSO: 39.29	Before u/s w.: 1.5%(0.618) MCSO: 40.1 ID:40.5 mph:3.3 Ck:4 to 10 After d/s w.: 1.1%(0.472) MCSO: 40.1 ID:40.5 mph:4.8 Ck:4 to 10 MPH coming into Bend (-10ft): 2.8 Leaving Bend (+10ft): 5.0 Min MPH over range: 2.5 at index 6592798	47357.60	3621+24		4.8	0.888											39.29	3.7	7.4	3.7	14.8
B247	Fld Bnd 5.68 deg. Right Turn MCSO: 40.03		47426.88	3620+55		10.3	0.740											40.03	14.3	40.3	26.0	40.7
B248	Fld Bnd 9.37 deg. Right Turn MCSO: 40.01		47473.24	3620+08		12.8	0.740											40.01	20.3	40.7	20.3	40.3
B249	Fld Bnd 9.22 deg. Right & Down Turn MCSO: 40.04		47514.75	3619+67		15.5	0.740											40.04	21.2	40.3	19.1	40.6
B250	Fld Bnd 10.66 deg. Right Turn MCSO: 39.82		47595.51	3618+86		21.7	0.740											39.82	21.1	40.6	19.5	40.2
B251	Fld Bnd 11.79 deg. Left & Up Turn MCSO: 40.05		48037.54	3614+44		19.6	0.740											40.05	19.1	40.1	21.0	42.0
B252	Fld Bnd 13.36 deg. Left Turn MCSO: 40.35		48080.30	3614+01		17.0	0.740											40.35	21.8	42.0	20.2	17.1
B253	Fld Bnd 11.06 deg. Left Turn MCSO: 40.24		48169.10	3613+12		11.4	0.617											40.24	15.4	39.5	24.0	41.6
B254	Fld Bnd 9.55 deg. Left Turn MCSO: 40.25		48214.68	3612+67		10.5	0.617											40.25	21.5	41.6	20.0	23.0
B255	Bend 29.5 deg. 3.0 Ds Right Turn MCSO: 38.89	Before u/s w.: 0.8%(0.342) MCSO: 40.4 ID:40.8 mph:8.3 Ck:2 to 8 After d/s w.: 1.3%(0.530) MCSO: 40.2 ID:40.8 mph:8.2 Ck:3 to 9 MPH coming into Bend (-10ft): 7.8 Leaving Bend (+10ft): 8.2 Min MPH over range: 6.4 at index 6710480	48331.39	3611+50		7.7	0.617											38.89	2.9	5.9	2.9	10.0

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	Dent Dep.	Dent %OD	Est. Dent Depth After Excavation	Est. Dent %OD After Excavation	Dent Len.	Dent Wid.	Total Size	Total %OD	Total Len.	MCS D	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B256	Bend 27.2 deg. 3.0 Ds Up & Right Turn MCS D: 39.13	Before u/s w.: 0.6%(0.262) MCS D: 40.6 ID:40.8 mph:17.2 Ck:4 to 10 After d/s w.: 0.8%(0.321) MCS D: 40.4 ID:40.8 mph:21.2 Ck:2 to 8 MPH coming into Bend (-10ft): 20.7 Leaving Bend (+10ft): 20.0 Min MPH over range: 17.1 at index 6729288	48489.68	3609+92		23.4	0.888											39.13	2.8	5.6	2.8	10.7
B257	Fld Bnd 10.1 deg. Right Turn MCS D: 40.32		48586.44	3608+95		20.8	0.617											40.32	21.7	39.8	18.0	41.7
B258	Fld Bnd 7.21 deg. Right Turn MCS D: 40.26		48630.71	3608+51		21.6	0.617											40.26	26.2	41.7	15.5	20.9
B259	Fld Bnd 6.48 deg. Left & Up Turn MCS D: 40.28		48813.81	3606+68		19.8	0.617											40.28	23.1	43.2	20.1	39.1
B260	Fld Bnd 6.44 deg. Left Turn MCS D: 40.39		49144.31	3603+37		14.2	0.617											40.39	26.5	43.2	16.6	19.5
B261	Bend 36.73 deg. 3.0 Ds Left & Up Turn MCS D: 39.37	Before u/s w.: 0.6%(0.259) MCS D: 40.5 ID:40.8 mph:15.5 Ck:5 to 11 After d/s w.: 1.2%(0.496) MCS D: 40.4 ID:40.8 mph:13.6 Ck:5 to 11 MPH coming into Bend (-10ft): 15.2 Leaving Bend (+10ft): 15.5 Min MPH over range: 13.3 at index 6831020	49327.21	3601+54		16.4	0.740											39.37	3.6	7.2	3.6	30.3
B262	Fld Bnd 8.68 deg. Right Turn MCS D: 40.29		49542.36	3599+39		16.3	0.617											40.29	20.5	38.3	17.8	39.9
B263	Fld Bnd 10.79 deg. Right Turn MCS D: 40.09		49580.86	3599+01		16.2	0.617											40.09	20.7	39.9	19.2	35.0
B264	Fld Bnd 6.57 deg. Right Turn MCS D: 40.19		49620.46	3598+61		16.1	0.617											40.19	20.4	35.0	14.6	41.2
B265	Fld Bnd 5.63 deg. Right Turn MCS D: 40.37		49660.81	3598+21		15.7	0.617											40.37	25.8	41.2	15.4	41.4
B266	Fld Bnd 5.89 deg. Left Turn MCS D: 40.29		49892.62	3595+89		6.6	0.617											40.29	25.3	41.3	16.0	42.0
B267	Fld Bnd 5.51 deg. Right Turn MCS D: 40.35	Before u/s w.: 1.2%(0.502) MCS D: 40.3 ID:40.8 mph:1.9 Ck:6 to 12 After d/s w.: 0.7%(0.312) MCS D: 40.4 ID:40.8 mph:2.3 Ck:5 to 11 MPH coming into Bend (-10ft): 3.3 Leaving Bend (+10ft): 4.3 Min MPH over range: 1.6 at index 6923458	50081.87	3594+00		3.1	0.617											40.35	18.6	41.1	22.5	41.2
B268	Fld Bnd 6.97 deg. Right Turn MCS D: 40.17		50223.96	3592+58		12.3	0.617											40.17	20.0	41.4	21.4	41.1
B269	Fld Bnd 8.45 deg. Left Turn MCS D: 40.06		50531.50	3589+50		12.3	0.617											40.06	23.9	43.4	19.5	38.2
B270	Fld Bnd 7.63 deg. Left Turn MCS D: 40.25		50568.47	3589+13		12.5	0.617											40.25	17.5	38.2	20.8	24.1
B271	Fld Bnd 11.35 deg. Right Turn MCS D: 40.33		51114.46	3583+67		15.2	0.617											40.33	23.1	41.4	18.3	39.9
B272	Fld Bnd 13.0 deg. Left Turn MCS D: 40.25		51777.39	3577+04		13.2	0.617											40.25	20.8	41.6	20.8	40.3
B273	Fld Bnd 13.28 deg. Left Turn MCS D: 40.20		51817.96	3576+64		17.1	0.617											40.20	19.7	40.3	20.6	22.9
B274	Fld Bnd 6.79 deg. Right Turn MCS D: 40.10		52012.25	3574+69		20.6	0.617											40.10	27.8	42.6	14.8	40.9
B275	Fld Bnd 5.52 deg. Right Turn MCS D: 40.20		52044.12	3574+37		20.9	0.617											40.20	17.0	40.9	23.9	40.9
B276	Fld Bnd 10.69 deg. Right Turn MCS D: 40.26		52171.90	3573+10		19.4	0.617											40.26	21.7	41.1	19.4	40.7
B277	Fld Bnd 11.37 deg. Right Turn MCS D: 40.05		52212.59	3572+69		18.4	0.617											40.05	21.3	40.7	19.4	41.6
B278	Bend 44.4 deg. 3.0 Ds Left Turn MCS D: 39.75	Before u/s w.: 1.9%(0.809) MCS D: 40.1 ID:40.8 mph:10.3 Ck:1 to 7 After d/s w.: 1.2%(0.521) MCS D: 40.4 ID:40.8 mph:8.9 Ck:1 to 7 MPH coming into Bend (-10ft): 11.1 Leaving Bend (+10ft): 9.2 Min MPH over range: 8.5 at index 7200918	52408.58	3570+73		10.2	0.617											39.75	4.6	9.2	4.6	23.0
B279	Bend 51.84 deg. 3.0 Ds Left Turn MCS D: 40.04	Before u/s w.: 0.7%(0.281) MCS D: 40.5 ID:40.8 mph:3.3 Ck:5 to 11 After d/s w.: 0.9%(0.361) MCS D: 40.5 ID:40.8 mph:6.2 Ck:5 to 11 MPH coming into Bend (-10ft): 2.7 Leaving Bend (+10ft): 5.9 Min MPH over range: 2.7 at index 7212753	52524.24	3569+57		6.8	0.617											40.04	5.4	10.7	5.4	34.8
B280	Fld Bnd 12.48 deg. Up & Right Turn MCS D: 40.20		52743.83	3567+38		12.7	0.617											40.20	21.2	42.3	21.1	42.5

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	Dent Dep.	Dent %OD	Est. Dent Depth After Excavation	Est. Dent %OD After Excavation	Dent Len.	Dent Wid.	Total Size	Total %OD	Total Len.	MCSO	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B281	Bend 29.73 deg. 3.0 Ds Right Turn MCSO: 39.53	Before u/s w.: 1.0%(0.439) MCSO: 40.3 ID:40.5 mph:12.5 Ck:1 to 7 After d/s w.: 0.8%(0.338) MCSO: 40.2 ID:40.5 mph:4.7 Ck:6 to 12 MPH coming into Bend (-10ft): 13.3 Leaving Bend (+10ft): 5.1 Min MPH over range: 3.7 at index 7392187	54003.87	3554+78		9.8	0.888											39.53	2.9	5.8	2.9	29.1
B282	Fld Bnd 5.78 deg. Right Turn MCSO: 40.27	Before u/s w.: 0.7%(0.287) MCSO: 40.6 ID:40.8 mph:2.6 Ck:6 to 12 After d/s w.: 0.7%(0.279) MCSO: 40.5 ID:40.8 mph:3.5 Ck:5 to 11 MPH coming into Bend (-10ft): 1.6 Leaving Bend (+10ft): 4.4 Min MPH over range: 0.1 at index 7487575	54805.93	3546+76		0.8	0.617											40.27	25.0	40.0	15.0	41.6
B283	Fld Bnd 7.84 deg. Left & Up Turn MCSO: 40.23		55036.01	3544+45		18.4	0.617											40.23	24.7	42.8	18.1	41.5
B284	Fld Bnd 5.52 deg. Left Turn MCSO: 40.21	Before u/s w.: 0.4%(0.157) MCSO: 40.6 ID:40.8 mph:5.9 Ck:5 to 11 After d/s w.: 0.9%(0.368) MCSO: 40.4 ID:40.8 mph:2.6 Ck:6 to 12 MPH coming into Bend (-10ft): 1.1 Leaving Bend (+10ft): 4.7 Min MPH over range: 0.8 at index 7546016	55285.21	3541+96		0.5	0.617											40.21	25.1	41.3	16.3	23.1
B285	Bend 43.89 deg. 3.0 Ds Left & Up Turn MCSO: 40.19	Before u/s w.: 0.6%(0.250) MCSO: 40.5 ID:40.8 mph:12.1 Ck:5 to 12 After d/s w.: 0.9%(0.397) MCSO: 40.5 ID:40.8 mph:13.6 Ck:0 to 6 MPH coming into Bend (-10ft): 13.3 Leaving Bend (+10ft): 13.9 Min MPH over range: 12.8 at index 7560779	55420.35	3540+61		14.2	0.617											40.19	4.6	9.2	4.6	24.8
B286	Fld Bnd 8.13 deg. Left Turn MCSO: 40.11		55581.48	3539+00		13.5	0.617											40.11	21.6	42.5	20.9	40.3
B287	Fld Bnd 6.84 deg. Left Turn MCSO: 40.23		55621.28	3538+60		13.0	0.617											40.23	18.9	40.3	21.3	41.0
B288	Fld Bnd 10.52 deg. Right Turn MCSO: 40.18		56089.24	3533+92		7.2	0.617											40.18	18.6	39.7	21.2	40.1
B289	Bend 45.88 deg. 3.0 Ds Right Turn MCSO: 39.53	Before u/s w.: 0.9%(0.370) MCSO: 40.3 ID:40.5 mph:15.4 Ck:6 to 12 After d/s w.: 1.3%(0.539) MCSO: 40.0 ID:40.5 mph:15.0 Ck:6 to 12 MPH coming into Bend (-10ft): 16.6 Leaving Bend (+10ft): 14.5 Min MPH over range: 13.2 at index 7694021	56524.48	3529+57		13.3	0.888											39.53	3.8	7.7	3.8	7.5
B290	Fld Bnd 7.29 deg. Up & Right Turn MCSO: 39.28		56681.64	3528+00		0.9	0.617											39.28	21.2	40.1	18.9	12.0
B291	Fld Bnd 11.48 deg. Right Turn MCSO: 39.94		56921.20	3525+60		10.3	0.617											39.94	22.1	37.3	15.2	30.5
B292	Fld Bnd 5.36 deg. Left Turn MCSO: 40.47	Before u/s w.: 0.8%(0.350) MCSO: 40.4 ID:40.8 mph:2.9 Ck:6 to 12 After d/s w.: 0.7%(0.310) MCSO: 40.5 ID:40.8 mph:3.6 Ck:6 to 12 MPH coming into Bend (-10ft): 1.9 Leaving Bend (+10ft): 3.6 Min MPH over range: 1.8 at index 7789813	57317.04	3521+64		1.5	0.617											40.47	25.3	43.6	18.3	19.9
B293	Bend 33.86 deg. 3.0 Ds Left Turn MCSO: 39.58	Before u/s w.: 1.1%(0.452) MCSO: 40.3 ID:40.8 mph:9.8 Ck:5 to 11 After d/s w.: 1.5%(0.617) MCSO: 40.3 ID:40.8 mph:10.6 Ck:5 to 11 MPH coming into Bend (-10ft): 10.0 Leaving Bend (+10ft): 11.1 Min MPH over range: 8.3 at index 7803246	57443.47	3520+38		11.6	0.740											39.58	3.5	6.9	3.4	5.1
B294	Fld Bnd 13.66 deg. Left Turn MCSO: 40.22		57578.25	3519+03		16.7	0.617											40.22	20.6	42.4	21.8	39.4
B295	Fld Bnd 7.14 deg. Right Turn MCSO: 40.52	Before u/s w.: 0.9%(0.379) MCSO: 40.5 ID:40.8 mph:7.7 Ck:0 to 6 After d/s w.: 1.0%(0.429) MCSO: 40.5 ID:40.8 mph:4.5 Ck:0 to 6 MPH coming into Bend (-10ft): 7.0 Leaving Bend (+10ft): 3.0 Min MPH over range: 0.1 at index 7837632	57729.50	3517+52		3.9	0.617											40.52	24.8	42.4	17.6	39.9
B296	Fld Bnd 11.9 deg. Right Turn MCSO: 40.29		57766.46	3517+15		2.7	0.617											40.29	19.3	39.9	20.5	19.0
B297	Fld Bnd 5.13 deg. Left & Up Turn MCSO: 40.49		57833.19	3516+48		9.7	0.617											40.49	27.3	42.5	15.2	42.1
B298	Fld Bnd 10.75 deg. Left Turn MCSO: 40.37		57909.70	3515+72		5.7	0.617											40.37	19.1	40.1	20.9	39.6
B299	Fld Bnd 6.76 deg. Down & Left Turn MCSO: 40.13		58055.87	3514+26		5.4	0.617											40.13	15.0	41.7	26.7	42.6

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	Dent Dep.	Dent %OD	Est. Dent Depth After Excavation	Est. Dent %OD After Excavation	Dent Len.	Dent Wid.	Total Size	Total %OD	Total Len.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B300	Fld Bnd 10.36 deg. Left Turn MCSD: 40.39		58105.89	3513+76		4.9	0.617											40.39	23.3	42.6	19.3	40.2
B301	Fld Bnd 11.91 deg. Left Turn MCSD: 40.20		58142.54	3513+39		6.9	0.617											40.20	17.3	40.2	22.9	33.6
B302	Fld Bnd 5.26 deg. Right Turn MCSD: 40.41		58500.32	3509+81		7.2	0.617											40.41	19.1	39.9	20.8	39.8
B303	Fld Bnd 12.75 deg. Right Turn MCSD: 40.40		58579.75	3509+02		7.7	0.617											40.40	18.8	39.9	21.0	39.5
B304	Fld Bnd 7.44 deg. Right Turn MCSD: 40.34		58656.06	3508+25		2.9	0.617											40.34	15.7	42.4	26.7	41.2
B305	Bend 30.67 deg. 3.0 Ds Left & Up Turn MCSD: 39.51	Before u/s w.: 0.5%(0.196) MCSD: 40.6 ID-40.8 mph:15.9 Ck:4 to 10 After d/s w.: 0.3%(0.135) MCSD: 40.6 ID-40.5 mph:17.9 Ck:5 to 11 MPH coming into Bend (-10ft): 14.7 Leaving Bend (+10ft): 17.6 Min MPH over range: 14.7 at index 8018258	59236.45	3502+45		19.4	0.888											39.51	2.9	5.8	2.9	5.1
B306	Fld Bnd 13.5 deg. Down & Left Turn MCSD: 39.51		59276.94	3502+05		23.2	0.617											39.51	20.2	40.3	20.1	37.5
B307	Fld Bnd 12.74 deg. Up & Right Turn MCSD: 40.10		59396.90	3500+85		25.9	0.617											40.10	19.8	41.4	21.6	38.5
B308	Fld Bnd 11.52 deg. Up & Right Turn MCSD: 40.36		59505.39	3499+76		23.5	0.617											40.36	22.9	41.9	19.1	43.2
B309	Bend 22.69 deg. 3.0 Ds Right Turn MCSD: 39.45	Before u/s w.: 1.2%(0.494) MCSD: 40.4 ID-40.8 mph:2.8 Ck:2 to 8 After d/s w.: 1.7%(0.701) MCSD: 40.3 ID-40.8 mph:2.9 Ck:2 to 8 MPH coming into Bend (-10ft): 5.6 Leaving Bend (+10ft): 9.6 Min MPH over range: 0.1 at index 8062889	59601.24	3498+80		5.0	0.740											39.45	2.1	4.3	2.1	4.8
B310	Fld Bnd 5.76 deg. Left & Up Turn MCSD: 40.30		59970.16	3495+11		1.0	0.617											40.30	17.4	43.4	25.9	39.9
B311	Fld Bnd 11.0 deg. Left Turn MCSD: 40.29		60266.60	3492+15		2.5	0.617											40.29	21.2	41.7	20.4	38.0
B312	Fld Bnd 8.56 deg. Left Turn MCSD: 40.50		60422.28	3490+59		5.4	0.617											40.50	17.8	40.2	22.4	19.9
B313	Fld Bnd 6.57 deg. Left Turn MCSD: 40.36		60757.30	3487+24		3.3	0.617											40.36	22.6	41.2	18.6	5.4
B314	Bend 35.69 deg. 3.0 Ds Left Turn MCSD: 40.01	Before u/s w.: 0.8%(0.341) MCSD: 40.5 ID-40.8 mph:3.0 Ck:0 to 6 After d/s w.: 0.9%(0.394) MCSD: 40.5 ID-40.8 mph:2.2 Ck:0 to 6 MPH coming into Bend (-10ft): 4.4 Leaving Bend (+10ft): 8.6 Min MPH over range: 0.1 at index 8205817	60784.93	3486+97		4.6	0.740											40.01	3.6	7.2	3.6	5.1
B315	Bend 29.69 deg. 3.0 Ds Right Turn MCSD: 39.98	Before u/s w.: 1.4%(0.605) MCSD: 40.3 ID-40.8 mph:8.7 Ck:1 to 7 After d/s w.: 1.4%(0.569) MCSD: 40.3 ID-40.8 mph:8.0 Ck:1 to 7 MPH coming into Bend (-10ft): 9.1 Leaving Bend (+10ft): 9.0 Min MPH over range: 7.6 at index 8241340	61095.07	3483+86		9.9	0.740											39.98	3.0	6.1	3.0	5.1
B316	Fld Bnd 7.45 deg. Right Turn MCSD: 40.54		61462.72	3480+19		2.6	0.617											40.54	16.9	43.5	26.6	40.0
B317	Fld Bnd 11.33 deg. Right Turn MCSD: 40.45		62074.75	3474+07		1.5	0.617											40.45	21.6	43.1	21.5	42.6
B318	Fld Bnd 6.6 deg. Left Turn MCSD: 40.40		62368.59	3471+13		7.2	0.617											40.40	25.7	41.1	15.4	42.6
B319	Bend 29.47 deg. 3.0 Ds Right Turn MCSD: 40.01	Before u/s w.: 0.9%(0.370) MCSD: 40.7 ID-40.8 mph:3.0 Ck:2 to 8 After d/s w.: 0.9%(0.366) MCSD: 40.6 ID-40.8 mph:0.9 Ck:2 to 8 MPH coming into Bend (-10ft): 0.7 Leaving Bend (+10ft): 8.3 Min MPH over range: 0.1 at index 8414580	62524.69	3469+57		5.0	0.740											40.01	2.9	5.8	2.9	4.5
B320	Fld Bnd 8.56 deg. Right Turn MCSD: 40.31		62800.44	3466+81		7.8	0.617											40.31	17.4	43.2	25.8	42.4
B321	Fld Bnd 6.06 deg. Right Turn MCSD: 40.32		62842.05	3466+39		8.2	0.617											40.32	15.8	42.4	26.6	43.2
B322	Fld Bnd 7.43 deg. Right Turn MCSD: 40.42		62885.74	3465+96		5.8	0.617											40.42	17.0	43.2	26.2	42.2
B323	Fld Bnd 6.39 deg. Right Turn MCSD: 40.37		62993.06	3464+88		13.7	0.617											40.37	19.0	39.7	20.7	42.1
B324	Fld Bnd 8.34 deg. Right Turn MCSD: 40.41		63035.87	3464+46		8.5	0.617											40.41	22.1	42.1	20.0	42.9

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	Dent Dep.	Dent %OD	Est. Dent Depth After Excavation	Est. Dent %OD After Excavation	Dent Len.	Dent Wid.	Total Size	Total %OD	Total Len.	MCS	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B325	Bend 30.73 deg. 3.0 Ds Left Turn MCS: 40.29	Before u/s w.: 0.6%(0.245) MCS: 40.8 ID:40.8 mph:2.7 Ck:1 to 7 After d/s w.: 0.8%(0.342) MCS: 40.7 ID:40.8 mph:1.1 Ck:6 to 12 MPH coming into Bend (-10ft): 3.3 Leaving Bend (+10ft): 10.6 Min MPH over range: 0.2 at index 8503847	63280.49	3462+01		4.2	0.740											40.29	2.9	5.8	2.9	5.0
B326	Fld Bnd 11.52 deg. Left Turn MCS: 40.43		63341.95	3461+40		8.1	0.617											40.43	22.1	43.5	21.4	41.3
B327	Bend 22.43 deg. 3.0 Ds Left Turn MCS: 40.34	Before u/s w.: 0.3%(0.145) MCS: 40.7 ID:40.8 mph:9.5 Ck:3 to 9 After d/s w.: 0.5%(0.212) MCS: 40.8 ID:40.8 mph:7.7 Ck:6 to 12 MPH coming into Bend (-10ft): 7.5 Leaving Bend (+10ft): 7.9 Min MPH over range: 5.9 at index 8532010	63502.46	3459+79		10.3	0.740											40.34	2.2	4.4	2.2	4.9
B328	Fld Bnd 7.26 deg. Down & Left Turn MCS: 39.75		64225.83	3452+56		10.1	0.617											39.75	15.4	40.6	25.3	40.5
B329	Bend 23.64 deg. 3.0 Ds Up Turn MCS: 39.72	Before u/s w.: 1.2%(0.492) MCS: 40.3 ID:40.8 mph:9.4 Ck:1 to 7 After d/s w.: 1.0%(0.437) MCS: 40.4 ID:40.8 mph:2.3 Ck:1 to 7 MPH coming into Bend (-10ft): 4.7 Leaving Bend (+10ft): 4.7 Min MPH over range: 0.7 at index 8648636	64474.97	3450+06		6.0	0.740											39.72	2.3	4.6	2.3	2.9
B330	Bend 33.05 deg. 3.0 Ds Left Turn MCS: 39.85	Before u/s w.: 0.7%(0.273) MCS: 40.3 ID:40.8 mph:3.3 Ck:5 to 11 After d/s w.: 0.6%(0.267) MCS: 40.3 ID:40.8 mph:4.2 Ck:5 to 11 MPH coming into Bend (-10ft): 2.7 Leaving Bend (+10ft): 5.3 Min MPH over range: 2.4 at index 8665632	64625.85	3448+56		4.8	0.617											39.85	3.3	6.5	3.3	5.8
B331	Bend 20.41 deg. 3.0 Ds Down Turn MCS: 39.49	Before u/s w.: 1.0%(0.422) MCS: 40.3 ID:40.5 mph:11.4 Ck:3 to 9 After d/s w.: 1.1%(0.477) MCS: 40.2 ID:40.5 mph:13.8 Ck:3 to 9 MPH coming into Bend (-10ft): 6.6 Leaving Bend (+10ft): 12.7 Min MPH over range: 6.6 at index 8674548	64705.50	3447+76		14.6	0.888											39.49	1.9	3.9	1.9	8.5
B332	Bend 22.99 deg. 3.0 Ds Up Turn MCS: 39.78	Before u/s w.: 0.3%(0.135) MCS: 40.5 ID:40.5 mph:1.1 Ck:6 to 12 After d/s w.: 0.7%(0.278) MCS: 40.5 ID:40.5 mph:5.8 Ck:6 to 12 MPH coming into Bend (-10ft): 12.5 Leaving Bend (+10ft): 5.6 Min MPH over range: 0.4 at index 8677618	64726.20	3447+55		7.9	0.888											39.78	2.0	4.1	2.0	16.6
B333	Bend 27.68 deg. 3.0 Ds Right Turn MCS: 40.04	Before u/s w.: 0.0%(0.019) MCS: 40.6 ID:40.5 mph:1.9 Ck:3 to 9 After d/s w.: 0.0%(-0.019) MCS: 40.7 ID:40.5 mph:4.3 Ck:6 to 12 MPH coming into Bend (-10ft): 1.5 Leaving Bend (+10ft): 7.5 Min MPH over range: 1.3 at index 8694351	64871.49	3446+10		4.6	0.740											40.04	1.1	2.2	1.1	15.9
B334	Bend 46.78 deg. 3.0 Ds Left Turn MCS: 40.05	Before u/s w.: 0.2%(0.066) MCS: 40.5 ID:40.5 mph:4.2 Ck:0 to 6 After d/s w.: 0.4%(0.159) MCS: 40.6 ID:40.5 mph:0.6 Ck:3 to 9 MPH coming into Bend (-10ft): 1.1 Leaving Bend (+10ft): 0.8 Min MPH over range: 0.4 at index 8707532	64980.56	3445+01		3.0	0.740											40.05	4.8	9.6	4.8	4.2
B335	Bend 20.88 deg. 3.0 Ds Right Turn MCS: 39.79	Before u/s w.: 0.7%(0.310) MCS: 40.4 ID:40.5 mph:3.3 Ck:1 to 7 After d/s w.: 0.5%(0.192) MCS: 40.5 ID:40.5 mph:2.2 Ck:3 to 9 MPH coming into Bend (-10ft): 1.6 Leaving Bend (+10ft): 0.9 Min MPH over range: 0.4 at index 8709538	64997.04	3444+84		3.3	0.740											39.79	2.1	4.1	2.1	37.1

		Field Report															
		CUSTOMER/CONTRACTOR		EQT / MVP - Precision Pipeline						PIPE DIAMETER		42.000 in					
		CUSTOMER LINE ID		Harris Launcher GAS						WALL THICKNESS		.617 in					
			JOB NUMBER		B20-749Gg						PRODUCT		Air				
			LAUNCH STATION		Harris Launcher GAS Launcher						RUN DATE		8-Nov-2023				
					Flatwood, WV						FIELD ENGINEER		James Gaines				
			RECEIVE STATION		Harris Launcher GAS Receiver Tie-In						CHART ANALYST		James Gaines				
					Flatwood, WV						REPORT DATE		11/09/2023				
			PIPELINE LENGTH		0.19 mi						ISSUE #		1				
Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint				
F1	Valve	Harris Launcher GAS Launcher Flatwood, WV Operator Normal	12.32	0+12		4.7	0.000		39.91	4.3	8.6	4.3	4.8				
F2	Tee		23.82	0+24		3.7	0.000	09:00	39.49	2.4	4.8	2.4	7.5				
B1	Bend 45.0 deg. 3.0 Ds Down Turn MCSD: 39.92	Before u/s w.: 0.5%(0.231) MCSD: 40.1 ID:42.0 mph:2.0 Clk:2 to 8 After d/s w. : 0.4%(0.148) MCSD: 40.1 ID:42.0 mph:4.3 Clk:5 to 11 MPH coming into Bend (-10ft): 2.3 Leaving Bend (+10ft): 3.4 Min MPH over range: 0.4 at index 650579	37.93	0+38		4.1	0.000		39.92	4.2	8.5	4.2	1.9				
B2	Bend 44.8 deg. 3.0 Ds Up Turn MCSD: 39.95	Before u/s w.: 0.4%(0.169) MCSD: 40.2 ID:42.0 mph:1.7 Clk:5 to 11 After d/s w. : 0.5%(0.223) MCSD: 40.0 ID:42.0 mph:2.5 Clk:5 to 11 MPH coming into Bend (-10ft): 3.2 Leaving Bend (+10ft): 6.5 Min MPH over range: 0.4 at index 652263	51.35	0+51		3.9	0.000		39.95	3.9	7.9	4.0	6.9				
F3	Tee		64.77	0+65		5.3	0.000		39.46	2.5	4.9	2.5	9.7				
F4	Tee		209.97	2+10		8.0	0.000		38.98	2.5	5.0	2.5	18.5				
B3	Bend 89.7 deg. 3.0 Ds Left Turn MCSD: 38.98	Before u/s w.: 0.2%(0.090) MCSD: 39.9 ID:42.0 mph:7.7 Clk:3 to 9 After d/s w. : 0.9%(0.377) MCSD: 40.0 ID:42.0 mph:1.6 Clk:5 to 11 MPH coming into Bend (-10ft): 8.1 Leaving Bend (+10ft): 2.7 Min MPH over range: 0.5 at index 672467	221.73	2+22		4.2	0.000		38.98	9.2	18.5	9.2	45.8				
B4	Bend 89.4 deg. 3.0 Ds Left Turn MCSD: 39.82	Before u/s w.: 0.4%(0.152) MCSD: 40.3 ID:42.0 mph:2.3 Clk:5 to 11 After d/s w. : 1.0%(0.440) MCSD: 40.1 ID:42.0 mph:2.1 Clk:6 to 12 MPH coming into Bend (-10ft): 1.2 Leaving Bend (+10ft): 2.2 Min MPH over range: 0.6 at index 728871	690.77	6+91		4.6	0.000		39.82	8.9	17.9	8.9	36.2				

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B5	Bend 44.8 deg. 3.0 Ds Right Turn MCSD: 39.91	Before u/s w.: 0.4%(0.182) MCSD: 40.4 ID:42.0 mph:2.3 Clk:6 to 12 After d/s w. : 0.3%(0.120) MCSD: 40.1 ID:42.0 mph:4.9 Clk:2 to 8 MPH coming into Bend (-10ft): 3.5 Leaving Bend (+10ft): 5.5 Min MPH over range: 0.6 at index 753216	902.45	9+02		6.2	0.000		39.91	4.6	9.1	4.6	40.3
F5	End Line Pipe	Harris Launcher GAS Receiver Tie-In	1021.06	10+21		2.8	0.000		40.23	0.0			

		Field Report - Bend Index											
		CUSTOMER/CONTRACTOR		EQT / MVP - Precision Pipeline									
		CUSTOMER LINE ID		Spread I, Section 2									
		JOB NUMBER		B20-998D									
		LAUNCH STATION		Spread I, Section 2 Launcher									
				Rocky Mount, VA									
		RECEIVE STATION		Spread I, Section 2 Receiver									
				Boonesmill, VA									
		PIPELINE LENGTH		5.8 mi									
Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B1	Fld Bnd 8.36 deg. Right Turn MCSD: 40.36		37.05	14004+11		4.5	0.617		40.36	37.0	60.6	23.6	55.9
B2	Fld Bnd 12.24 deg. Right & Down Turn MCSD: 40.30		378.00	14000+70		2.1	0.617		40.30	32.3	60.1	27.8	55.8
B3	Fld Bnd 16.29 deg. Up & Right Turn MCSD: 40.35		491.97	13999+56		2.5	0.617		40.35	30.4	59.8	29.4	59.9
B4	Bend 12.9 deg. 3.0 Ds Down Turn MCSD: 39.74	Before u/s w.: 0.7%(0.284) MCSD: 40.2 ID:40.5 mph:7.2 Clk:3 to 9 After d/s w.: 0.6%(0.247) MCSD: 40.2 ID:40.5 mph:4.8 Clk:3 to 9 MPH coming into Bend (-10ft): 8.6 Leaving Bend (+10ft): 3.0 Min MPH over range: 1.2 at index 1214621	640.96	13998+07		6.7	0.888		39.74	1.2	2.4	1.2	7.5
B5	Bend 21.9 deg. 3.0 Ds Up Turn MCSD: 40.06	Before u/s w.: 0.3%(0.111) MCSD: 40.4 ID:40.5 mph:3.5 Clk:3 to 9 After d/s w.: 0.2%(0.101) MCSD: 40.4 ID:40.5 mph:2.1 Clk:6 to 12 MPH coming into Bend (-10ft): 1.9 Leaving Bend (+10ft): 3.7 Min MPH over range: 1.6 at index 1214862	658.94	13997+89		2.5	0.888		40.06	2.0	4.0	2.0	3.0
B6	Fld Bnd 11.45 deg. Right Turn MCSD: 39.81		909.72	13995+38		0.6	0.740		39.81	31.8	59.6	27.9	60.0
B7	Fld Bnd 13.87 deg. Right & Down Turn MCSD: 39.71		968.32	13994+80		3.8	0.740		39.71	30.7	60.0	29.3	59.8
B8	Fld Bnd 7.65 deg. Right & Down Turn MCSD: 39.86		1028.85	13994+19		5.6	0.740		39.86	31.2	59.8	28.6	9.5
B9	Fld Bnd 10.08 deg. Left Turn MCSD: 39.93		1105.24	13993+43		5.4	0.740		39.93	18.4	40.2	21.8	59.8
B10	Fld Bnd 8.23 deg. Up & Right Turn MCSD: 39.98		1297.46	13991+51		12.1	0.740		39.98	27.1	59.5	32.4	10.0
B11	Fld Bnd 10.87 deg. Up & Right Turn MCSD: 40.07		1442.26	13990+06		8.0	0.740		40.07	31.5	59.8	28.3	30.0
B12	Fld Bnd 8.69 deg. Left & Up Turn MCSD: 39.95		1529.02	13989+19		8.0	0.740		39.95	28.4	48.5	20.0	24.3
B13	Fld Bnd 12.67 deg. Right & Down Turn MCSD: 40.03		1655.63	13987+92		6.8	0.740		40.03	22.7	59.8	37.0	59.8
B14	Fld Bnd 7.45 deg. Right & Down Turn MCSD: 39.66		1712.75	13987+35		5.6	0.740		39.66	20.1	59.8	39.7	60.1
B15	Fld Bnd 12.28 deg. Right Turn MCSD: 39.89		1783.68	13986+64		2.7	0.740		39.89	31.2	60.1	28.9	60.2
B16	Fld Bnd 16.15 deg. Right Turn MCSD: 39.88		1843.64	13986+04		9.2	0.740		39.88	31.0	60.2	29.2	59.7
B17	Fld Bnd 8.64 deg. Right Turn MCSD: 40.08		2138.32	13983+10		19.4	0.740		40.08	26.5	59.7	33.2	59.7
B18	Fld Bnd 10.63 deg. Left Turn MCSD: 39.76		2380.26	13980+68		7.0	0.740		39.76	29.6	60.0	30.4	60.2
B19	Fld Bnd 17.69 deg. Left Turn MCSD: 39.72		2440.61	13980+07		1.1	0.740		39.72	29.9	60.2	30.3	60.1
B20	Fld Bnd 16.3 deg. Left Turn MCSD: 39.79		2500.41	13979+48		16.8	0.740		39.79	29.5	60.1	30.6	60.0
B21	Fld Bnd 7.6 deg. Left Turn MCSD: 39.83		2551.72	13978+96		6.7	0.740		39.83	20.7	60.0	39.2	59.8
B22	Fld Bnd 5.96 deg. Left Turn MCSD: 40.04		2618.43	13978+30		3.7	0.740		40.04	27.5	59.8	32.3	59.9
B23	Fld Bnd 10.51 deg. Left Turn MCSD: 40.11		2678.51	13977+69		1.6	0.740		40.11	27.7	59.9	32.1	51.5
B24	Fld Bnd 15.84 deg. Left Turn MCSD: 40.03		2738.74	13977+09		10.0	0.740		40.03	28.1	51.5	23.4	59.8

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B25	Fld Bnd 7.88 deg. Right Turn MCSD: 40.17		3081.37	13973+67		4.1	0.740		40.17	20.1	59.8	39.7	59.9
B26	Fld Bnd 9.17 deg. Left Turn MCSD: 40.06		3271.25	13971+77		2.4	0.740		40.06	30.4	60.0	29.6	59.9
B27	Fld Bnd 7.93 deg. Left Turn MCSD: 39.98		3331.06	13971+17		2.5	0.740		39.96	30.2	59.9	29.7	59.9
B28	Fld Bnd 7.1 deg. Left Turn MCSD: 40.09		3380.57	13970+67		3.2	0.740		40.09	19.8	59.9	40.1	59.8
B29	Fld Bnd 5.69 deg. Right Turn MCSD: 40.18		3631.42	13968+17		4.2	0.740		40.18	31.3	59.8	28.5	60.1
B30	Fld Bnd 13.76 deg. Right Turn MCSD: 40.13		3690.58	13967+57		2.5	0.740		40.13	30.7	60.1	29.4	59.8
B31	Fld Bnd 7.56 deg. Right Turn MCSD: 40.19		4462.54	13959+85		1.1	0.740		40.19	26.3	47.1	20.8	60.2
B32	Fld Bnd 12.05 deg. Right Turn MCSD: 40.03		4515.77	13959+32		3.5	0.740		40.03	32.4	60.2	27.8	60.1
B33	Fld Bnd 9.15 deg. Right Turn MCSD: 40.17		4564.26	13958+84		2.8	0.740		40.17	20.7	60.1	39.3	59.8
B34	Fld Bnd 13.8 deg. Right Turn MCSD: 39.98		4775.12	13956+73		10.7	0.740		39.98	31.4	60.1	28.7	45.4
B35	Fld Bnd 7.25 deg. Up & Right Turn MCSD: 40.12		5478.79	13949+69		5.0	0.740		40.12	38.8	59.7	20.9	60.0
B36	Fld Bnd 6.53 deg. Right Turn MCSD: 40.16		5524.69	13949+23		3.9	0.740		40.16	25.0	60.0	35.0	59.8
B37	Fld Bnd 11.15 deg. Right Turn MCSD: 40.26		5889.52	13945+58		1.8	0.740		40.26	33.0	58.3	25.2	59.8
B38	Fld Bnd 8.5 deg. Right Turn MCSD: 40.02		6117.81	13943+30		1.5	0.740		40.02	23.9	60.1	36.2	59.8
B39	Fld Bnd 8.21 deg. Left Turn MCSD: 40.25		6412.00	13940+36		4.3	0.740		40.25	18.9	60.0	41.1	59.8
B40	Fld Bnd 11.49 deg. Left Turn MCSD: 39.97		6777.56	13936+70		5.1	0.740		39.97	25.2	60.0	34.8	59.8
B41	Fld Bnd 9.16 deg. Right Turn MCSD: 40.11		7072.48	13933+76		3.3	0.740		40.11	20.7	59.8	39.1	59.7
B42	Fld Bnd 10.65 deg. Left Turn MCSD: 39.97		7676.73	13927+71		6.7	0.740		39.97	26.9	50.8	23.9	60.1
B43	Fld Bnd 15.83 deg. Left Turn MCSD: 39.98		7731.01	13927+17		8.9	0.740		39.98	30.4	60.1	29.7	60.0
B44	Fld Bnd 10.79 deg. Left Turn MCSD: 40.01		7785.88	13926+62		8.6	0.740		40.01	25.0	60.0	35.0	59.8
B45	Fld Bnd 7.58 deg. Left Turn MCSD: 39.87		7974.41	13924+74		10.2	0.740		39.87	33.9	60.0	26.0	59.7
B46	Fld Bnd 8.32 deg. Right Turn MCSD: 40.25		8334.18	13921+14		4.4	0.617		40.25	19.7	38.6	18.8	40.7
B47	Fld Bnd 5.38 deg. Right Turn MCSD: 40.35		8373.85	13920+74		9.1	0.617		40.35	20.8	40.7	19.9	42.1
B48	Fld Bnd 9.98 deg. Right Turn MCSD: 40.13		8415.63	13920+32		6.9	0.617		40.13	21.9	42.1	20.2	41.3
B49	Fld Bnd 9.09 deg. Right Turn MCSD: 40.31		8455.40	13919+93		4.3	0.617		40.31	19.6	41.3	21.7	40.5
B50	Fld Bnd 9.48 deg. Right Turn MCSD: 40.24		8730.37	13917+18		3.3	0.617		40.24	12.5	32.5	20.0	41.4
B51	Bend 23.1 deg. 3.0 Ds Right & Down Turn MCSD: 39.94	Before u/s w.: 0.7%(0.305) MCSD: 40.4 ID:40.5 mph:2.9 Clk:4 to 10 After d/s w.: 0.5%(0.205) MCSD: 40.5 ID:40.8 mph:1.9 Clk:4 to 10 MPH coming into Bend (-10ft): 2.6 Leaving Bend (+10ft): 5.4 Min MPH over range: 1.9 at index 2203028	8880.14	13915+68		6.1	0.888		39.94	2.2	4.3	2.2	40.2
B52	Bend 13.7 deg. 3.0 Ds Up Turn MCSD: 39.62	Before u/s w.: 0.3%(0.124) MCSD: 40.6 ID:40.8 mph:4.2 Clk:2 to 8 After d/s w.: 0.2%(0.091) MCSD: 40.6 ID:40.8 mph:0.4 Clk:4 to 10 MPH coming into Bend (-10ft): 2.8 Leaving Bend (+10ft): 4.6 Min MPH over range: 0.1 at index 2208034	8923.75	13915+24		3.6	0.888		39.62	1.2	2.5	1.2	40.7

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B53	Bend 21.3 deg. 3.0 Ds Up & Right Turn MCSD: 39.96	Before u/s w.: 0.5%(0.214) MCSD: 40.4 ID:40.8 mph:9.2 Clk:2 to 8 After d/s w.: 0.5%(0.228) MCSD: 40.4 ID:40.8 mph:3.9 Clk:2 to 8 MPH coming into Bend (-10ft): 8.4 Leaving Bend (+10ft): 10.0 Min MPH over range: 0.4 at index 2218388	9009.04	13914+39		6.5	0.888		39.96	2.1	4.2	2.1	37.0
B54	Fid Bnd 7.02 deg. Left Turn MCSD: 40.44		9383.68	13910+64		8.6	0.617		40.44	18.9	40.5	21.5	40.3
B55	Fid Bnd 6.39 deg. Right Turn MCSD: 40.37		9506.12	13909+42		4.6	0.617		40.37	20.4	40.5	20.2	40.4
B56	Bend 52.4 deg. 3.0 Ds Right Turn MCSD: 39.75	Before u/s w.: 0.2%(0.063) MCSD: 40.4 ID:40.5 mph:5.8 Clk:3 to 9 After d/s w.: 0.2%(0.073) MCSD: 40.4 ID:40.5 mph:6.7 Clk:2 to 8 MPH coming into Bend (-10ft): 5.7 Leaving Bend (+10ft): 7.9 Min MPH over range: 5.3 at index 2322933	9890.56	13905+57		5.8	0.740		39.75	5.3	10.5	5.3	33.5
B57	Fid Bnd 5.37 deg. Down & Left Turn MCSD: 40.23		10517.06	13899+31		2.5	0.740		40.23	21.6	40.5	18.9	40.7
B58	Fid Bnd 10.09 deg. Left Turn MCSD: 39.92		10556.33	13898+92		2.5	0.740		39.92	20.4	40.7	20.3	40.5
B59	Fid Bnd 5.72 deg. Left Turn MCSD: 40.09		10595.15	13896+53		4.9	0.740		40.09	18.5	40.5	22.0	40.4
B60	Bend 62.0 deg. 3.0 Ds Left Turn MCSD: 39.97	Before u/s w.: 0.0%(-0.001) MCSD: 40.5 ID:40.5 mph:3.4 Clk:4 to 10 After d/s w.: 0.3%(0.115) MCSD: 40.3 ID:40.5 mph:11.2 Clk:2 to 8 MPH coming into Bend (-10ft): 1.6 Leaving Bend (+10ft): 9.4 Min MPH over range: 1.2 at index 2425238	10745.09	13897+03		9.4	0.617		39.97	6.4	12.7	6.3	40.3
B61	Bend 70.3 deg. 3.0 Ds Right Turn MCSD: 39.83	Before u/s w.: 0.3%(0.146) MCSD: 40.3 ID:40.5 mph:13.4 Clk:2 to 8 After d/s w.: 0.3%(0.134) MCSD: 40.3 ID:40.5 mph:12.9 Clk:3 to 9 MPH coming into Bend (-10ft): 15.2 Leaving Bend (+10ft): 12.7 Min MPH over range: 12.1 at index 2470493	11120.39	13893+28		13.8	0.740		39.83	7.1	14.3	7.1	40.4
B62	Fid Bnd 8.6 deg. Down & Left Turn MCSD: 39.95		11229.69	13892+18		14.0	0.740		39.95	21.5	40.5	19.0	40.1
B63	Bend 19.5 deg. 3.0 Ds Left & Up Turn MCSD: 39.73	Before u/s w.: 0.7%(0.280) MCSD: 40.2 ID:40.5 mph:13.0 Clk:1 to 7 After d/s w.: 0.5%(0.211) MCSD: 40.2 ID:40.5 mph:19.4 Clk:3 to 9 MPH coming into Bend (-10ft): 13.0 Leaving Bend (+10ft): 21.5 Min MPH over range: 13.0 at index 2496560	11334.17	13891+14		19.9	0.740		39.73	2.2	4.5	2.2	40.6
B64	Fid Bnd 9.86 deg. Left Turn MCSD: 39.92		11356.82	13890+91		24.0	0.740		39.92	20.4	40.6	20.2	39.7
B65	Fid Bnd 8.72 deg. Right Turn MCSD: 39.94		11520.58	13889+27		22.2	0.740		39.94	20.9	40.3	19.3	40.5
B66	Bend 30.9 deg. 3.0 Ds Up Turn MCSD: 39.50	Before u/s w.: 0.8%(0.321) MCSD: 40.1 ID:40.5 mph:20.4 Clk:6 to 12 After d/s w.: 0.3%(0.118) MCSD: 40.3 ID:40.5 mph:14.1 Clk:5 to 11 MPH coming into Bend (-10ft): 21.0 Leaving Bend (+10ft): 14.6 Min MPH over range: 13.7 at index 2537170	11663.59	13887+84		16.1	0.888		39.50	2.8	5.6	2.8	40.3
B67	Bend 71.2 deg. 3.0 Ds Left Turn MCSD: 39.86	Before u/s w.: 0.3%(0.119) MCSD: 40.4 ID:40.5 mph:13.1 Clk:4 to 10 After d/s w.: 0.3%(0.106) MCSD: 40.3 ID:40.5 mph:9.6 Clk:5 to 11 MPH coming into Bend (-10ft): 14.4 Leaving Bend (+10ft): 10.0 Min MPH over range: 9.1 at index 2548235	11755.89	13886+92		10.9	0.740		39.86	6.8	13.6	6.8	40.4
B68	Fid Bnd 8.34 deg. Right Turn MCSD: 39.91		11953.19	13884+95		11.7	0.740		39.91	20.0	40.4	20.4	40.6

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B69	Fld Bnd 7.7 deg. Right Turn MCSD: 39.95		11994.93	13884+53		14.2	0.740		39.95	21.4	40.6	19.2	40.2
B70	Fld Bnd 9.28 deg. Right Turn MCSD: 39.76		12114.45	13883+34		2.1	0.740		39.76	20.0	40.7	20.6	40.7
B71	Fld Bnd 10.04 deg. Right Turn MCSD: 39.90		12151.31	13882+97		14.0	0.740		39.90	16.2	40.7	24.4	40.5
B72	Fld Bnd 9.71 deg. Right Turn MCSD: 39.89		12195.20	13882+53		15.3	0.740		39.89	19.5	40.5	21.1	40.4
B73	Fld Bnd 6.57 deg. Left Turn MCSD: 39.84		12521.82	13879+26		4.3	0.740		39.84	23.3	40.5	17.2	40.5
B74	Fld Bnd 9.37 deg. Left Turn MCSD: 39.88		12555.63	13878+92		15.0	0.740		39.88	16.6	40.5	23.9	40.4
B75	Fld Bnd 5.51 deg. Left Turn MCSD: 40.01		12864.14	13875+84		10.7	0.740		40.01	16.8	40.5	23.8	40.7
B76	Bend 45.2 deg. 3.0 Ds Left Turn MCSD: 39.41	Before u/s w.: 0.1%(0.061) MCSD: 40.4 ID:40.5 mph:8.9 Clk:4 to 10 After d/s w.: 0.4%(0.172) MCSD: 40.2 ID:40.5 mph:10.4 Clk:4 to 10 MPH coming into Bend (-10ft): 9.9 Leaving Bend (+10ft): 10.8 Min MPH over range: 8.0 at index 2710537	13106.52	13873+41		10.1	0.740		39.41	4.4	8.8	4.4	4.1
B77	Fld Bnd 8.39 deg. Right Turn MCSD: 39.92		13248.82	13871+99		3.9	0.740		39.92	20.2	40.2	20.0	32.6
B78	Fld Bnd 9.46 deg. Right Turn MCSD: 39.86		13531.06	13869+17		2.8	0.740		39.86	18.3	40.2	22.0	40.2
B79	Fld Bnd 9.87 deg. Right Turn MCSD: 40.04		13613.57	13868+34		9.4	0.740		40.04	20.4	40.5	20.2	40.5
B80	Fld Bnd 6.67 deg. Left Turn MCSD: 40.14		13775.68	13866+72		2.3	0.740		40.14	20.9	40.4	19.5	40.5
B81	Fld Bnd 6.09 deg. Down & Left Turn MCSD: 40.11		14092.57	13863+55		15.3	0.740		40.11	19.6	40.5	20.9	31.3
B82	Fld Bnd 6.75 deg. Left & Up Turn MCSD: 40.22		14163.67	13862+84		2.5	0.740		40.22	19.0	40.2	21.2	10.0
B83	Bend 29.7 deg. 3.0 Ds Up Turn MCSD: 40.07	Before u/s w.: 0.6%(0.231) MCSD: 40.2 ID:40.5 mph:11.6 Clk:1 to 7 After d/s w.: 0.1%(0.024) MCSD: 40.4 ID:40.5 mph:6.9 Clk:3 to 9 MPH coming into Bend (-10ft): 12.8 Leaving Bend (+10ft): 7.0 Min MPH over range: 6.5 at index 2859525	14349.78	13860+98		9.1	0.740		40.07	2.9	5.8	2.9	17.4
B84	Bend 25.2 deg. 3.0 Ds Down Turn MCSD: 39.81	Before u/s w.: 1.0%(0.431) MCSD: 40.3 ID:40.8 mph:7.3 Clk:3 to 9 After d/s w.: 1.0%(0.407) MCSD: 40.3 ID:40.8 mph:10.1 Clk:3 to 9 MPH coming into Bend (-10ft): 5.4 Leaving Bend (+10ft): 13.1 Min MPH over range: 5.4 at index 2861085	14377.20	13860+71		10.7	0.740		39.81	2.3	4.6	2.3	9.8
B85	Fld Bnd 9.47 deg. Right Turn MCSD: 40.28		14489.37	13859+59		8.7	0.617		40.28	20.0	40.7	20.7	39.2
B86	Fld Bnd 8.65 deg. Right Turn MCSD: 40.41		14530.04	13859+18		11.6	0.617		40.41	20.0	39.2	19.2	41.1
B87	Fld Bnd 8.28 deg. Left Turn MCSD: 40.39		14655.32	13857+93		5.2	0.617		40.39	23.0	42.4	19.4	41.0
B88	Fld Bnd 8.11 deg. Left Turn MCSD: 40.23		14695.81	13857+52		3.3	0.617		40.23	21.0	41.0	20.0	41.6
B89	Fld Bnd 9.67 deg. Left Turn MCSD: 40.38		14737.88	13857+10		1.4	0.617		40.38	22.1	41.6	19.5	40.5
B90	Fld Bnd 9.69 deg. Left Turn MCSD: 40.29		14777.73	13856+70		3.6	0.617		40.29	20.3	40.5	20.2	40.8
B91	Fld Bnd 10.29 deg. Left Turn MCSD: 40.08		14818.97	13856+29		1.7	0.617		40.08	21.0	40.8	19.8	40.4
B92	Fld Bnd 9.47 deg. Right Turn MCSD: 40.11		14982.91	13854+65		2.3	0.617		40.11	20.8	41.1	20.3	40.3
B93	Fld Bnd 5.19 deg. Right & Down Turn MCSD: 40.32		15065.21	13853+83		6.1	0.617		40.32	21.7	40.5	18.7	41.8
B94	Fld Bnd 7.66 deg. Right Turn MCSD: 40.32		15106.02	13853+42		3.7	0.617		40.32	22.1	41.8	19.7	41.0

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B95	Bend 76.89 deg. 3.0 Ds Right Turn MCSD: 40.19	Before u/s w.: 0.6%(0.257) MCSD: 40.5 ID:40.8 mph:4.2 Clk:3 to 9 After d/s w.: 0.8%(0.330) MCSD: 40.4 ID:40.8 mph:6.4 Clk:3 to 9 MPH coming into Bend (-10ft): 2.7 Leaving Bend (+10ft): 6.3 Min MPH over range: 2.7 at index 2960890	15209.59	13852+38		6.7	0.617		40.19	7.6	15.7	8.0	24.7
B96	Fld Bnd 5.04 deg. Left & Up Turn MCSD: 40.00		16407.57	13840+40		10.0	0.740		40.00	18.4	39.0	20.6	40.4
B97	Fld Bnd 5.35 deg. Left & Up Turn MCSD: 40.15		16445.79	13840+02		1.6	0.740		40.15	17.7	40.4	22.7	40.6
B98	Fld Bnd 7.69 deg. Left Turn MCSD: 39.94		16488.21	13839+60		1.6	0.740		39.94	19.7	40.6	20.9	40.4
B99	Bend 16.0 deg. 3.0 Ds Right Turn MCSD: 39.58	Before u/s w.: 0.5%(0.199) MCSD: 40.3 ID:40.5 mph:5.8 Clk:3 to 9 After d/s w.: 0.4%(0.164) MCSD: 40.3 ID:40.5 mph:6.8 Clk:2 to 8 MPH coming into Bend (-10ft): 8.5 Leaving Bend (+10ft): 9.5 Min MPH over range: 5.7 at index 3190167	17113.47	13833+35		8.9	0.888		39.58	1.4	2.9	1.4	40.4
B100	Bend 20.9 deg. 3.0 Ds Up Turn MCSD: 38.88	Before u/s w.: 1.8%(0.759) MCSD: 39.7 ID:40.5 mph:6.4 Clk:3 to 9 After d/s w.: 1.4%(0.573) MCSD: 39.8 ID:40.5 mph:3.5 Clk:3 to 9 MPH coming into Bend (-10ft): 6.1 Leaving Bend (+10ft): 7.6 Min MPH over range: 0.6 at index 3200514	17197.87	13832+50		4.1	0.888		38.88	2.1	4.2	2.1	40.3
B101	Fld Bnd 6.25 deg. Down & Left Turn MCSD: 39.94		17461.09	13829+87		1.5	0.740		39.94	20.4	40.5	20.1	40.5
B102	Bend 45.1 deg. 3.0 Ds Left Turn MCSD: 39.78	Before u/s w.: 0.1%(0.054) MCSD: 40.4 ID:40.5 mph:9.9 Clk:4 to 10 After d/s w.: 0.3%(0.124) MCSD: 40.4 ID:40.5 mph:5.2 Clk:4 to 10 MPH coming into Bend (-10ft): 12.4 Leaving Bend (+10ft): 2.2 Min MPH over range: 2.2 at index 3371042	18607.83	13818+40		7.1	0.888		39.78	4.4	8.8	4.4	33.7
B103	Bend 45.2 deg. 3.0 Ds Left Turn MCSD: 39.99	Before u/s w.: 0.1%(0.056) MCSD: 40.4 ID:40.5 mph:6.7 Clk:4 to 10 After d/s w.: 0.3%(0.147) MCSD: 40.3 ID:40.5 mph:4.6 Clk:5 to 11 MPH coming into Bend (-10ft): 10.1 Leaving Bend (+10ft): 1.8 Min MPH over range: 0.2 at index 3434245	19134.93	13813+13		6.1	0.888		39.99	4.3	8.6	4.3	13.0
B104	Fld Bnd 6.8 deg. Down & Left Turn MCSD: 40.21		19288.27	13811+60		11.3	0.740		40.21	20.2	40.7	20.4	40.5
B105	Fld Bnd 6.02 deg. Right Turn MCSD: 40.04		19326.71	13811+21		14.5	0.740		40.04	18.0	40.5	22.5	3.7
B106	Bend 64.8 deg. 3.0 Ds Right Turn MCSD: 38.63	Before u/s w.: 1.8%(0.755) MCSD: 39.8 ID:40.5 mph:15.2 Clk:3 to 9 After d/s w.: 1.8%(0.755) MCSD: 39.8 ID:40.5 mph:15.1 Clk:2 to 8 MPH coming into Bend (-10ft): 16.3 Leaving Bend (+10ft): 18.4 Min MPH over range: 13.9 at index 3459291	19359.07	13810+89		17.8	0.740		38.63	6.2	12.3	6.1	24.0
B107	Bend 22.1 deg. 3.0 Ds Up Turn MCSD: 39.14	Before u/s w.: 1.6%(0.668) MCSD: 39.8 ID:40.5 mph:16.8 Clk:2 to 8 After d/s w.: 1.5%(0.616) MCSD: 39.5 ID:40.2 mph:12.8 Clk:2 to 8 MPH coming into Bend (-10ft): 17.9 Leaving Bend (+10ft): 8.9 Min MPH over range: 8.9 at index 3465121	19391.32	13810+57		14.7	0.888		39.14	2.1	4.2	2.1	30.2

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B108	Bend 40.4 deg. 3.0 Ds Left & Up Turn MCSD: 39.79	Before u/s w.: 0.1%(0.027) MCSD: 40.4 ID:40.5 mph:15.6 Clk:6 to 12 After d/s w.: 0.6%(0.249) MCSD: 40.2 ID:40.5 mph:15.9 Clk:3 to 9 MPH coming into Bend (-10ft): 16.5 Leaving Bend (+10ft): 15.5 Min MPH over range: 12.2 at index 3477215	19505.92	13809+42		16.2	0.888		39.79	3.8	7.7	3.8	40.4
B109	Fld Bnd 6.33 deg. Left Turn MCSD: 40.13		19748.32	13807+00		2.4	0.888		40.13	21.9	40.4	18.5	40.3
B110	Fld Bnd 9.64 deg. Down & Left Turn MCSD: 39.95		19826.62	13806+21		1.0	0.888		39.95	19.5	40.6	21.1	40.5
B111	Fld Bnd 7.51 deg. Down & Left Turn MCSD: 39.83		19868.23	13805+80		10.9	0.888		39.83	20.5	40.5	20.0	3.9
B112	Fld Bnd 5.78 deg. Left Turn MCSD: 39.55		19920.59	13805+27		10.2	0.888		39.55	28.5	42.8	14.4	38.5
B113	Fld Bnd 10.28 deg. Down & Left Turn MCSD: 39.85		19993.22	13804+55		1.3	0.888		39.85	19.7	40.4	20.6	25.1
B114	Bend 30.81 deg. 3.0 Ds Up Turn MCSD: 38.95	Before u/s w.: 1.5%(0.647) MCSD: 39.8 ID:40.2 mph:5.3 Clk:3 to 9 After d/s w.: 1.8%(0.759) MCSD: 39.7 ID:40.5 mph:6.5 Clk:3 to 9 MPH coming into Bend (-10ft): 4.0 Leaving Bend (+10ft): 5.5 Min MPH over range: 0.4 at index 3541758	20041.85	13804+06		2.2	0.617		38.95	2.9	5.7	2.9	14.9
B115	Fld Bnd 9.3 deg. Right Turn MCSD: 40.36		20305.48	13801+43		13.4	0.617		40.36	18.6	33.6	15.0	37.6
B116	Fld Bnd 9.93 deg. Right Turn MCSD: 40.35		20537.53	13799+10		9.8	0.617		40.35	19.4	40.3	21.0	41.4
B117	Fld Bnd 9.98 deg. Right Turn MCSD: 40.31		20580.24	13798+68		13.4	0.617		40.31	21.7	41.4	19.6	40.4
B118	Fld Bnd 9.03 deg. Right Turn MCSD: 40.40		20619.17	13798+29		9.6	0.617		40.40	19.3	40.4	21.1	40.3
B119	Bend 12.8 deg. 3.0 Ds Up Turn MCSD: 39.90	Before u/s w.: 0.7%(0.284) MCSD: 40.5 ID:40.8 mph:1.3 Clk:4 to 10 After d/s w.: 0.4%(0.185) MCSD: 40.5 ID:40.8 mph:2.4 Clk:4 to 10 MPH coming into Bend (-10ft): 4.0 Leaving Bend (+10ft): 3.3 Min MPH over range: 0.1 at index 3671353	21121.31	13793+27		1.6	0.888		39.90	1.2	2.5	1.2	41.2
B120	Fld Bnd 9.56 deg. Left & Up Turn MCSD: 40.43		21224.51	13792+23		6.7	0.617		40.43	20.0	39.9	19.9	18.3
B121	Fld Bnd 7.21 deg. Down & Left Turn MCSD: 40.52		21297.20	13791+51		8.7	0.617		40.52	21.4	40.4	19.0	40.9
B122	Fld Bnd 10.32 deg. Down & Left Turn MCSD: 40.17		21337.07	13791+11		8.4	0.617		40.17	20.9	40.9	20.0	40.8
B123	Fld Bnd 10.86 deg. Down & Left Turn MCSD: 39.70		21379.22	13790+69		5.6	0.617		39.70	22.2	40.8	18.6	40.8
B124	Fld Bnd 6.57 deg. Down & Left Turn MCSD: 40.51		21413.81	13790+34		1.7	0.617		40.51	15.9	40.8	24.9	39.5
B125	Bend 10.4 deg. 3.0 Ds Up Turn MCSD: 39.57	Before u/s w.: 2.0%(0.850) MCSD: 39.9 ID:40.8 mph:9.6 Clk:1 to 7 After d/s w.: 0.2%(0.067) MCSD: 40.7 ID:40.8 mph:4.6 Clk:6 to 12 MPH coming into Bend (-10ft): 6.7 Leaving Bend (+10ft): 6.5 Min MPH over range: 0.3 at index 3724392	21519.83	13789+28		11.0	0.888		39.57	0.8	1.6	0.8	41.0
B126	Bend 23.0 deg. 3.0 Ds Left Turn MCSD: 39.75	Before u/s w.: 0.6%(0.253) MCSD: 40.4 ID:40.8 mph:6.3 Clk:2 to 8 After d/s w.: 0.3%(0.137) MCSD: 40.6 ID:40.8 mph:4.3 Clk:4 to 10 MPH coming into Bend (-10ft): 5.0 Leaving Bend (+10ft): 8.9 Min MPH over range: 0.3 at index 3727625	21595.93	13788+52		6.8	0.888		39.75	2.2	4.3	2.2	2.0
B127	Fld Bnd 5.21 deg. Right Turn MCSD: 39.88		21964.87	13784+83		5.3	0.740		39.88	25.3	39.9	14.6	36.5
B128	Fld Bnd 7.27 deg. Right & Down Turn MCSD: 39.88		21993.32	13784+55		5.6	0.740		39.88	13.9	36.5	22.6	40.4
B129	Fld Bnd 9.05 deg. Down & Left Turn MCSD: 39.97		22157.62	13782+90		7.6	0.740		39.97	20.4	40.7	20.3	40.4

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B130	Bend 16.0 deg. 3.0 Ds Right & Down Turn MCSD: 39.38	Before u/s w.: 0.9%(0.394) MCSD: 40.1 ID:40.5 mph:12.8 Clk:3 to 9 After d/s w.: 0.9%(0.370) MCSD: 40.1 ID:40.5 mph:12.0 Clk:2 to 8 MPH coming into Bend (-10ft): 15.2 Leaving Bend (+10ft): 11.5 Min MPH over range: 11.1 at index 3821978	22368.98	13780+79		14.1	0.888		39.38	1.4	2.9	1.4	6.5
B131	Bend 32.9 deg. 3.0 Ds Left & Up Turn MCSD: 39.88	Before u/s w.: 0.7%(0.293) MCSD: 40.2 ID:40.5 mph:11.3 Clk:3 to 9 After d/s w.: 0.2%(0.097) MCSD: 40.3 ID:40.5 mph:10.2 Clk:3 to 9 MPH coming into Bend (-10ft): 12.4 Leaving Bend (+10ft): 7.7 Min MPH over range: 7.2 at index 3826858	22408.17	13780+40		10.8	0.740		39.88	3.1	6.2	3.1	6.4
B132	Bend 21.5 deg. 3.0 Ds Up Turn MCSD: 39.67	Before u/s w.: 0.1%(0.022) MCSD: 40.1 ID:40.2 mph:4.1 Clk:3 to 9 After d/s w.: 1.3%(0.565) MCSD: 39.7 ID:40.2 mph:8.6 Clk:3 to 9 MPH coming into Bend (-10ft): 5.2 Leaving Bend (+10ft): 7.3 Min MPH over range: 5.2 at index 3839137	22530.92	13779+17		8.0	0.888		39.67	2.0	3.9	2.0	14.6
B133	Bend 35.8 deg. 3.0 Ds Right & Down Turn MCSD: 40.02	Before u/s w.: 0.3%(0.122) MCSD: 40.3 ID:40.5 mph:8.1 Clk:3 to 9 After d/s w.: 0.4%(0.176) MCSD: 40.3 ID:40.5 mph:7.3 Clk:4 to 10 MPH coming into Bend (-10ft): 7.9 Leaving Bend (+10ft): 10.0 Min MPH over range: 6.8 at index 3843177	22551.00	13778+97		7.6	0.888		40.02	3.5	7.1	3.5	40.2
B134	Fld Bnd 7.1 deg. Down & Left Turn MCSD: 39.41		22607.15	13778+41		14.7	0.888		39.41	12.4	31.1	18.7	40.0
B135	Fld Bnd 6.81 deg. Up & Right Turn MCSD: 40.01		22646.91	13778+01		14.5	0.740		40.01	21.1	40.0	19.0	1.1
B136	Bend 7.8 deg. 3.0 Ds Up & Right Turn MCSD: 39.29	Before u/s w.: 0.8%(0.353) MCSD: 40.1 ID:40.5 mph:15.0 Clk:4 to 10 After d/s w.: 0.7%(0.291) MCSD: 40.1 ID:40.5 mph:16.8 Clk:5 to 11 MPH coming into Bend (-10ft): 15.9 Leaving Bend (+10ft): 17.0 Min MPH over range: 14.7 at index 3856653	22666.44	13777+82		18.0	0.740		39.29	0.6	1.1	0.6	2.7
B137	Bend 30.2 deg. 3.0 Ds Up & Right Turn MCSD: 39.38	Before u/s w.: 0.4%(0.171) MCSD: 40.3 ID:40.5 mph:17.5 Clk:3 to 9 After d/s w.: 0.7%(0.311) MCSD: 40.1 ID:40.5 mph:14.7 Clk:2 to 8 MPH coming into Bend (-10ft): 18.0 Leaving Bend (+10ft): 15.2 Min MPH over range: 14.0 at index 3863150	22713.34	13777+35		17.1	0.740		39.38	2.9	5.8	2.9	39.7
B138	Fld Bnd 9.31 deg. Right Turn MCSD: 40.06		23438.46	13770+10		14.1	0.740		40.06	20.3	39.7	19.4	40.7
B139	Fld Bnd 8.11 deg. Right & Down Turn MCSD: 39.99		23475.93	13769+72		1.1	0.740		39.99	18.1	40.7	22.6	40.3
B140	Bend 44.7 deg. 3.0 Ds Right Turn MCSD: 39.84	Before u/s w.: 0.5%(0.225) MCSD: 40.2 ID:40.5 mph:3.8 Clk:2 to 8 After d/s w.: 0.5%(0.225) MCSD: 40.2 ID:40.5 mph:5.6 Clk:1 to 7 MPH coming into Bend (-10ft): 5.0 Leaving Bend (+10ft): 6.6 Min MPH over range: 0.9 at index 3985761	23745.14	13767+03		4.6	0.888		39.84	4.6	9.2	4.6	7.8
B141	Bend 33.1 deg. 3.0 Ds Left Turn MCSD: 39.72	Before u/s w.: 0.3%(0.122) MCSD: 40.3 ID:40.5 mph:2.0 Clk:4 to 10 After d/s w.: 0.5%(0.206) MCSD: 40.3 ID:40.5 mph:0.2 Clk:4 to 10 MPH coming into Bend (-10ft): 1.6 Leaving Bend (+10ft): 3.7 Min MPH over range: 0.2 at index 4051144	24279.75	13761+68		2.6	0.888		39.72	3.1	6.2	3.1	12.4

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B142	Bend 19.9 deg. 3.0 Ds Left & Up Turn MCSD: 39.33	Before u/s w.: 0.6%(0.243) MCSD: 40.2 ID:40.5 mph:12.6 Clk:4 to 10 After d/s w.: 0.8%(0.338) MCSD: 40.1 ID:40.5 mph:13.6 Clk:4 to 10 MPH coming into Bend (-10ft): 15.3 Leaving Bend (+10ft): 14.6 Min MPH over range: 12.5 at index 4061888	24378.07	13760+70		14.6	0.888		39.33	1.8	3.6	1.8	28.0
B143	Fid Bnd 8.41 deg. Left Turn MCSD: 40.08		24466.27	13759+82		12.1	0.740		40.08	18.0	40.5	22.5	40.5
B144	Fid Bnd 9.05 deg. Left Turn MCSD: 39.96		24588.91	13758+59		13.4	0.740		39.96	19.2	40.5	21.4	40.4
B145	Bend 11.7 deg. 3.0 Ds Up Turn MCSD: 39.52	Before u/s w.: 0.4%(0.150) MCSD: 40.3 ID:40.5 mph:2.0 Clk:2 to 8 After d/s w.: 0.6%(0.240) MCSD: 40.2 ID:40.5 mph:6.4 Clk:2 to 8 MPH coming into Bend (-10ft): 1.6 Leaving Bend (+10ft): 9.0 Min MPH over range: 0.8 at index 4146128	25085.49	13753+63		4.3	0.888		39.52	1.0	1.9	1.0	40.4
B146	Bend 11.1 deg. 3.0 Ds Up Turn MCSD: 39.54	Before u/s w.: 0.3%(0.117) MCSD: 40.3 ID:40.5 mph:3.5 Clk:6 to 12 After d/s w.: 0.3%(0.143) MCSD: 40.3 ID:40.5 mph:7.7 Clk:1 to 7 MPH coming into Bend (-10ft): 5.9 Leaving Bend (+10ft): 12.3 Min MPH over range: 0.1 at index 4151513	25127.85	13753+20		6.2	0.888		39.54	1.0	2.0	1.0	40.5
B147	Fid Bnd 8.12 deg. Right & Down Turn MCSD: 40.01		25188.20	13752+60		15.7	0.740		40.01	18.9	40.5	21.6	11.7
B148	Bend 30.0 deg. 3.0 Ds Up & Right Turn MCSD: 39.77	Before u/s w.: 0.6%(0.239) MCSD: 40.2 ID:40.5 mph:17.1 Clk:3 to 9 After d/s w.: 1.0%(0.427) MCSD: 40.0 ID:40.5 mph:14.0 Clk:3 to 9 MPH coming into Bend (-10ft): 17.0 Leaving Bend (+10ft): 14.8 Min MPH over range: 13.8 at index 4164487	25224.40	13752+24		16.5	0.888		39.77	2.9	5.8	2.9	37.2
B149	Fid Bnd 7.67 deg. Right Turn MCSD: 39.97		25525.00	13749+23		4.5	0.740		39.97	20.0	40.3	20.3	40.3
B150	Fid Bnd 5.23 deg. Left Turn MCSD: 40.14		25687.95	13747+60		11.6	0.740		40.14	21.7	40.7	19.0	13.1
B151	Bend 64.6 deg. 3.0 Ds Right Turn MCSD: 39.76	Before u/s w.: 0.6%(0.264) MCSD: 40.2 ID:40.5 mph:10.4 Clk:2 to 8 After d/s w.: 0.6%(0.240) MCSD: 40.2 ID:40.5 mph:13.1 Clk:2 to 8 MPH coming into Bend (-10ft): 12.2 Leaving Bend (+10ft): 13.9 Min MPH over range: 10.4 at index 4221548	25713.48	13747+35		13.8	0.740		39.76	6.6	13.1	6.6	40.3
B152	Fid Bnd 8.93 deg. Up & Right Turn MCSD: 39.78		25902.00	13745+46		15.8	0.740		39.78	20.5	40.7	20.2	40.4
B153	Fid Bnd 7.1 deg. Left Turn MCSD: 40.03		26081.90	13743+66		13.3	0.740		40.03	21.9	40.4	18.4	40.3
B154	Fid Bnd 7.51 deg. Right Turn MCSD: 39.94		26322.35	13741+26		13.9	0.740		39.94	20.1	40.4	20.2	40.2
B155	Fid Bnd 6.36 deg. Left Turn MCSD: 39.95		26479.67	13739+68		1.9	0.740		39.95	16.1	40.6	24.4	40.5
B156	Fid Bnd 8.1 deg. Left Turn MCSD: 40.06		26522.54	13739+25		14.8	0.740		40.06	18.4	40.5	22.0	40.5
B157	Fid Bnd 8.59 deg. Left Turn MCSD: 39.94		26562.88	13738+85		12.1	0.740		39.94	18.3	40.5	22.2	40.4
B158	Fid Bnd 8.29 deg. Left Turn MCSD: 40.00		26645.15	13738+03		2.7	0.740		40.00	19.7	40.5	20.8	40.4
B159	Fid Bnd 8.15 deg. Left Turn MCSD: 39.94		26807.30	13736+41		2.0	0.740		39.94	20.2	40.5	20.3	40.5
B160	Fid Bnd 8.45 deg. Left Turn MCSD: 40.02		26846.67	13736+01		6.9	0.740		40.02	19.1	40.5	21.4	40.5
B161	Fid Bnd 8.31 deg. Left Turn MCSD: 39.95		26887.83	13735+60		3.0	0.740		39.95	19.7	40.5	20.7	40.4
B162	Fid Bnd 8.23 deg. Left Turn MCSD: 39.89		26928.85	13735+19		9.0	0.740		39.89	20.3	40.4	20.1	39.7
B163	Fid Bnd 5.73 deg. Left Turn MCSD: 40.03		27150.62	13732+97		3.8	0.740		40.03	19.5	40.6	21.0	40.5

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B164	Fld Bnd 8.15 deg. Left Turn MCSD: 39.84		27192.66	13732+55		1.6	0.740		39.84	21.0	40.5	19.5	40.3
B165	Fld Bnd 8.28 deg. Left Turn MCSD: 39.99		27313.48	13731+35		12.3	0.740		39.99	20.5	40.4	19.9	40.4
B166	Fld Bnd 7.98 deg. Left Turn MCSD: 39.87		27514.16	13729+34		1.6	0.740		39.87	19.6	40.3	20.7	40.5
B167	Fld Bnd 8.32 deg. Left Turn MCSD: 39.84		27554.61	13728+93		10.4	0.740		39.84	19.7	40.5	20.8	40.3
B168	Fld Bnd 7.55 deg. Right Turn MCSD: 40.01		27714.27	13727+34		5.7	0.740		40.01	19.1	39.7	20.6	40.7
B169	Fld Bnd 7.62 deg. Right Turn MCSD: 39.92		27753.76	13726+94		7.9	0.740		39.92	18.9	40.7	21.8	40.4
B170	Bend 29.7 deg. 3.0 Ds Up & Right Turn MCSD: 39.65	Before u/s w.: 0.4%(0.183) MCSD: 40.3 ID:40.5 mph:2.9 Clk:1 to 7 After d/s w.: 0.8%(0.325) MCSD: 40.2 ID:40.5 mph:6.3 Clk:1 to 7 MPH coming into Bend (-10ft): 4.3 Leaving Bend (+10ft): 9.3 Min MPH over range: 0.2 at index 4480051	27859.29	13725+89		0.2	0.888		39.65	3.0	5.9	2.9	40.5
B171	Bend 16.1 deg. 3.0 Ds Up Turn MCSD: 39.69	Before u/s w.: 0.2%(0.081) MCSD: 40.4 ID:40.5 mph:11.2 Clk:4 to 10 After d/s w.: 0.1%(0.034) MCSD: 40.4 ID:40.5 mph:10.4 Clk:4 to 10 MPH coming into Bend (-10ft): 12.6 Leaving Bend (+10ft): 10.0 Min MPH over range: 9.9 at index 4485897	27904.22	13725+44		11.3	0.888		39.69	1.5	3.0	1.5	40.3
B172	Bend 42.3 deg. 3.0 Ds Right Turn MCSD: 39.51	Before u/s w.: 0.7%(0.285) MCSD: 40.2 ID:40.5 mph:4.7 Clk:2 to 8 After d/s w.: 0.9%(0.370) MCSD: 40.1 ID:40.5 mph:7.6 Clk:2 to 8 MPH coming into Bend (-10ft): 1.6 Leaving Bend (+10ft): 9.1 Min MPH over range: 1.6 at index 4491335	27963.62	13724+84		8.0	0.888		39.51	4.2	8.3	4.2	40.4
B173	Fld Bnd 5.59 deg. Left Turn MCSD: 39.90		28128.34	13723+20		4.3	0.740		39.90	21.2	40.5	19.3	40.0
B174	Fld Bnd 8.92 deg. Left Turn MCSD: 40.01		28328.79	13721+19		8.7	0.740		40.01	20.1	40.4	20.3	40.2
B175	Bend 17.4 deg. 3.0 Ds Right Turn MCSD: 39.71	Before u/s w.: 0.6%(0.241) MCSD: 40.5 ID:40.8 mph:7.2 Clk:1 to 7 After d/s w.: 0.6%(0.246) MCSD: 40.5 ID:40.8 mph:3.7 Clk:2 to 8 MPH coming into Bend (-10ft): 2.3 Leaving Bend (+10ft): 9.1 Min MPH over range: 0.4 at index 4567303	28584.21	13718+64		5.4	0.888		39.71	2.2	4.5	2.3	2.7
B176	Bend 32.3 deg. 3.0 Ds Right Turn MCSD: 39.82	Before u/s w.: 0.7%(0.302) MCSD: 40.4 ID:40.8 mph:3.5 Clk:2 to 8 After d/s w.: 0.5%(0.228) MCSD: 40.5 ID:40.8 mph:9.4 Clk:2 to 8 MPH coming into Bend (-10ft): 6.3 Leaving Bend (+10ft): 13.0 Min MPH over range: 0.4 at index 4567303	28592.14	13718+56		8.9	0.888		39.82	3.0	5.9	3.0	7.0
B177	Bend 36.0 deg. 3.0 Ds Left Turn MCSD: 39.75	Before u/s w.: 0.4%(0.175) MCSD: 40.6 ID:40.8 mph:8.2 Clk:4 to 10 After d/s w.: 0.3%(0.119) MCSD: 40.6 ID:40.8 mph:3.7 Clk:5 to 11 MPH coming into Bend (-10ft): 8.9 Leaving Bend (+10ft): 9.9 Min MPH over range: 0.4 at index 4594148	28805.47	13716+43		3.6	0.740		39.75	3.6	7.1	3.6	40.2
B178	Fld Bnd 8.07 deg. Left Turn MCSD: 40.37		28912.06	13715+36		8.1	0.617		40.37	21.9	41.0	19.1	42.4
B179	Fld Bnd 8.64 deg. Left Turn MCSD: 40.32		28951.69	13714+96		16.1	0.617		40.32	20.5	42.4	21.9	39.7

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B180	Bend 45.2 deg. 3.0 Ds Left Turn MCSD: 40.11	Before u/s w.: 0.2%(0.083) MCSD: 40.6 ID:40.8 mph:6.3 Clk:2 to 8 After d/s w.: 0.1%(0.046) MCSD: 40.7 ID:40.8 mph:0.4 Clk:3 to 9 MPH coming into Bend (-10ft): 2.5 Leaving Bend (+10ft): 10.0 Min MPH over range: 0.4 at index 4619821	29017.79	13714+30		7.8	0.740		40.11	4.5	9.0	4.5	41.5
B181	Fid Bnd 7.62 deg. Right Turn MCSD: 40.54		29286.32	13711+62		8.8	0.617		40.54	21.2	40.6	19.3	40.5
B182	Fid Bnd 7.82 deg. Right Turn MCSD: 40.40		29325.47	13711+23		6.2	0.617		40.40	19.8	40.5	20.7	40.0
B183	Fid Bnd 5.74 deg. Left Turn MCSD: 40.46		29603.41	13708+45		9.3	0.617		40.46	15.7	33.4	17.7	7.1
B184	Bend 36.6 deg. 3.0 Ds Left Turn MCSD: 39.86	Before u/s w.: 0.8%(0.321) MCSD: 40.4 ID:40.8 mph:9.3 Clk:2 to 8 After d/s w.: 0.7%(0.289) MCSD: 40.5 ID:40.8 mph:8.8 Clk:2 to 8 MPH coming into Bend (-10ft): 10.9 Leaving Bend (+10ft): 14.1 Min MPH over range: 0.3 at index 4691791	29624.65	13708+23		1.1	0.740		39.86	3.5	7.1	3.5	40.4
B185	Bend 9.4 deg. 3.0 Ds Up Turn MCSD: 39.52	Before u/s w.: 0.7%(0.306) MCSD: 40.1 ID:40.5 mph:10.1 Clk:3 to 9 After d/s w.: 0.7%(0.308) MCSD: 40.2 ID:40.5 mph:4.8 Clk:3 to 9 MPH coming into Bend (-10ft): 11.8 Leaving Bend (+10ft): 4.3 Min MPH over range: 2.0 at index 4758751	30178.49	13702+70		7.9	0.888		39.52	1.0	1.9	1.0	38.9
B186	Bend 10.5 deg. 3.0 Ds Up Turn MCSD: 39.40	Before u/s w.: 0.7%(0.282) MCSD: 40.2 ID:40.5 mph:5.0 Clk:3 to 9 After d/s w.: 0.8%(0.346) MCSD: 40.1 ID:40.5 mph:0.8 Clk:3 to 9 MPH coming into Bend (-10ft): 5.5 Leaving Bend (+10ft): 7.4 Min MPH over range: 0.3 at index 4763602	30219.31	13702+29		3.3	0.888		39.40	1.0	1.9	1.0	19.9
B187	Bend 52.0 deg. 3.0 Ds Right Turn MCSD: 39.56	Before u/s w.: 0.3%(0.139) MCSD: 40.3 ID:40.5 mph:4.1 Clk:5 to 11 After d/s w.: 0.2%(0.100) MCSD: 40.4 ID:40.5 mph:6.3 Clk:5 to 11 MPH coming into Bend (-10ft): 5.3 Leaving Bend (+10ft): 6.6 Min MPH over range: 2.3 at index 4785126	30407.22	13700+41		5.3	0.740		39.56	5.3	10.5	5.3	3.1

Spread	Activity Name	Rem. Dur.	Start	Finish
E	E: Test Section 2 - Geo pig (Refer to Segment 3 for duration)	0	12/21/2023	12/21/2023
E	E: Test Section 3 - Geo Pig (Segments 2 and 3 together)	1	12/26/2023	12/26/2023
D	D Test Section 1 - Geo pig	2	1/3/2024	1/4/2024
C	C Test Section 3 - Geo pig	1	1/4/2024	1/4/2024
E	E: Test Section 1 - Geo Pig	2	1/4/2024	1/6/2024
H	H: Test Section 6 - Geo pig - H5/H6	1	1/10/2024	1/10/2024
C	C Test Section 4 - Geo pig	1	1/13/2024	1/13/2024
C	C Test Section 5 - Geo pig	2	1/14/2024	1/15/2024
F	F: Test Section 1 - Geo Pig	2	1/16/2024	1/17/2024
F	F: Test Section 7b - Geo Pig	2	1/16/2024	1/18/2024
F	F: Test Section 7a - Geo Pig	2	1/16/2024	1/18/2024
F	F: Test Section 3 - Geo Pig	2	1/18/2024	1/19/2024
F	F: Test Section 2 - Geo Pig	2	1/18/2024	1/19/2024
F	F: Test Section 6 - Geo Pig	2	1/18/2024	1/20/2024
F	F: Test Section 5 - Geo Pig	2	1/19/2024	1/22/2024
H	H: Test Section 5 - Geo pig - H5/H6	1	1/22/2024	1/22/2024
F	F: Test Section 4 - Geo Pig	2	1/22/2024	1/24/2024
I	I: Test Section 3 - Geo pig	1	2/1/2024	2/1/2024
D	D Test Section 3 - Geo pig	2	2/5/2024	2/6/2024
D	D Test Section 2 - Geo pig	2	2/5/2024	2/6/2024
G	G: Test Section 2 - Geo Pig	1	2/6/2024	2/6/2024
G	G: Test Section 1 - Geo Pig	1	2/6/2024	2/6/2024
H	H: Test Section 1 - Geo pig	1	2/9/2024	2/9/2024
H	H: Test Section 4 - Geo pig	1	2/11/2024	2/11/2024
G	G: Test Section 3 - Geo Pig	1	2/12/2024	2/12/2024
I	I: Test Section 4 - Geo pig	1	2/14/2024	2/14/2024
G	G: Test Section 4 - Geo Pig	1	2/16/2024	2/16/2024
H	H: Test Section 2 - Geo pig	1	2/19/2024	2/19/2024
I	I: Test Section 5 - Geo Pig	1	2/19/2024	2/19/2024
G	G: Test Section 5 - Geo Pig	2	2/26/2024	2/27/2024
H	H: Test Section 3 - Geo pig	1	2/27/2024	2/27/2024



JOB INFORMATION:	
CUSTOMER:	EQT / MVP - Precision Pipeline
REP.:	Jake Droste - (b) (6)
JOB NUMBER:	B20-749E,F
LOCATION:	Bridgeport, WV
ADDRESS FOR SHIPPING REPORTS:	
SHIP ADDR 1:	
SHIP ADDR 2:	
SHIP ADDR 3:	
SHIP ADDR 4:	
SHIP ADDR 5:	
BILLING INFORMATION:	
DAYS ON SITE:	2 - Day
MOB MAN:	1 - James Gaines
MOB TOOL:	1 - 42 Inch DdL Caliper
OTHER:	2 - Receivers, 2 - Geophones, 1 - Transmitter
OTHER:	Standard Support Equipment
SIGNATURES:	
Enduro Representative/Date:	11/22/2023
Customer Representative/Date:	11/22/2023
DATE / TIME:	NOTES:
	Central Standard Time
11/15/2023	Travel Day
	Departed Tulsa, OK
	Arrived in Terre Haute, IN
	Completed Daily Comm.
11/16/2023	Travel Day
	Departed Terre Haute, IN
	Arrived in Bridgeport, WV
	Completed Daily Comm.





DATE / TIME:	NOTES:
11/17/2023	Run Day
	B20-749F - 42 Inch DdL x 13.24 Miles / Spread B, Section 1 & 2 - Air - <u>EQT</u> / MVP - Precision Pipeline - Bridgeport, WV
	Departed hotel
	Arrived at launcher
	Made preparations to 42 Inch DdL Caliper Tool.
	Time Sync performed.
	Autopulse for 5 min, at 4 mph performed.
	Removed calibration equipment.
	Loaded 42 Inch DdL Caliper Tool.
4:52 PM	Launched 42 Inch DdL Caliper Tool
	Departed launch site.
	Arrived at receive site.
	Set up receiver at receive location.
9:15 PM	Received 42 Inch DdL Caliper Tool at End of Line Pipe, temporary receiver. Tool averaged 3.02 mph throughout line section.
	Verified location of tool with Enduro receiver.
	Blew down line section.
	Retrieved 42 Inch DdL Caliper Tool from receiver.
	Strapped down 42 Inch DdL Caliper Tool to tray in truck bed.
	Plugged into 42 Inch DdL Caliper Tool and downloaded data.
	Full and complete data was obtained.
	verified footage with customer.
	Departed job site
	Completed Daily Comm.
	Began analysis
11/18/2023	Stand-by Day
	Completed analysis on section.
	Generated reports
	Emailed reports
	Jake Droste with Precision Pipeline informed me to remain on stand-by for upcoming run B20-749E.
	Remained on stand-by.
11/19/2023	Stand-by Day
	Recalibrated 42 Inch DdL
	Remain on stand-by
11/20/2023	Stand-by Day
	Remained on stand-by
11/21/2023	Stand-by Day
	Remained on stand-by
	Confirmed with Jake Droste that tool run would be ready this night.





DATE / TIME:	NOTES:
11/22/2023	Run Day
	B20-749E - 42 Inch DdL x 7.48 Miles / Spread A, Section 4 - Air - <u>EQT / MVP</u> - Precision Pipeline - Bridgeport, WV
	Departed hotel
	Arrived at launcher
	Made preparations to 42 Inch DdL Caliper Tool.
	Time Sync performed.
	Autopulse for 5 min, at 4 mph performed.
	Removed calibration equipment.
	Loaded 42 Inch DdL Caliper Tool.
2:18 AM	Launched 42 Inch DdL Caliper Tool
	Departed launch site.
	Arrived at receive site.
	Set up receiver at receive location.
5:00 AM	Received 42 Inch DdL Caliper Tool at End of Line Pipe, temporary receiver. Tool averaged 2.74 mph throughout line section.
	Verified location of tool with Enduro receiver.
	Blew down line section.
	Retrieved 42 Inch DdL Caliper Tool from receiver.
	Strapped down 42 Inch DdL Caliper Tool to tray in truck bed.
	Plugged into 42 Inch DdL Caliper Tool and downloaded data.
	Full and complete data was obtained.
	verified footage with customer.
	Departed job site
	Completed Daily Comm.
	Began analysis
	Completed analysis on section.
	Generated reports
	Emailed reports
11/23/2023	Travel Day
	Departed for Tulsa, OK



Survey	Start (MP)	End (MP)	Segment Length (miles)	Report Number	Date Report Submitted to PHMSA
1	0	2.75	2.75	Report 1	10/26/2023
2	2.75	25.8	23.05		
3	25.8	33.02	7.22		
4	33	45.9	12.9		
5	45.9	65.4	19.5	Report 2	11/21/2023
6	65.4	77.3	11.9		
7	77.3	81.55	4.25		
8	81.65	87.3	5.65		
9	87.55	98.55	11		
10	98.6	110.25	11.65		
11	111.35	118.8	7.45		
12	119.65	128.2	8.55		
13	128.2	140.3	12.1		
14	140.5	154.43	13.93		
15	154.45	171.3	16.85		
16	171.6	182.7	11.1		
17	182.8	195.1	12.3		
18	201.65	204.3	2.65		
19	203.7	204.6	0.9		
20	204.6	207.85	3.25		
21	207.95	211.1	3.15		
22	211.25	212.9	1.65		
23	213	219.9	6.9		
24	220.95	227.6	6.65		
25	227.75	234.02	6.27		
26	234.38	236.6	2.22		
27	240.1	241.4	1.3		
28	245.9	248.6	2.7		
29	248.85	253.9	5.05		
30	253.9	269.3	15.4		
31	269.4	282.3	12.9		
32	282.4	291.9	9.5		
33	291.9	303.36	12.30		
Total			284.94		

		Wall Changes										
		CUSTOMER/CONTRACTOR	EQT - Precision Pipeline					PIPE DIAMETER		42.000 in		
		CUSTOMER LINE ID	MVP 61511-I-1					WALL THICKNESS		.000 in		
		JOB NUMBER	B20-998E					PRODUCT		12400 CFM - 30 PSI		
		LAUNCH STATION	Grassy Hill					RUN DATE		4-Dec-2023		
			Boones Mill, VA					FIELD ENGINEER		Scott Galcatcher		
		RECEIVE STATION	Cahas Mountain					CHART ANALYST		Scott Galcatcher		
			Boones Mill, VA					REPORT DATE		12/05/2023		
		PIPELINE LENGTH	5.35 mi					ISSUE #		1		

W61	Wall change from .740 to .617 for 239.51 feet - Customer supplied	15973.51	159+74	0.617	239.5						
W62	Wall change from .617 to .888 for 491.51 feet - Customer supplied	16213.02	162+13	0.888	491.5						
W63	Wall change from .888 to .617 for 39.51 feet - Customer supplied	16704.52	167+05	0.617	39.5						
W64	Wall change from .617 to .740 for 6.62 feet - Customer supplied	16744.03	167+44	0.740	6.6						
W65	Wall change from .740 to .617 for 254.30 feet - Customer supplied	16750.66	167+51	0.617	254.3						
W66	Wall change from .617 to .740 for 7.32 feet - Customer supplied	17004.96	170+05	0.740	7.3						
W67	Wall change from .740 to .617 for 2034.52 feet - Customer supplied	17012.27	170+12	0.617	2034.5						
W68	Wall change from .617 to .740 for 7.17 feet - Customer supplied	19046.80	190+47	0.740	7.2						
W69	Wall change from .740 to .617 for 1109.07 feet - Customer supplied	19053.97	190+54	0.617	1109.1						
W70	Wall change from .617 to .740 for 5.94 feet - Customer supplied	20163.04	201+63	0.740	5.9						
W71	Wall change from .740 to .617 for 212.82 feet - Customer supplied	20168.98	201+69	0.617	212.8						
W72	Wall change from .617 to .740 for 96.76 feet - Customer supplied	20381.81	203+82	0.740	96.8						
W73	Wall change from .740 to .617 for 17.51 feet - Customer supplied	20478.57	204+79	0.617	17.5						
W74	Wall change from .617 to .888 for 3.90 feet - Customer supplied	20496.07	204+96	0.888	3.9						
W75	Wall change from .888 to .617 for 2872.25 feet - Customer supplied	20499.97	205+00	0.617	2872.2						
W76	Wall change from .617 to .740 for 5.92 feet - Customer supplied	23372.22	233+72	0.740	5.9						
W77	Wall change from .740 to .617 for 601.10 feet - Customer supplied	23378.14	233+78	0.617	601.1						
W78	Wall change from .617 to .740 for 3.71 feet - Customer supplied	23979.24	239+79	0.740	3.7						
W79	Wall change from .740 to .617 for 764.19 feet - Customer supplied	23982.95	239+83	0.617	764.2						
W80	Wall change from .617 to .740 for 4.16 feet - Customer supplied	24747.14	247+47	0.740	4.2						
W81	Wall change from .740 to .617 for 2923.25 feet - Customer supplied	24751.30	247+51	0.617	2923.2						
W82	Wall change from .617 to .888 for 4.16 feet - Customer supplied	27674.55	276+75	0.888	4.2						
W83	Wall change from .888 to .617 for 548.75 feet - Customer supplied	27678.71	276+79	0.617	548.7						

October 20, 2023

Via e-mail to robert.burrough@dot.gov

Mr. Robert Burrough
Director, Eastern Region
Pipeline and Hazardous Materials Safety Administration
840 Bear Tavern Road
Suite 300
West Trenton, New Jersey 08628

**Re: Equitrans Midstream Corporation, CPF No. 1-2023-053-NOPSO
Remedial Work Plan for Corrective Measure 19(A)**

Dear Mr. Burrough,

Equitrans respectfully submits the attached Remedial Work Plan (RWP) for the Agency's review pursuant to Corrective Measure 19(A) of the Consent Agreement in the above-captioned proceeding. Equitrans respectfully requests that the Pipeline and Hazardous Materials Safety Administration (PHMSA) provide confidential treatment of the RWP, and the associated records uploaded to the Box site, pursuant to 49 C.F.R. § 190.343. These documents contain confidential information that Equitrans does not typically make public or otherwise provide outside of the company. While Equitrans will continue to add confidential markings to these documents, the company seeks a consultation under 49 C.F.R. § 7.29 if the Agency receives a FOIA request for these documents.

Equitrans is also respectfully advising PHMSA that it completed a successful caliper tool run from Mobley Station to Bradshaw station on October 14, 2023. An Enduro Pipeline Services tool was used on the 2.98 miles section of pipeline. No anomalies requiring remediation under Corrective Measure 19(A) or the attached RWP were discovered during the tool run. Having completed the successful tool run, Equitrans intends to introduce natural gas into the segment early next week.

Please feel free to contact me if you have any questions related to the RWP.

Sincerely,

A handwritten signature in blue ink that reads 'Robert J. Cooper'.

Robert Cooper
Senior Vice President,
Construction Services

October 19, 2023

Via e-mail to robert.burrough@dot.gov

Mr. Robert Burrough
Director, Eastern Region
Pipeline and Hazardous Materials Safety Administration
840 Bear Tavern Road
Suite 300
West Trenton, New Jersey 08628

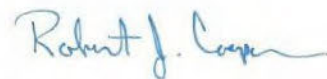
**Re: Equitrans Midstream Corporation, CPF No. 1-2023-053-NOPSO
Remedial Work Plan for Corrective Measure 16(B)(ii)**

Dear Mr. Burrough,

Equitrans respectfully submits the attached Remedial Work Plan (RWP) for the Agency's review pursuant to Corrective Measure 16(B)(ii) of the Consent Agreement in the above-captioned proceeding. Equitrans respectfully requests that the Pipeline and Hazardous Materials Safety Administration (PHMSA) provide confidential treatment of the RWP, and the associated records uploaded to the Box site, pursuant to 49 C.F.R. § 190.343. These documents contain confidential information that Equitrans does not typically make public or otherwise provide outside of the company. While Equitrans will continue to add confidential markings to these documents, the company seeks a consultation under 49 C.F.R. § 7.29 if the Agency receives a FOIA request for these documents.

Please contact me if you have any questions related to this Remedial Work Plan.

Sincerely,



Robert Cooper
Senior Vice President,
Construction Services



Field Report ~ Bend Index_Reissue

CUSTOMER/CONTRACTOR	EQT - Mountain Valley Pipeline / Precision Pipeline LLC	PIPE DIAMETER	42.000 in
CUSTOMER LINE ID	42-inch MVP Project - Spread B, Section 1	WALL THICKNESS	.617 in
JOB NUMBER	B20-749F	PRODUCT	Air - 12800 cfm / 35 psi
LAUNCH STATION	Spread B, Section 1 Launcher	RUN DATE	17-Nov-2023
	Salem, WV	FIELD ENGINEER	James Gaines
RECEIVE STATION	Spread B, Section 1 Receiver	CHART ANALYST	James Gaines
	Camden, WV	REPORT DATE	12/12/2023
PIPELINE LENGTH	13.24 mi	ISSUE #	2

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B1	Bend 19.1 deg. 3.0 Ds Down Turn MCSD: 40.24	Before u/s w.: 0.4%(0.182) MCSD: 40.4 ID:40.5 mph:0.9 Clk:6 to 12 After d/s w. : 0.2%(0.086) MCSD: 40.4 ID:40.5 mph:0.6 Clk:2 to 8 MPH coming into Bend (-10ft): 1.8 Leaving Bend (+10ft): 2.6 Min MPH over range: 0.4 at index 661633	6.78	1752+26		2.6	0.740		40.24	2.2	4.4	2.2	11.1
B2	Bend 89.3 deg. 3.0 Ds Up & Right Turn MCSD: 40.06	Before u/s w.: 0.6%(0.269) MCSD: 40.3 ID:40.5 mph:2.6 Clk:1 to 7 After d/s w. : 0.5%(0.198) MCSD: 40.3 ID:40.5 mph:3.4 Clk:6 to 12 MPH coming into Bend (-10ft): 1.6 Leaving Bend (+10ft): 3.5 Min MPH over range: 0.4 at index 663324	34.48	1752+54		2.5	0.740		40.06	9.4	18.7	9.4	2.9
B3	Bend 15.2 deg. 3.0 Ds Up Turn MCSD: 39.71	Before u/s w.: 0.5%(0.223) MCSD: 40.1 ID:40.2 mph:1.3 Clk:2 to 8 After d/s w. : 0.9%(0.392) MCSD: 39.9 ID:40.2 mph:2.7 Clk:2 to 8 MPH coming into Bend (-10ft): 3.1 Leaving Bend (+10ft): 4.2 Min MPH over range: 0.8 at index 679750	164.94	1753+84		1.1	0.888		39.71	1.6	3.2	1.6	4.1
B4	Fld Bnd 5.66 deg. Up & Right Turn MCSD: 39.94		215.73	1754+35		3.4	0.740		39.94	19.4	40.5	21.1	40.0
B5	Fld Bnd 7.08 deg. Up & Right Turn MCSD: 40.03		254.47	1754+74		3.3	0.740		40.03	17.6	40.0	22.4	37.8
B6	Fld Bnd 9.13 deg. Up & Right Turn MCSD: 39.88		292.77	1755+12		2.4	0.740		39.88	15.9	37.8	22.0	40.4
B7	Fld Bnd 6.01 deg. Up & Right Turn MCSD: 40.04		696.22	1759+16		3.2	0.740		40.04	21.4	40.4	18.9	40.2
B8	Bend 20.3 deg. 3.0 Ds Right Turn MCSD: 39.97	Before u/s w.: 1.4%(0.569) MCSD: 40.2 ID:40.8 mph:8.3 Clk:6 to 12 After d/s w. : 0.9%(0.393) MCSD: 40.4 ID:40.8 mph:7.3 Clk:5 to 11 MPH coming into Bend (-10ft): 6.6 Leaving Bend (+10ft): 6.6 Min MPH over range: 5.5 at index 762762	844.97	1760+64		7.4	0.617		39.97	2.2	4.5	2.2	3.1
B9	Fld Bnd 9.07 deg. Left Turn MCSD: 39.91		1219.94	1764+39		11.1	0.617		39.91	22.5	39.1	16.6	40.2

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B10	Fld Bnd 7.87 deg. Left Turn MCSD: 40.32		1260.67	1764+80		13.3	0.617		40.32	24.1	40.2	16.1	38.7
B11	Fld Bnd 7.68 deg. Left Turn MCSD: 40.36		1298.90	1765+18		14.8	0.617		40.36	22.1	38.7	16.6	8.0
B12	Fld Bnd 9.97 deg. Left Turn MCSD: 40.46		1344.05	1765+63		12.1	0.617		40.46	20.6	40.2	19.6	40.1
B13	Fld Bnd 6.27 deg. Left Turn MCSD: 40.51		1383.26	1766+03		9.5	0.617		40.51	19.6	40.1	20.6	39.9
B14	Fld Bnd 5.41 deg. Left Turn MCSD: 40.36		1520.08	1767+39		7.0	0.617		40.36	16.7	40.1	23.4	40.1
B15	Bend 47.03 deg. 3.0 Ds Right Turn MCSD: 39.53	Before u/s w.: 0.5%(0.193) MCSD: 40.6 ID:40.8 mph:15.3 Clk:5 to 11 After d/s w. : 1.2%(0.485) MCSD: 40.2 ID:40.8 mph:18.7 Clk:2 to 8 MPH coming into Bend (-10ft): 15.5 Leaving Bend (+10ft): 16.9 Min MPH over range: 13.4 at index 897678	1981.22	1772+01		19.0	0.617		39.53	4.5	9.1	4.5	3.0
B16	Fld Bnd 9.92 deg. Right & Down Turn MCSD: 40.26		2010.85	1772+30		26.6	0.617		40.26	22.1	39.8	17.8	33.9
B17	Bend 28.7 deg. 3.0 Ds Right Turn MCSD: 40.22	Before u/s w.: 0.2%(0.080) MCSD: 40.7 ID:40.8 mph:9.0 Clk:1 to 7 After d/s w. : 0.3%(0.108) MCSD: 40.6 ID:40.8 mph:9.5 Clk:1 to 7 MPH coming into Bend (-10ft): 8.3 Leaving Bend (+10ft): 10.7 Min MPH over range: 7.3 at index 991391	2763.53	1779+83		10.2	0.617		40.22	2.9	5.8	2.9	3.1
B18	Fld Bnd 11.45 deg. Right Turn MCSD: 39.80		2865.60	1780+85		16.6	0.617		39.80	20.2	39.7	19.6	36.5
B19	Bend 33.4 deg. 3.0 Ds Up & Right Turn MCSD: 39.91	Before u/s w.: 0.7%(0.297) MCSD: 40.5 ID:40.8 mph:12.6 Clk:5 to 11 After d/s w. : 0.7%(0.313) MCSD: 40.4 ID:40.8 mph:11.3 Clk:4 to 10 MPH coming into Bend (-10ft): 13.4 Leaving Bend (+10ft): 10.5 Min MPH over range: 9.0 at index 1018584	2987.86	1782+07		14.8	0.740		39.91	3.1	6.3	3.1	13.1
B20	Fld Bnd 7.48 deg. Left Turn MCSD: 40.40		3124.21	1783+43		3.8	0.617		40.40	22.2	40.5	18.2	3.5
B21	Bend 45.1 deg. 3.0 Ds Left Turn MCSD: 40.38	Before u/s w.: 0.6%(0.247) MCSD: 40.7 ID:40.8 mph:5.6 Clk:1 to 7 After d/s w. : 0.8%(0.316) MCSD: 40.4 ID:40.8 mph:9.6 Clk:2 to 8 MPH coming into Bend (-10ft): 3.4 Leaving Bend (+10ft): 9.4 Min MPH over range: 3.4 at index 1037168	3150.42	1783+70		8.9	0.617		40.38	4.5	9.1	4.5	3.2
B22	Fld Bnd 7.92 deg. Right Turn MCSD: 40.42		3907.55	1791+27		2.8	0.617		40.42	20.9	39.7	18.9	39.7
B23	Bend 58.6 deg. 3.0 Ds Left Turn MCSD: 39.82	Before u/s w.: 0.4%(0.158) MCSD: 40.7 ID:40.8 mph:13.6 Clk:2 to 8 After d/s w. : 1.0%(0.424) MCSD: 40.3 ID:40.8 mph:14.9 Clk:5 to 11 MPH coming into Bend (-10ft): 13.0 Leaving Bend (+10ft): 14.8 Min MPH over range: 12.2 at index 1170402	4258.73	1794+78		14.8	0.617		39.82	6.0	11.9	5.9	3.1

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B24	Fld Bnd 9.98 deg. Left Turn MCSD: 40.54		4627.51	1798+47		3.2	0.617		40.54	21.6	41.4	19.8	39.9
B25	Fld Bnd 5.38 deg. Down & Left Turn MCSD: 40.33		4907.88	1801+27		14.8	0.617		40.33	18.6	41.6	23.0	3.3
B26	Bend 28.8 deg. 3.0 Ds Left Turn MCSD: 39.77	Before u/s w.: 1.4%(0.579) MCSD: 40.3 ID:40.8 mph:1.9 Clk:6 to 12 After d/s w. : 0.5%(0.226) MCSD: 40.6 ID:40.8 mph:8.2 Clk:1 to 7 MPH coming into Bend (-10ft): 6.6 Leaving Bend (+10ft): 11.2 Min MPH over range: 1.1 at index 1252158	4937.18	1801+56		6.3	0.617		39.77	3.0	6.0	3.0	3.1
B27	Fld Bnd 8.44 deg. Left Turn MCSD: 40.50		5281.01	1805+00		2.8	0.617		40.50	14.1	40.1	26.0	35.7
B28	Fld Bnd 6.62 deg. Left Turn MCSD: 40.15		5445.52	1806+65		7.0	0.740		40.15	21.6	40.7	19.1	40.7
B29	Fld Bnd 6.81 deg. Left Turn MCSD: 40.14		5484.83	1807+04		8.9	0.740		40.14	20.2	40.7	20.5	40.6
B30	Fld Bnd 5.16 deg. Left Turn MCSD: 40.26		5753.98	1809+73		12.1	0.740		40.26	16.3	40.8	24.4	27.6
B31	Bend 27.2 deg. 3.0 Ds Up Turn MCSD: 39.88	Before u/s w.: 0.9%(0.396) MCSD: 40.2 ID:40.5 mph:0.7 Clk:3 to 9 After d/s w. : 0.9%(0.365) MCSD: 40.2 ID:40.5 mph:0.1 Clk:3 to 9 MPH coming into Bend (-10ft): 4.8 Leaving Bend (+10ft): 1.2 Min MPH over range: 0.1 at index 1375352	5954.32	1811+74		0.9	0.740		39.88	2.5	4.9	2.4	3.1
B32	Bend 40.4 deg. 3.0 Ds Up & Right Turn MCSD: 39.54	Before u/s w.: 1.4%(0.604) MCSD: 40.0 ID:40.5 mph:0.3 Clk:4 to 10 After d/s w. : 1.4%(0.606) MCSD: 40.0 ID:40.5 mph:0.5 Clk:4 to 10 MPH coming into Bend (-10ft): 0.5 Leaving Bend (+10ft): 1.2 Min MPH over range: 0.0 at index 1408765	6244.75	1814+64		0.9	0.740		39.54	4.0	7.9	4.0	25.0
B33	Bend 10.2 deg. 3.0 Ds Up Turn MCSD: 39.13	Before u/s w.: 1.9%(0.816) MCSD: 40.0 ID:40.5 mph:30.8 Clk:5 to 11 After d/s w. : 1.9%(0.816) MCSD: 40.0 ID:40.5 mph:30.9 Clk:1 to 7 MPH coming into Bend (-10ft): 28.8 Leaving Bend (+10ft): 32.3 Min MPH over range: 26.9 at index 1438977	6494.45	1817+14		33.3	0.740		39.13	1.4	2.7	1.4	30.7
B34	Bend 23.4 deg. 3.0 Ds Up Turn MCSD: 37.27	Before u/s w.: 1.3%(0.564) MCSD: 39.9 ID:40.5 mph:33.3 Clk:6 to 12 After d/s w. : 1.0%(0.441) MCSD: 39.9 ID:40.5 mph:39.0 Clk:5 to 11 MPH coming into Bend (-10ft): 33.8 Leaving Bend (+10ft): 38.2 Min MPH over range: 21.9 at index 1445104	6540.14	1817+59		33.3	0.740		37.27	2.3	4.5	2.3	13.3

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B35	Bend 18.4 deg. 3.0 Ds Up Turn MCSD: 37.72	Before u/s w.: 0.6%(0.240) MCSD: 40.3 ID:40.5 mph:36.0 Clk:1 to 7 After d/s w. : 0.9%(0.370) MCSD: 40.1 ID:40.5 mph:36.9 Clk:5 to 11 MPH coming into Bend (-10ft): 37.6 Leaving Bend (+10ft): 36.1 Min MPH over range: 31.7 at index 1457115	6643.99	1818+63		44.4	0.740		37.72	1.2	25.6	24.4	11.9
B36	Bend 47.1 deg. 3.0 Ds Right Turn MCSD: 36.90	Before u/s w.: 0.7%(0.287) MCSD: 40.0 ID:40.2 mph:36.9 Clk:6 to 12 After d/s w. : 1.0%(0.408) MCSD: 39.7 ID:40.2 mph:41.8 Clk:4 to 10 MPH coming into Bend (-10ft): 37.0 Leaving Bend (+10ft): 38.1 Min MPH over range: 30.0 at index 1462263	6684.34	1819+04		44.4	0.888		36.90	4.1	8.2	4.1	4.8
B37	Bend 39.2 deg. 3.0 Ds Up Turn MCSD: 32.97	Before u/s w.: 1.9%(0.816) MCSD: 40.0 ID:40.5 mph:37.2 Clk:1 to 7 After d/s w. : 1.9%(0.816) MCSD: 40.0 ID:40.5 mph:41.1 Clk:5 to 11 MPH coming into Bend (-10ft): 42.0 Leaving Bend (+10ft): 43.1 Min MPH over range: 35.2 at index 1472369	6773.97	1819+93		44.4	0.740		32.97	2.7	5.4	2.7	15.6
B38	Bend 15.0 deg. 3.0 Ds Up Turn MCSD: 36.34	Before u/s w.: 1.9%(0.816) MCSD: 40.0 ID:40.5 mph:40.7 Clk:1 to 7 After d/s w. : 1.9%(0.816) MCSD: 40.0 ID:40.5 mph:39.0 Clk:6 to 12 MPH coming into Bend (-10ft): 46.1 Leaving Bend (+10ft): 44.5 Min MPH over range: 30.7 at index 1479462	6827.14	1820+46		33.3	0.740		36.34	3.3	6.6	3.3	38.4
B39	Fld Bnd 14.8 deg. Left Turn MCSD: 39.28		6891.22	1821+11		66.6	0.740		39.28	22.3	38.7	16.3	35.4
B40	Bend 51.3 deg. 3.0 Ds Up Turn MCSD: 33.79	Before u/s w.: 1.0%(0.418) MCSD: 40.0 ID:40.5 mph:44.4 Clk:2 to 8 After d/s w. : 1.6%(0.668) MCSD: 39.4 ID:40.5 mph:46.3 Clk:5 to 11 MPH coming into Bend (-10ft): 45.7 Leaving Bend (+10ft): 43.3 Min MPH over range: 40.6 at index 1502350	7023.35	1822+43		66.6	0.740		33.79	3.4	6.8	3.4	7.0
B41	Fld Bnd 9.2 deg. Left Turn MCSD: 39.88		7087.12	1823+06		44.4	0.740		39.88	19.9	37.0	17.1	3.0
B42	Bend 53.8 deg. 3.0 Ds Left & Up Turn MCSD: 35.41	Before u/s w.: 0.6%(0.238) MCSD: 40.0 ID:40.5 mph:47.0 Clk:1 to 7 After d/s w. : 1.5%(0.627) MCSD: 39.6 ID:40.5 mph:47.4 Clk:1 to 7 MPH coming into Bend (-10ft): 46.7 Leaving Bend (+10ft): 45.2 Min MPH over range: 42.7 at index 1513460	7110.56	1823+30		44.4	0.740		35.41	3.4	6.7	3.4	12.8

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B43	Bend 6.0 deg. 3.0 Ds Up Turn MCSD: 34.92	Before u/s w.: 1.9%(0.816) MCSD: 40.0 ID:40.5 mph:40.5 Clk:3 to 9 After d/s w. : 1.9%(0.816) MCSD: 40.0 ID:40.5 mph:45.0 Clk:1 to 7 MPH coming into Bend (-10ft): 45.9 Leaving Bend (+10ft): 39.6 Min MPH over range: 35.7 at index 1520034	7168.53	1823+88		44.4	0.740		34.92	2.7	5.5	2.7	4.7
B44	Bend 16.0 deg. 3.0 Ds Up Turn MCSD: 38.22	Before u/s w.: 0.7%(0.292) MCSD: 40.2 ID:40.5 mph:37.2 Clk:0 to 6 After d/s w. : 0.9%(0.372) MCSD: 40.0 ID:40.5 mph:35.7 Clk:0 to 6 MPH coming into Bend (-10ft): 36.1 Leaving Bend (+10ft): 33.7 Min MPH over range: 29.4 at index 1528872	7237.64	1824+57		33.3	0.740		38.22	2.8	5.5	2.8	6.9
B45	Bend 17.7 deg. 3.0 Ds Up Turn MCSD: 38.71	Before u/s w.: 1.0%(0.413) MCSD: 40.1 ID:40.5 mph:30.3 Clk:0 to 6 After d/s w. : 1.1%(0.480) MCSD: 40.0 ID:40.5 mph:29.0 Clk:1 to 7 MPH coming into Bend (-10ft): 31.3 Leaving Bend (+10ft): 25.2 Min MPH over range: 23.5 at index 1532696	7270.57	1824+90		22.2	0.740		38.71	2.4	2.8	0.4	10.1
B46	Fld Bnd 6.14 deg. Up & Right Turn MCSD: 40.19		7755.71	1829+75		22.2	0.740		40.19	18.8	40.3	21.5	40.7
B47	Fld Bnd 7.19 deg. Right Turn MCSD: 40.01		7795.78	1830+15		26.6	0.740		40.01	18.5	40.7	22.2	38.5
B48	Fld Bnd 7.9 deg. Right Turn MCSD: 39.90		7837.13	1830+56		33.3	0.740		39.90	19.2	38.5	19.3	30.7
B49	Fld Bnd 8.11 deg. Left Turn MCSD: 39.89		7937.67	1831+57		44.4	0.740		39.89	19.7	40.8	21.1	39.4
B50	Fld Bnd 7.96 deg. Left & Up Turn MCSD: 40.12		7975.71	1831+95		33.3	0.740		40.12	16.9	39.4	22.4	26.6
B51	Fld Bnd 14.11 deg. Left & Up Turn MCSD: 40.08		8046.78	1832+66		66.6	0.740		40.08	22.1	39.2	17.1	9.5
B52	Bend 18.9 deg. 3.0 Ds Up Turn MCSD: 39.23	Before u/s w.: 0.6%(0.262) MCSD: 39.9 ID:40.5 mph:45.5 Clk:3 to 9 After d/s w. : 0.4%(0.160) MCSD: 40.2 ID:40.5 mph:49.5 Clk:2 to 8 MPH coming into Bend (-10ft): 44.8 Leaving Bend (+10ft): 42.3 Min MPH over range: 42.3 at index 1636234	8124.82	1833+44		44.4	0.740		39.23	2.4	11.6	9.2	20.3
B53	Bend 15.8 deg. 3.0 Ds Up Turn MCSD: 38.07	Before u/s w.: 1.9%(0.816) MCSD: 40.0 mph:45.9 Clk:6 to 12 After d/s w. : 1.9%(0.816) MCSD: 40.0 ID:40.5 mph:42.2 Clk:6 to 12 MPH coming into Bend (-10ft): 45.1 Leaving Bend (+10ft): 48.8 Min MPH over range: 36.0 at index 1639484	8157.97	1833+77		33.3	0.740		38.07	1.4	2.8	1.4	9.3
B54	Fld Bnd 5.01 deg. Right & Down Turn MCSD: 39.47		8322.02	1835+41		33.3	0.740		39.47	20.2	40.4	20.2	40.9
B55	Fld Bnd 9.15 deg. Down & Left Turn MCSD: 39.79		8437.26	1836+57		33.3	0.740		39.79	20.3	40.9	20.6	40.4
B56	Fld Bnd 6.27 deg. Right & Down Turn MCSD: 40.21		8609.71	1838+29		26.6	0.617		40.21	20.1	39.8	19.7	30.9

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B57	Bend 30.8 deg. 3.0 Ds Up & Right Turn MCSD: 38.50	Before u/s w.: 1.4%(0.591) MCSD: 40.0 ID:40.8 mph:31.1 Clk:6 to 12 After d/s w. : 1.2%(0.503) MCSD: 40.0 ID:40.8 mph:35.9 Clk:3 to 9 MPH coming into Bend (-10ft): 30.6 Leaving Bend (+10ft): 34.3 Min MPH over range: 27.6 at index 1709989	8748.57	1839+68		33.3	0.617		38.50	2.8	5.6	2.8	2.9
B58	Bend 37.3 deg. 3.0 Ds Left & Up Turn MCSD: 38.83	Before u/s w.: 0.4%(0.178) MCSD: 40.3 ID:40.5 mph:32.9 Clk:0 to 6 After d/s w. : 1.3%(0.549) MCSD: 39.9 ID:40.5 mph:30.9 Clk:2 to 8 MPH coming into Bend (-10ft): 32.9 Leaving Bend (+10ft): 30.2 Min MPH over range: 25.5 at index 1717064	8809.78	1840+29		26.6	0.740		38.83	3.6	7.2	3.6	3.1
B59	Bend 14.5 deg. 3.0 Ds Up Turn MCSD: 39.88	Before u/s w.: 0.3%(0.111) MCSD: 40.4 ID:40.8 mph:16.5 Clk:4 to 10 After d/s w. : 0.8%(0.320) MCSD: 40.4 ID:40.8 mph:17.2 Clk:5 to 11 MPH coming into Bend (-10ft): 21.0 Leaving Bend (+10ft): 17.3 Min MPH over range: 15.6 at index 1730124	8915.54	1841+35		16.6	0.617		39.88	1.8	3.6	1.8	6.1
B60	Fld Bnd 10.51 deg. Left Turn MCSD: 40.13		9084.19	1843+03		12.1	0.617		40.13	22.3	41.4	19.2	34.9
B61	Bend 19.9 deg. 3.0 Ds Up Turn MCSD: 38.28	Before u/s w.: 1.1%(0.447) MCSD: 40.0 ID:40.5 mph:28.0 Clk:3 to 9 After d/s w. : 0.4%(0.163) MCSD: 40.3 ID:40.5 mph:30.1 Clk:1 to 7 MPH coming into Bend (-10ft): 26.1 Leaving Bend (+10ft): 31.3 Min MPH over range: 24.0 at index 1762574	9190.10	1844+09		33.3	0.740		38.28	2.9	5.8	2.9	17.2
B62	Fld Bnd 5.42 deg. Down & Left Turn MCSD: 39.84		9388.95	1846+08		44.4	0.740		39.84	27.2	40.1	12.8	39.0
B63	Bend 15.7 deg. 3.0 Ds Up Turn MCSD: 38.26	Before u/s w.: 1.1%(0.454) MCSD: 39.5 ID:40.5 mph:39.8 Clk:1 to 7 After d/s w. : 0.9%(0.362) MCSD: 40.1 ID:40.5 mph:41.3 Clk:3 to 9 MPH coming into Bend (-10ft): 46.5 Leaving Bend (+10ft): 41.6 Min MPH over range: 33.5 at index 1817890	9645.67	1848+65		44.4	0.740		38.26	1.7	3.3	1.7	25.6
B64	Fld Bnd 10.59 deg. Left Turn MCSD: 39.87		9694.37	1849+14		33.3	0.740		39.87	21.4	36.4	14.9	4.6
B65	Bend 45.9 deg. 3.0 Ds Up Turn MCSD: 39.29	Before u/s w.: 0.6%(0.244) MCSD: 40.3 ID:40.5 mph:0.1 Clk:3 to 9 After d/s w. : 1.1%(0.479) MCSD: 40.1 ID:40.5 mph:1.9 Clk:3 to 9 MPH coming into Bend (-10ft): 0.2 Leaving Bend (+10ft): 2.3 Min MPH over range: 0.0 at index 1869986	10086.57	1853+06		0.6	0.740		39.29	4.1	8.3	4.1	14.2

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B66	Bend 43.6 deg. 3.0 Ds Right Turn MCSD: 39.15	Before u/s w.: 0.2%(0.085) MCSD: 40.6 ID:40.8 mph:28.0 Clk:2 to 8 After d/s w. : 0.6%(0.253) MCSD: 40.4 ID:40.8 mph:29.3 Clk:5 to 11 MPH coming into Bend (-10ft): 28.0 Leaving Bend (+10ft): 28.8 Min MPH over range: 23.6 at index 1949937	10753.32	1859+73		26.6	0.617		39.15	4.5	9.0	4.5	2.5
B67	Bend 34.6 deg. 3.0 Ds Left Turn MCSD: 36.58	Before u/s w.: 1.1%(0.480) MCSD: 40.1 ID:40.8 mph:36.0 Clk:0 to 6 After d/s w. : 1.1%(0.460) MCSD: 40.1 ID:40.8 mph:37.9 Clk:1 to 7 MPH coming into Bend (-10ft): 35.6 Leaving Bend (+10ft): 34.3 Min MPH over range: 29.4 at index 1991733	11099.55	1863+19		33.3	0.617		36.58	2.8	5.6	2.8	40.8
B68	Fld Bnd 4.4 deg. Up Turn MCSD: 40.35		11322.68	1865+42		33.3	0.617		40.35	16.3	40.0	23.6	41.8
B69	Fld Bnd 13.69 deg. Right Turn MCSD: 40.24		11763.88	1869+83		16.6	0.617		40.24	16.4	35.8	19.4	39.6
B70	Fld Bnd 10.79 deg. Left & Up Turn MCSD: 40.12		11917.53	1871+37		33.3	0.617		40.12	20.9	41.8	20.9	41.2
B71	Fld Bnd 3.39 deg. Up Turn MCSD: 40.10		11968.39	1871+88		33.3	0.617		40.10	29.9	41.2	11.2	41.4
B72	Fld Bnd 3.36 deg. Up Turn MCSD: 40.51		12148.22	1873+68		22.2	0.617		40.51	13.7	39.8	26.2	40.0
B73	Fld Bnd 3.43 deg. Up Turn MCSD: 40.47		12312.08	1875+31		19.0	0.617		40.47	16.2	41.5	25.4	41.7
B74	Fld Bnd 9.11 deg. Left Turn MCSD: 40.44		12463.52	1876+83		5.3	0.617		40.44	20.9	41.8	20.9	15.1
B75	Bend 53.8 deg. 3.0 Ds Up & Right Turn MCSD: 39.30	Before u/s w.: 1.9%(0.785) MCSD: 39.6 ID:40.8 mph:27.5 Clk:1 to 7 After d/s w. : 0.2%(0.075) MCSD: 40.5 ID:40.8 mph:25.2 Clk:6 to 12 MPH coming into Bend (-10ft): 21.3 Leaving Bend (+10ft): 22.3 Min MPH over range: 19.1 at index 2197613	12821.10	1880+40		22.2	0.617		39.30	2.8	5.6	2.8	5.0
B76	Fld Bnd 5.01 deg. Right Turn MCSD: 39.91		12876.47	1880+96		26.6	0.617		39.91	17.4	41.5	24.1	37.3
B77	Fld Bnd 9.12 deg. Left & Up Turn MCSD: 40.06		13035.15	1882+54		33.3	0.617		40.06	19.6	42.8	23.2	41.3
B78	Bend 34.2 deg. 3.0 Ds Right Turn MCSD: 38.77	Before u/s w.: 0.4%(0.177) MCSD: 40.6 ID:40.8 mph:28.1 Clk:5 to 11 After d/s w. : 1.0%(0.432) MCSD: 40.2 ID:40.8 mph:23.5 Clk:3 to 9 MPH coming into Bend (-10ft): 26.8 Leaving Bend (+10ft): 28.8 Min MPH over range: 23.4 at index 2261480	13339.31	1885+59		26.6	0.617		38.77	3.2	6.4	3.2	2.0
B79	Fld Bnd 10.98 deg. Left Turn MCSD: 40.22		13570.87	1887+90		26.6	0.617		40.22	21.7	41.9	20.3	41.6
B80	Fld Bnd 12.16 deg. Left & Up Turn MCSD: 39.62		13613.27	1888+33		33.3	0.617		39.62	22.1	41.6	19.4	41.6
B81	Fld Bnd 12.69 deg. Left Turn MCSD: 40.19		14378.03	1895+97		19.0	0.617		40.19	24.1	41.7	17.6	43.4
B82	Fld Bnd 12.73 deg. Left Turn MCSD: 40.26		14460.21	1896+79		16.6	0.617		40.26	21.2	41.8	20.6	40.8

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B83	Bend 33.2 deg. 3.0 Ds Up & Right Turn MCSD: 39.70	Before u/s w.: 0.8%(0.354) MCSD: 40.4 ID:40.8 mph:21.5 Clk:2 to 8 After d/s w. : 0.6%(0.241) MCSD: 40.4 ID:40.8 mph:21.4 Clk:5 to 11 MPH coming into Bend (-10ft): 21.5 Leaving Bend (+10ft): 21.2 Min MPH over range: 17.6 at index 2417753	14650.33	1898+70		26.6	0.617		39.70	3.3	6.8	3.6	4.8
B84	Bend 45.2 deg. 3.0 Ds Left & Up Turn MCSD: 39.69	Before u/s w.: 0.3%(0.113) MCSD: 40.7 ID:40.8 mph:20.7 Clk:6 to 12 After d/s w. : 0.5%(0.206) MCSD: 40.4 ID:40.8 mph:17.4 Clk:4 to 10 MPH coming into Bend (-10ft): 21.2 Leaving Bend (+10ft): 20.0 Min MPH over range: 15.5 at index 2468251	15059.59	1902+79		19.0	0.617		39.69	4.5	9.1	4.5	2.6
B85	Bend 43.3 deg. 3.0 Ds Left & Up Turn MCSD: 40.05	Before u/s w.: 0.8%(0.341) MCSD: 40.5 ID:40.8 mph:12.2 Clk:6 to 12 After d/s w. : 0.9%(0.368) MCSD: 40.4 ID:40.8 mph:10.7 Clk:5 to 11 MPH coming into Bend (-10ft): 11.8 Leaving Bend (+10ft): 11.0 Min MPH over range: 10.5 at index 2535212	15619.00	1908+38		12.1	0.617		40.05	4.6	9.2	4.6	33.9
B86	Fld Bnd 5.43 deg. Right Turn MCSD: 40.31		15641.01	1908+60		11.1	0.617		40.31	17.4	33.9	16.5	41.5
B87	Bend 44.2 deg. 3.0 Ds Right Turn MCSD: 40.24	Before u/s w.: 0.2%(0.081) MCSD: 40.7 ID:40.8 mph:10.0 Clk:3 to 9 After d/s w. : 0.3%(0.114) MCSD: 40.7 ID:40.8 mph:10.0 Clk:3 to 9 MPH coming into Bend (-10ft): 9.7 Leaving Bend (+10ft): 12.1 Min MPH over range: 8.5 at index 2596928	16142.37	1913+62		10.2	0.617		40.24	4.5	9.1	4.5	2.6
B88	Fld Bnd 11.59 deg. Right Turn MCSD: 40.25		16362.47	1915+82		12.1	0.617		40.25	20.7	41.1	20.4	40.9
B89	Fld Bnd 11.63 deg. Right Turn MCSD: 40.31		16401.68	1916+21		12.1	0.617		40.31	18.8	40.9	22.1	40.6
B90	Fld Bnd 11.13 deg. Left Turn MCSD: 40.03		16830.86	1920+50		4.9	0.617		40.03	22.6	41.8	19.2	34.1
B91	Fld Bnd 11.06 deg. Left Turn MCSD: 40.25		16908.39	1921+28		8.3	0.617		40.25	24.3	42.5	18.2	31.0
B92	Fld Bnd 9.89 deg. Left Turn MCSD: 40.34		16979.48	1921+99		7.4	0.617		40.34	21.9	40.3	18.4	41.0
B93	Fld Bnd 13.28 deg. Right Turn MCSD: 40.22		17335.17	1925+54		16.6	0.617		40.22	16.1	40.5	24.4	41.6
B94	Fld Bnd 12.67 deg. Right Turn MCSD: 40.40		17381.66	1926+01		19.0	0.617		40.40	22.1	41.6	19.5	41.1
B95	Fld Bnd 9.86 deg. Left Turn MCSD: 40.19		17558.15	1927+77		26.6	0.617		40.19	22.9	40.8	17.9	29.3
B96	Fld Bnd 13.41 deg. Left Turn MCSD: 40.38		17664.16	1928+83		19.0	0.617		40.38	23.1	41.9	18.9	38.0
B97	Fld Bnd 5.7 deg. Left & Up Turn MCSD: 40.26		17702.01	1929+21		19.0	0.617		40.26	19.0	38.0	19.0	41.6
B98	Fld Bnd 5.52 deg. Left & Up Turn MCSD: 40.35		17740.88	1929+60		22.2	0.617		40.35	19.9	41.6	21.8	41.5
B99	Fld Bnd 10.06 deg. Right Turn MCSD: 40.42		17909.54	1931+29		16.6	0.617		40.42	22.6	40.9	18.3	40.2

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B100	Fld Bnd 8.41 deg. Right Turn MCSD: 40.40		18078.32	1932+98		10.2	0.617		40.40	18.2	40.9	22.7	31.4
B101	Fld Bnd 9.07 deg. Right Turn MCSD: 40.09		18276.04	1934+95		7.4	0.617		40.09	19.6	40.8	21.1	41.5
B102	Fld Bnd 9.87 deg. Right Turn MCSD: 40.36		18319.26	1935+39		8.9	0.617		40.36	22.1	41.5	19.4	40.8
B103	Fld Bnd 11.35 deg. Left Turn MCSD: 40.32		18470.43	1936+90		8.9	0.617		40.32	21.8	41.8	20.0	41.4
B104	Fld Bnd 9.46 deg. Left Turn MCSD: 40.44		18572.82	1937+92		2.8	0.617		40.44	21.0	41.8	20.8	42.0
B105	Fld Bnd 8.1 deg. Left Turn MCSD: 40.46		18614.72	1938+34		6.0	0.617		40.46	21.1	42.0	20.9	39.7
B106	Bend 46.9 deg. 3.0 Ds Up & Right Turn MCSD: 39.51	Before u/s w.: 0.3%(0.136) MCSD: 40.7 ID:40.8 mph:17.2 Clk:3 to 9 After d/s w. : 1.8%(0.735) MCSD: 40.0 ID:40.8 mph:19.3 Clk:2 to 8 MPH coming into Bend (-10ft): 17.7 Leaving Bend (+10ft): 19.0 Min MPH over range: 13.1 at index 2982597	19355.09	1945+74		19.0	0.617		39.51	4.9	9.9	4.9	9.1
B107	Bend 52.1 deg. 3.0 Ds Up Turn MCSD: 38.21	Before u/s w.: 1.9%(0.816) MCSD: 40.07 ID:40.8 mph:30.5 Clk:1 to 7 After d/s w. : 1.9%(0.816) MCSD: 40.0 ID:40.8 mph:34.8 Clk:6 to 12 MPH coming into Bend (-10ft): 31.2 Leaving Bend (+10ft): 35.1 Min MPH over range: 26.3 at index 2997902	19486.47	1947+06		33.3	0.617		38.21	5.1	10.1	5.1	2.2
B108	Fld Bnd 6.48 deg. Left & Up Turn MCSD: 40.19		19615.97	1948+35		44.4	0.617		40.19	19.1	39.2	20.1	37.3
B109	Bend 36.0 deg. 3.0 Ds Left & Up Turn MCSD: 35.79	Before u/s w.: 1.6%(0.685) MCSD: 40.2 ID:40.8 mph:36.9 Clk:0 to 6 After d/s w. : 1.0%(0.430) MCSD: 40.0 ID:40.8 mph:38.9 Clk:3 to 9 MPH coming into Bend (-10ft): 38.8 Leaving Bend (+10ft): 37.6 Min MPH over range: 32.1 at index 3041102	19830.52	1950+50		33.3	0.617		35.79	3.4	6.9	3.4	4.9
B110	Fld Bnd 5.91 deg. Left Turn MCSD: 40.40		20193.43	1954+13		33.3	0.617		40.40	25.6	41.1	15.5	20.9
B111	Fld Bnd 9.7 deg. Right Turn MCSD: 40.01		20508.13	1957+27		8.9	0.617		40.01	19.7	38.0	18.2	39.9
B112	Bend 30.4 deg. 3.0 Ds Right Turn MCSD: 40.01	Before u/s w.: 1.0%(0.416) MCSD: 40.5 ID:40.8 mph:6.1 Clk:1 to 7 After d/s w. : 0.4%(0.156) MCSD: 40.7 ID:40.8 mph:4.6 Clk:6 to 12 MPH coming into Bend (-10ft): 6.6 Leaving Bend (+10ft): 3.7 Min MPH over range: 3.3 at index 3153479	20767.13	1959+86		5.3	0.617		40.01	3.5	7.1	3.5	2.6
B113	Bend 20.5 deg. 3.0 Ds Left Turn MCSD: 39.87	Before u/s w.: 0.3%(0.115) MCSD: 40.8 ID:40.8 mph:16.6 Clk:6 to 12 After d/s w. : 0.4%(0.162) MCSD: 40.6 ID:40.8 mph:14.1 Clk:3 to 9 MPH coming into Bend (-10ft): 16.2 Leaving Bend (+10ft): 15.9 Min MPH over range: 13.9 at index 3171536	20923.54	1961+43		19.0	0.617		39.87	2.2	4.4	2.2	2.6

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B114	Bend 22.5 deg. 3.0 Ds Left & Up Turn MCSD: 39.61	Before u/s w.: 1.2%(0.503) MCSD: 40.4 ID:40.8 mph:18.1 Clk:5 to 11 After d/s w. : 0.9%(0.366) MCSD: 40.4 ID:40.8 mph:14.1 Clk:1 to 7 MPH coming into Bend (-10ft): 18.2 Leaving Bend (+10ft): 15.6 Min MPH over range: 13.8 at index 3175924	20959.92	1961+79		19.0	0.617		39.61	2.3	4.5	2.2	2.8
B115	Fld Bnd 12.18 deg. Right Turn MCSD: 40.48		21391.09	1966+10		8.9	0.617		40.48	20.9	39.8	18.9	39.7
B116	Fld Bnd 9.18 deg. Left Turn MCSD: 40.24		21913.89	1971+33		8.3	0.617		40.24	21.6	40.1	18.4	13.0
B117	Fld Bnd 9.48 deg. Left Turn MCSD: 40.47		21964.04	1971+83		12.1	0.617		40.47	18.7	40.2	21.5	28.5
B118	Fld Bnd 13.05 deg. Right & Down Turn MCSD: 39.66		22633.00	1978+52		13.3	0.617		39.66	17.7	39.7	22.0	18.8
B119	Fld Bnd 6.94 deg. Left Turn MCSD: 40.47		22836.01	1980+55		33.3	0.617		40.47	21.7	39.9	18.2	5.0
B120	Fld Bnd 6.61 deg. Left Turn MCSD: 40.02		22899.29	1981+19		44.4	0.617		40.02	24.1	40.2	16.1	39.6
B121	Fld Bnd 9.43 deg. Up & Right Turn MCSD: 40.35		23124.04	1983+43		33.3	0.617		40.35	21.9	38.6	16.7	12.0
B122	Fld Bnd 6.3 deg. Down & Left Turn MCSD: 40.47		23770.98	1989+90		13.3	0.617		40.47	16.7	40.3	23.5	9.1
B123	Bend 44.5 deg. 3.0 Ds Left & Up Turn MCSD: 39.93	Before u/s w.: 0.5%(0.218) MCSD: 40.6 ID:40.8 mph:16.1 Clk:4 to 10 After d/s w. : 0.7%(0.308) MCSD: 40.3 ID:40.8 mph:15.2 Clk:5 to 11 MPH coming into Bend (-10ft): 14.7 Leaving Bend (+10ft): 17.4 Min MPH over range: 13.3 at index 3517056	23799.06	1990+18		19.0	0.617		39.93	4.5	9.1	4.5	2.5
B124	Fld Bnd 8.35 deg. Down & Left Turn MCSD: 40.35		23831.04	1990+50		16.6	0.617		40.35	25.0	40.1	15.1	39.9
B125	Fld Bnd 12.22 deg. Left & Up Turn MCSD: 39.58		24021.43	1992+41		19.0	0.617		39.58	22.6	40.2	17.6	39.8
B126	Fld Bnd 5.38 deg. Left & Up Turn MCSD: 40.36		24065.45	1992+85		16.6	0.617		40.36	26.4	39.8	13.4	22.8
B127	Fld Bnd 10.22 deg. Right Turn MCSD: 40.41		24450.88	1996+70		7.0	0.617		40.41	20.6	39.6	19.1	39.9
B128	Fld Bnd 9.96 deg. Right Turn MCSD: 40.13		24489.94	1997+09		9.5	0.617		40.13	20.0	39.9	19.9	39.7
B129	Fld Bnd 9.52 deg. Right Turn MCSD: 40.33		24531.32	1997+51		11.1	0.617		40.33	21.5	39.7	18.2	23.5
B130	Bend 44.2 deg. 3.0 Ds Left Turn MCSD: 40.13	Before u/s w.: 0.4%(0.178) MCSD: 40.7 ID:40.8 mph:7.0 Clk:4 to 10 After d/s w. : 0.5%(0.194) MCSD: 40.7 ID:40.8 mph:6.8 Clk:4 to 10 MPH coming into Bend (-10ft): 7.8 Leaving Bend (+10ft): 6.8 Min MPH over range: 5.9 at index 3659917	25001.25	2002+21		6.7	0.617		40.13	4.6	9.2	4.6	2.6
B131	Fld Bnd 8.95 deg. Left Turn MCSD: 40.47		25299.12	2005+18		5.1	0.617		40.47	22.1	40.2	18.1	40.0

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B132	Bend 43.0 deg. 3.0 Ds Up & Right Turn MCSD: 40.17	Before u/s w.: 0.6%(0.259) MCSD: 40.6 ID:40.8 mph:11.2 Clk:5 to 11 After d/s w. : 0.6%(0.269) MCSD: 40.5 ID:40.8 mph:12.9 Clk:4 to 10 MPH coming into Bend (-10ft): 11.7 Leaving Bend (+10ft): 13.4 Min MPH over range: 9.3 at index 3736987	25642.23	2008+62		12.1	0.617		40.17	4.4	9.1	4.7	5.1
B133	Bend 34.1 deg. 3.0 Ds Up & Right Turn MCSD: 39.77	Before u/s w.: 1.0%(0.412) MCSD: 40.4 ID:40.8 mph:15.4 Clk:1 to 7 After d/s w. : 1.4%(0.584) MCSD: 40.1 ID:40.8 mph:17.5 Clk:6 to 12 MPH coming into Bend (-10ft): 16.0 Leaving Bend (+10ft): 17.6 Min MPH over range: 14.4 at index 3743488	25698.29	2009+18		19.0	0.617		39.77	3.5	7.3	3.8	2.5
B134	Fld Bnd 8.85 deg. Down Turn MCSD: 40.41		25829.65	2010+49		19.0	0.617		40.41	20.4	39.8	19.3	39.9
B135	Fld Bnd 5.88 deg. Up Turn MCSD: 40.43		25910.16	2011+29		26.6	0.617		40.43	21.3	39.2	17.9	39.9
B136	Fld Bnd 3.28 deg. Down Turn MCSD: 40.42		26053.86	2012+73		22.2	0.617		40.42	27.6	42.5	14.9	43.0
B137	Fld Bnd 3.86 deg. Down Turn MCSD: 40.45		26089.92	2013+09		22.2	0.617		40.45	21.2	43.0	21.8	42.6
B138	Fld Bnd 6.85 deg. Down Turn MCSD: 40.49		26136.12	2013+55		22.2	0.617		40.49	24.3	42.6	18.3	41.5
B139	Fld Bnd 11.9 deg. Left Turn MCSD: 39.93		26279.36	2014+99		19.0	0.617		39.93	22.4	40.1	17.7	39.8
B140	Bend 35.3 deg. 3.0 Ds Left & Up Turn MCSD: 39.64	Before u/s w.: 1.9%(0.779) MCSD: 40.2 ID:40.8 mph:3.6 Clk:2 to 8 After d/s w. : 1.5%(0.634) MCSD: 40.0 ID:40.5 mph:0.4 Clk:2 to 8 MPH coming into Bend (-10ft): 2.3 Leaving Bend (+10ft): 1.9 Min MPH over range: 0.0 at index 3874447	26781.15	2020+00		3.3	0.617		39.64	3.6	7.2	3.6	5.1
B141	Bend 15.7 deg. 3.0 Ds Down Turn MCSD: 39.63	Before u/s w.: 0.9%(0.388) MCSD: 40.3 ID:40.5 mph:5.6 Clk:5 to 11 After d/s w. : 0.8%(0.319) MCSD: 40.3 ID:40.5 mph:9.5 Clk:6 to 12 MPH coming into Bend (-10ft): 3.4 Leaving Bend (+10ft): 9.5 Min MPH over range: 2.9 at index 3878009	26823.30	2020+43		8.9	0.740		39.63	1.6	3.1	1.5	2.7
B142	Bend 12.6 deg. 3.0 Ds Up Turn MCSD: 40.21	Before u/s w.: 0.4%(0.181) MCSD: 40.7 ID:40.8 mph:10.5 Clk:2 to 8 After d/s w. : 0.4%(0.175) MCSD: 40.7 ID:40.8 mph:5.7 Clk:3 to 9 MPH coming into Bend (-10ft): 10.8 Leaving Bend (+10ft): 6.7 Min MPH over range: 5.3 at index 3894018	26943.54	2021+63		7.8	0.617		40.21	1.6	3.2	1.6	2.6

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B143	Bend 12.3 deg. 3.0 Ds Down Turn MCSD: 39.54	Before u/s w.: 1.9%(0.816) MCSD: 40.0 ID:40.8 mph:10.2 Clk:3 to 9 After d/s w. : 1.9%(0.816) MCSD: 40.0 ID:40.8 mph:11.1 Clk:4 to 10 MPH coming into Bend (-10ft): 10.0 Leaving Bend (+10ft): 12.8 Min MPH over range: 9.0 at index 3935979	27294.48	2025+14		13.3	0.617		39.54	1.5	2.9	1.5	5.3
B144	Bend 22.8 deg. 3.0 Ds Up Turn MCSD: 40.04	Before u/s w.: 0.9%(0.383) MCSD: 40.5 ID:40.8 mph:9.9 Clk:2 to 8 After d/s w. : 0.8%(0.338) MCSD: 40.5 ID:40.8 mph:7.4 Clk:2 to 8 MPH coming into Bend (-10ft): 10.7 Leaving Bend (+10ft): 4.5 Min MPH over range: 4.4 at index 3941506	27333.65	2025+53		8.9	0.617		40.04	2.2	4.4	2.2	5.0
B145	Fld Bnd 9.48 deg. Right Turn MCSD: 40.21		27527.82	2027+47		19.0	0.617		40.21	23.4	39.6	16.2	40.9
B146	Bend 53.4 deg. 3.0 Ds Right Turn MCSD: 39.46	Before u/s w.: 0.3%(0.139) MCSD: 40.7 ID:40.8 mph:15.9 Clk:4 to 10 After d/s w. : 1.0%(0.408) MCSD: 40.3 ID:40.8 mph:20.0 Clk:2 to 8 MPH coming into Bend (-10ft): 15.8 Leaving Bend (+10ft): 17.6 Min MPH over range: 13.8 at index 4034113	28118.97	2033+38		19.0	0.617		39.46	5.2	10.3	5.1	4.8
B147	Fld Bnd 12.75 deg. Right Turn MCSD: 40.35		28147.29	2033+67		19.0	0.617		40.35	18.3	38.2	19.9	39.6
B148	Fld Bnd 12.11 deg. Left Turn MCSD: 40.22		28626.92	2038+46		26.6	0.617		40.22	22.2	43.3	21.1	40.7
B149	Fld Bnd 7.99 deg. Left Turn MCSD: 40.30		28667.44	2038+87		33.3	0.617		40.30	19.4	40.7	21.3	43.1
B150	Fld Bnd 5.24 deg. Left & Up Turn MCSD: 40.10		28707.64	2039+27		33.3	0.617		40.10	18.9	43.1	24.1	38.9
B151	Fld Bnd 7.54 deg. Left & Up Turn MCSD: 40.49		28753.71	2039+73		26.6	0.617		40.49	21.9	38.9	16.9	41.1
B152	Fld Bnd 11.7 deg. Left Turn MCSD: 40.38		29351.83	2045+71		22.2	0.617		40.38	20.7	41.5	20.7	40.4
B153	Fld Bnd 11.15 deg. Left Turn MCSD: 40.29		29393.41	2046+13		19.0	0.617		40.29	20.8	40.4	19.5	42.3
B154	Bend 52.6 deg. 3.0 Ds Right Turn MCSD: 39.53	Before u/s w.: 0.7%(0.300) MCSD: 40.5 ID:40.8 mph:18.2 Clk:5 to 11 After d/s w. : 0.5%(0.218) MCSD: 40.5 ID:40.8 mph:19.9 Clk:4 to 10 MPH coming into Bend (-10ft): 18.4 Leaving Bend (+10ft): 20.2 Min MPH over range: 15.1 at index 4211907	29599.34	2048+19		19.0	0.617		39.53	4.5	9.2	4.7	11.6
B155	Fld Bnd 11.81 deg. Right Turn MCSD: 39.98		29669.27	2048+89		22.2	0.617		39.98	21.1	39.4	18.3	39.0
B156	Fld Bnd 7.93 deg. Right Turn MCSD: 40.28		29953.38	2051+73		26.6	0.617		40.28	20.6	40.7	20.0	41.2
B157	Fld Bnd 8.9 deg. Right Turn MCSD: 40.11		29993.68	2052+13		26.6	0.617		40.11	20.3	41.2	21.0	41.8

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B158	Bend 49.1 deg. 3.0 Ds Left & Up Turn MCSD: 40.22	Before u/s w.: 0.6%(0.270) MCSD: 40.6 ID:40.8 mph:11.9 Clk:1 to 7 After d/s w. : 0.6%(0.266) MCSD: 40.5 ID:40.8 mph:14.4 Clk:0 to 6 MPH coming into Bend (-10ft): 11.2 Leaving Bend (+10ft): 13.5 Min MPH over range: 9.8 at index 4341351	30682.26	2059+02		13.3	0.617		40.22	5.2	10.4	5.3	4.9
B159	Fld Bnd 7.68 deg. Right Turn MCSD: 40.16		31065.47	2062+85		8.9	0.617		40.16	21.6	41.4	19.8	41.9
B160	Fld Bnd 7.68 deg. Right Turn MCSD: 40.37		31104.10	2063+23		8.9	0.617		40.37	18.8	41.9	23.1	41.9
B161	Bend 48.4 deg. 3.0 Ds Left Turn MCSD: 39.85	Before u/s w.: 0.7%(0.291) MCSD: 40.7 ID:40.8 mph:15.6 Clk:5 to 11 After d/s w. : 0.5%(0.194) MCSD: 40.6 ID:40.8 mph:19.0 Clk:1 to 7 MPH coming into Bend (-10ft): 14.1 Leaving Bend (+10ft): 17.4 Min MPH over range: 13.7 at index 4541390	32350.39	2075+70		19.0	0.617		39.85	4.4	9.0	4.6	36.8
B162	Bend 33.0 deg. 3.0 Ds Left Turn MCSD: 37.59	Before u/s w.: 1.0%(0.430) MCSD: 40.3 ID:40.8 mph:30.0 Clk:0 to 6 After d/s w. : 1.0%(0.407) MCSD: 40.3 ID:40.8 mph:31.9 Clk:2 to 8 MPH coming into Bend (-10ft): 28.9 Leaving Bend (+10ft): 30.7 Min MPH over range: 27.5 at index 4552073	32441.15	2076+60		33.3	0.617		37.59	3.2	6.3	3.2	33.9
B163	Fld Bnd 11.87 deg. Right Turn MCSD: 40.37		33096.53	2083+16		19.0	0.617		40.37	21.0	41.7	20.8	42.4
B164	Fld Bnd 11.98 deg. Right Turn MCSD: 40.25		33138.71	2083+58		19.0	0.617		40.25	21.4	42.4	21.0	7.0
B165	Bend 25.17 deg. 3.0 Ds Up & Right Turn MCSD: 38.59	Before u/s w.: 0.9%(0.365) MCSD: 40.4 ID:40.8 mph:23.7 Clk:3 to 9 After d/s w. : 1.8%(0.743) MCSD: 40.0 ID:40.8 mph:26.0 Clk:6 to 12 MPH coming into Bend (-10ft): 23.3 Leaving Bend (+10ft): 24.8 Min MPH over range: 14.5 at index 4641249	33174.46	2083+94		26.6	0.617		38.59	2.5	4.9	2.5	14.2
B166	Fld Bnd 9.79 deg. Left Turn MCSD: 40.23		33558.55	2087+78		22.2	0.617		40.23	20.2	41.4	21.2	41.2
B167	Fld Bnd 9.93 deg. Left Turn MCSD: 40.32		33600.11	2088+19		26.6	0.617		40.32	20.3	41.2	20.9	42.4
B168	Fld Bnd 10.59 deg. Left Turn MCSD: 40.29		33640.77	2088+60		26.6	0.617		40.29	19.8	42.4	22.7	22.3
B169	Fld Bnd 7.51 deg. Left & Up Turn MCSD: 40.37		33710.65	2089+30		22.2	0.617		40.37	24.9	41.9	17.0	33.5
B170	Bend 23.4 deg. 3.0 Ds Left Turn MCSD: 39.59	Before u/s w.: 0.5%(0.192) MCSD: 40.7 ID:40.8 mph:23.7 Clk:5 to 11 After d/s w. : 1.5%(0.613) MCSD: 40.1 ID:40.8 mph:20.8 Clk:5 to 11 MPH coming into Bend (-10ft): 23.6 Leaving Bend (+10ft): 22.8 Min MPH over range: 19.7 at index 4712545	33763.61	2089+83		22.2	0.617		39.59	2.5	5.0	2.5	4.4
B171	Fld Bnd 6.08 deg. Left & Up Turn MCSD: 40.23		33901.61	2091+21		22.2	0.617		40.23	16.8	42.3	25.5	42.2

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B172	Fld Bnd 3.13 deg. Up Turn MCSD: 40.53		34242.08	2094+61		16.6	0.617		40.53	21.3	43.5	22.1	42.6
B173	Fld Bnd 12.1 deg. Left Turn MCSD: 40.45		34409.26	2096+29		12.1	0.617		40.45	19.9	42.6	22.7	41.4
B174	Fld Bnd 8.98 deg. Down & Left Turn MCSD: 40.19		34590.05	2098+09		8.9	0.617		40.19	27.5	42.9	15.4	10.5
B175	Bend 19.5 deg. 3.0 Ds Left & Up Turn MCSD: 39.90	Before u/s w.: 0.9%(0.397) MCSD: 40.5 ID:40.8 mph:12.9 Clk:3 to 9 After d/s w. : 1.2%(0.510) MCSD: 40.3 ID:40.8 mph:12.9 Clk:3 to 9 MPH coming into Bend (-10ft): 11.7 Leaving Bend (+10ft): 12.4 Min MPH over range: 11.3 at index 4813750	34618.03	2098+37		13.3	0.617		39.90	2.0	4.2	2.1	5.0
B176	Bend 33.5 deg. 3.0 Ds Up & Right Turn MCSD: 40.09	Before u/s w.: 0.6%(0.243) MCSD: 40.6 ID:40.8 mph:16.7 Clk:1 to 7 After d/s w. : 0.4%(0.165) MCSD: 40.5 ID:40.8 mph:16.8 Clk:5 to 11 MPH coming into Bend (-10ft): 16.6 Leaving Bend (+10ft): 16.5 Min MPH over range: 12.6 at index 4842467	34852.66	2100+72		19.0	0.617		40.09	3.6	7.2	3.6	5.0
B177	Bend 58.8 deg. 3.0 Ds Right Turn MCSD: 39.65	Before u/s w.: 0.3%(0.121) MCSD: 40.7 ID:40.8 mph:17.7 Clk:6 to 12 After d/s w. : 0.4%(0.184) MCSD: 40.5 ID:40.8 mph:19.1 Clk:2 to 8 MPH coming into Bend (-10ft): 18.6 Leaving Bend (+10ft): 16.5 Min MPH over range: 15.2 at index 4855564	34964.61	2101+84		19.0	0.617		39.65	5.7	11.3	5.7	4.8
B178	Fld Bnd 9.01 deg. Right & Down Turn MCSD: 40.16		35028.99	2102+48		22.2	0.617		40.16	19.8	41.2	21.4	42.4
B179	Fld Bnd 5.32 deg. Right Turn MCSD: 40.24		35079.91	2102+99		22.2	0.617		40.24	29.5	42.4	12.9	41.6
B180	Fld Bnd 6.42 deg. Right Turn MCSD: 40.45		35488.26	2107+08		19.0	0.617		40.45	23.1	40.4	17.3	41.7
B181	Bend 46.8 deg. 3.0 Ds Left Turn MCSD: 39.75	Before u/s w.: 1.0%(0.433) MCSD: 40.4 ID:40.8 mph:17.4 Clk:1 to 7 After d/s w. : 0.2%(0.078) MCSD: 40.6 ID:40.8 mph:21.3 Clk:4 to 10 MPH coming into Bend (-10ft): 15.9 Leaving Bend (+10ft): 20.7 Min MPH over range: 15.9 at index 4987207	36065.44	2112+85		22.2	0.617		39.75	4.6	9.2	4.6	2.3
B182	Fld Bnd 8.86 deg. Down & Left Turn MCSD: 40.36		36094.91	2113+14		22.2	0.617		40.36	22.6	42.2	19.6	41.4
B183	Fld Bnd 6.95 deg. Left & Up Turn MCSD: 40.43		36177.16	2113+96		26.6	0.617		40.43	21.2	40.8	19.6	41.4
B184	Bend 14.6 deg. 3.0 Ds Left & Up Turn MCSD: 39.74	Before u/s w.: 0.7%(0.294) MCSD: 40.1 ID:40.8 mph:21.1 Clk:2 to 8 After d/s w. : 0.5%(0.218) MCSD: 40.6 ID:40.8 mph:17.6 Clk:2 to 8 MPH coming into Bend (-10ft): 21.3 Leaving Bend (+10ft): 19.2 Min MPH over range: 16.9 at index 5027777	36390.66	2116+10		16.6	0.617		39.74	1.5	2.9	1.4	5.0

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B185	Bend 51.4 deg. 3.0 Ds Up & Right Turn MCSD: 40.09	Before u/s w.: 0.7%(0.288) MCSD: 40.6 ID:40.8 mph:12.0 Clk:5 to 11 After d/s w. : 0.8%(0.315) MCSD: 40.4 ID:40.8 mph:13.6 Clk:4 to 10 MPH coming into Bend (-10ft): 12.7 Leaving Bend (+10ft): 12.0 Min MPH over range: 9.4 at index 5056822	36641.25	2118+61		13.3	0.617		40.09	5.1	10.1	5.0	4.2
B186	Bend 50.9 deg. 3.0 Ds Left Turn MCSD: 40.23	Before u/s w.: 0.8%(0.328) MCSD: 40.6 ID:40.8 mph:2.1 Clk:5 to 11 After d/s w. : 0.7%(0.281) MCSD: 40.6 ID:40.8 mph:2.1 Clk:5 to 11 MPH coming into Bend (-10ft): 2.5 Leaving Bend (+10ft): 1.5 Min MPH over range: 1.5 at index 5111401	37083.86	2123+03		2.3	0.617		40.23	5.3	10.7	5.4	5.1
B187	Fld Bnd 13.8 deg. Down Turn MCSD: 39.86		37178.11	2123+97		11.1	0.617		39.86	22.6	42.4	19.7	38.0
B188	Bend 44.8 deg. 3.0 Ds Left Turn MCSD: 39.33	Before u/s w.: 0.4%(0.185) MCSD: 40.7 ID:40.8 mph:26.1 Clk:5 to 11 After d/s w. : 0.7%(0.303) MCSD: 40.4 ID:40.8 mph:28.9 Clk:0 to 6 MPH coming into Bend (-10ft): 23.2 Leaving Bend (+10ft): 25.5 Min MPH over range: 23.2 at index 5143087	37366.23	2125+86		26.6	0.617		39.33	4.4	9.1	4.7	5.3
B189	Fld Bnd 6.18 deg. Down Turn MCSD: 40.43		37397.82	2126+17		26.6	0.617		40.43	21.6	42.0	20.4	41.1
B190	Bend 32.7 deg. 3.0 Ds Up & Right Turn MCSD: 39.39	Before u/s w.: 0.5%(0.227) MCSD: 40.6 ID:40.8 mph:22.2 Clk:4 to 10 After d/s w. : 0.5%(0.211) MCSD: 40.5 ID:40.8 mph:20.3 Clk:2 to 8 MPH coming into Bend (-10ft): 21.6 Leaving Bend (+10ft): 19.7 Min MPH over range: 14.6 at index 5209014	37907.87	2131+27		26.6	0.617		39.39	3.5	7.1	3.6	4.8
B191	Fld Bnd 5.04 deg. Right Turn MCSD: 40.27		37931.51	2131+51		22.2	0.617		40.27	15.3	25.7	10.4	41.3
B192	Fld Bnd 9.48 deg. Right Turn MCSD: 40.32		38417.68	2136+37		13.3	0.617		40.32	23.7	42.8	19.1	41.3
B193	Fld Bnd 12.9 deg. Right Turn MCSD: 40.10		38459.12	2136+78		16.6	0.617		40.10	22.3	41.3	19.0	42.8
B194	Fld Bnd 13.13 deg. Right Turn MCSD: 40.23		38543.48	2137+63		13.3	0.617		40.23	22.6	42.1	19.6	41.0
B195	Fld Bnd 11.04 deg. Right Turn MCSD: 40.25		38703.11	2139+22		19.0	0.617		40.25	16.8	36.3	19.5	42.1
B196	Fld Bnd 5.02 deg. Right & Down Turn MCSD: 40.44		38748.74	2139+68		19.0	0.617		40.44	26.1	42.1	16.0	41.4
B197	Fld Bnd 6.78 deg. Left & Up Turn MCSD: 40.61		39036.53	2142+56		14.8	0.617		40.61	20.8	41.6	20.8	43.2
B198	Fld Bnd 6.76 deg. Left & Up Turn MCSD: 40.35		39078.33	2142+98		13.3	0.617		40.35	21.0	43.2	22.3	41.2
B199	Fld Bnd 6.32 deg. Left & Up Turn MCSD: 40.43		39122.65	2143+42		10.2	0.617		40.43	22.1	41.2	19.1	43.0

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B200	Bend 65.8 deg. 3.0 Ds Left Turn MCSD: 39.70	Before u/s w.: 0.5%(0.206) MCSD: 40.7 ID:40.8 mph:15.2 Clk:2 to 8 After d/s w. : 0.2%(0.086) MCSD: 40.6 ID:40.8 mph:18.7 Clk:4 to 10 MPH coming into Bend (-10ft): 15.1 Leaving Bend (+10ft): 15.6 Min MPH over range: 11.7 at index 5394602	39460.77	2146+80		16.6	0.617		39.70	6.7	13.3	6.6	4.8
B201	Fld Bnd 5.44 deg. Left & Up Turn MCSD: 40.50		39859.11	2150+78		22.2	0.617		40.50	25.6	41.9	16.3	39.8
B202	Fld Bnd 8.63 deg. Right Turn MCSD: 40.23		40104.42	2153+24		19.0	0.617		40.23	22.4	41.2	18.8	40.0
B203	Fld Bnd 6.29 deg. Right Turn MCSD: 40.46		40187.64	2154+07		16.6	0.617		40.46	24.4	41.0	16.6	41.1
B204	Bend 43.9 deg. 3.0 Ds Up & Right Turn MCSD: 40.02	Before u/s w.: 0.9%(0.358) MCSD: 40.6 ID:40.8 mph:14.8 Clk:1 to 7 After d/s w. : 0.8%(0.336) MCSD: 40.5 ID:40.8 mph:13.0 Clk:5 to 11 MPH coming into Bend (-10ft): 15.2 Leaving Bend (+10ft): 14.5 Min MPH over range: 11.1 at index 5507739	40398.69	2156+18		13.3	0.617		40.02	4.6	9.1	4.5	4.9
B205	Fld Bnd 10.72 deg. Left Turn MCSD: 40.54		41167.16	2163+86		6.7	0.617		40.54	20.9	40.3	19.4	40.3
B206	Fld Bnd 11.43 deg. Left Turn MCSD: 40.31		41207.96	2164+27		7.0	0.617		40.31	21.4	40.3	18.9	18.8
B207	Fld Bnd 12.41 deg. Left Turn MCSD: 40.29		41457.92	2166+77		6.0	0.617		40.29	21.9	40.4	18.6	40.3
B208	Fld Bnd 12.77 deg. Left Turn MCSD: 40.26		41497.41	2167+17		9.5	0.617		40.26	20.9	40.3	19.4	14.4
B209	Bend 60.3 deg. 3.0 Ds Up & Right Turn MCSD: 39.42	Before u/s w.: 0.4%(0.184) MCSD: 40.7 ID:40.8 mph:17.2 Clk:1 to 7 After d/s w. : 0.5%(0.201) MCSD: 40.4 ID:40.8 mph:19.8 Clk:1 to 7 MPH coming into Bend (-10ft): 17.2 Leaving Bend (+10ft): 21.2 Min MPH over range: 15.4 at index 5675103	41797.40	2170+17		22.2	0.617		39.42	5.9	11.9	6.0	5.2
B210	Fld Bnd 11.21 deg. Left Turn MCSD: 40.20		42574.20	2177+93		7.4	0.617		40.20	23.3	42.8	19.5	40.3
B211	Fld Bnd 11.75 deg. Left Turn MCSD: 40.40		42615.84	2178+35		12.1	0.617		40.40	22.2	40.3	18.1	42.9
B212	Bend 53.9 deg. 3.0 Ds Right Turn MCSD: 39.36	Before u/s w.: 0.7%(0.297) MCSD: 40.6 ID:40.8 mph:19.8 Clk:2 to 8 After d/s w. : 0.4%(0.148) MCSD: 40.5 ID:40.8 mph:21.5 Clk:2 to 8 MPH coming into Bend (-10ft): 20.6 Leaving Bend (+10ft): 21.6 Min MPH over range: 17.9 at index 5807595	42900.93	2181+20		26.6	0.617		39.36	5.3	10.4	5.1	4.9
B213	Fld Bnd 8.31 deg. Right & Down Turn MCSD: 40.04		42958.26	2181+78		22.2	0.617		40.04	18.4	42.8	24.4	43.1
B214	Fld Bnd 7.57 deg. Down & Left Turn MCSD: 40.43		43407.86	2186+27		19.0	0.617		40.43	28.2	43.4	15.3	41.0
B215	Fld Bnd 8.61 deg. Left & Up Turn MCSD: 40.35		43523.18	2187+42		16.6	0.617		40.35	19.0	43.3	24.4	20.2
B216	Fld Bnd 5.46 deg. Left Turn MCSD: 40.19		43586.17	2188+05		16.6	0.617		40.19	18.4	41.0	22.5	41.3

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B217	Fld Bnd 12.07 deg. Left Turn MCSD: 40.45		43629.81	2188+49		16.6	0.617		40.45	21.1	41.3	20.3	41.5
B218	Bend 19.2 deg. 3.0 Ds Right Turn MCSD: 40.13	Before u/s w.: 0.8%(0.353) MCSD: 40.5 ID:40.8 mph:14.6 Clk:4 to 10 After d/s w. : 0.6%(0.242) MCSD: 40.6 ID:40.8 mph:12.7 Clk:3 to 9 MPH coming into Bend (-10ft): 14.9 Leaving Bend (+10ft): 12.3 Min MPH over range: 9.9 at index 5923951	43865.38	2190+85		16.6	0.617		40.13	2.2	4.5	2.2	5.0
B219	Bend 13.7 deg. 3.0 Ds Up Turn MCSD: 40.17	Before u/s w.: 0.5%(0.216) MCSD: 40.7 ID:40.8 mph:7.5 Clk:4 to 10 After d/s w. : 0.3%(0.128) MCSD: 40.8 ID:40.8 mph:2.3 Clk:4 to 10 MPH coming into Bend (-10ft): 8.7 Leaving Bend (+10ft): 7.4 Min MPH over range: 0.1 at index 5931935	43926.91	2191+46		0.8	0.617		40.17	1.5	3.1	1.6	5.3
B220	Bend 20.7 deg. 3.0 Ds Right Turn MCSD: 39.80	Before u/s w.: 0.7%(0.312) MCSD: 40.6 ID:40.8 mph:11.2 Clk:1 to 7 After d/s w. : 0.9%(0.361) MCSD: 40.5 ID:40.8 mph:9.1 Clk:6 to 12 MPH coming into Bend (-10ft): 11.3 Leaving Bend (+10ft): 12.1 Min MPH over range: 7.8 at index 5939818	43997.72	2192+17		11.1	0.617		39.80	2.1	4.3	2.2	5.0
B221	Fld Bnd 5.75 deg. Right Turn MCSD: 40.35		44024.72	2192+44		13.3	0.617		40.35	19.8	42.4	22.5	42.3
B222	Fld Bnd 11.55 deg. Right Turn MCSD: 40.39		44983.44	2202+03		14.8	0.617		40.39	21.9	41.4	19.5	26.2
B223	Fld Bnd 11.48 deg. Left & Up Turn MCSD: 40.32		45377.71	2205+97		33.3	0.617		40.32	21.6	42.8	21.2	39.8
B224	Fld Bnd 8.36 deg. Left & Up Turn MCSD: 40.51		45460.93	2206+80		22.2	0.617		40.51	22.2	40.0	17.8	42.1
B225	Fld Bnd 11.26 deg. Left Turn MCSD: 40.23		45893.75	2211+13		16.6	0.617		40.23	22.1	41.5	19.4	42.2
B226	Fld Bnd 13.08 deg. Left Turn MCSD: 40.35		45936.07	2211+55		19.0	0.617		40.35	22.9	42.2	19.3	11.9
B227	Bend 27.76 deg. 3.0 Ds Left & Up Turn MCSD: 39.57	Before u/s w.: 0.6%(0.255) MCSD: 40.6 ID:40.8 mph:20.7 Clk:4 to 10 After d/s w. : 0.4%(0.178) MCSD: 40.6 ID:40.8 mph:19.3 Clk:1 to 7 MPH coming into Bend (-10ft): 19.5 Leaving Bend (+10ft): 20.4 Min MPH over range: 18.6 at index 6176838	45980.58	2212+00		26.6	0.617		39.57	2.9	5.9	3.0	5.2
B228	Fld Bnd 9.53 deg. Right Turn MCSD: 40.10		46120.32	2213+40		22.2	0.617		40.10	19.5	40.9	21.4	39.7
B229	Fld Bnd 8.97 deg. Right Turn MCSD: 40.36		46201.19	2214+20		26.6	0.617		40.36	19.8	40.9	21.2	40.2
B230	Fld Bnd 7.47 deg. Up & Right Turn MCSD: 40.55		46542.16	2217+61		16.6	0.617		40.55	21.6	40.1	18.5	42.8

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B231	Bend 34.0 deg. 3.0 Ds Right Turn MCSD: 40.34	Before u/s w.: 0.6%(0.260) MCSD: 40.6 ID:40.8 mph:10.4 Clk:2 to 8 After d/s w. : 0.5%(0.228) MCSD: 40.6 ID:40.8 mph:10.9 Clk:1 to 7 MPH coming into Bend (-10ft): 10.2 Leaving Bend (+10ft): 12.3 Min MPH over range: 8.2 at index 6261804	46681.47	2219+01		13.3	0.617		40.34	3.5	6.8	3.4	5.0
B232	Bend 54.0 deg. 3.0 Ds Left Turn MCSD: 39.35	Before u/s w.: 0.6%(0.264) MCSD: 40.6 ID:40.8 mph:19.5 Clk:4 to 10 After d/s w. : 0.5%(0.189) MCSD: 40.5 ID:40.8 mph:22.6 Clk:0 to 6 MPH coming into Bend (-10ft): 18.9 Leaving Bend (+10ft): 22.2 Min MPH over range: 16.2 at index 6278437	46808.82	2220+28		22.2	0.617		39.35	5.5	10.8	5.3	4.8
B233	Fld Bnd 7.02 deg. Up & Right Turn MCSD: 40.43		46987.70	2222+07		22.2	0.617		40.43	17.1	42.2	25.1	39.7
B234	Fld Bnd 8.86 deg. Left & Up Turn MCSD: 40.51		47254.12	2224+73		13.3	0.617		40.51	17.5	43.5	26.0	42.5
B235	Fld Bnd 10.26 deg. Left & Up Turn MCSD: 40.59		47358.71	2225+78		6.3	0.617		40.59	20.5	39.9	19.4	41.5
B236	Fld Bnd 10.11 deg. Right Turn MCSD: 40.41		47538.01	2227+57		7.8	0.617		40.41	20.1	41.1	21.0	15.8
B237	Fld Bnd 6.76 deg. Right & Down Turn MCSD: 40.40		47596.16	2228+15		12.1	0.617		40.40	21.3	40.8	19.5	42.9
B238	Fld Bnd 12.43 deg. Right & Down Turn MCSD: 40.39		47722.39	2229+42		19.0	0.617		40.39	22.4	42.6	20.1	24.2
B239	Bend 26.9 deg. 3.0 Ds Up Turn MCSD: 39.47	Before u/s w.: 0.6%(0.269) MCSD: 40.5 ID:40.8 mph:25.2 Clk:1 to 7 After d/s w. : 0.9%(0.384) MCSD: 40.3 ID:40.8 mph:20.6 Clk:4 to 10 MPH coming into Bend (-10ft): 23.2 Leaving Bend (+10ft): 20.1 Min MPH over range: 18.2 at index 6401667	47838.27	2230+58		22.2	0.617		39.47	2.7	5.6	2.8	5.2
B240	Bend 3.3 deg. 3.0 Ds Down Turn MCSD: 38.78	Before u/s w.: 1.9%(0.816) MCSD: 40.0 ID:40.5 mph:16.4 Clk:2 to 8 After d/s w. : 1.9%(0.816) MCSD: 40.0 ID:40.8 mph:19.9 Clk:2 to 8 MPH coming into Bend (-10ft): 20.8 Leaving Bend (+10ft): 20.2 Min MPH over range: 15.7 at index 6403170	47859.06	2230+78		19.0	0.740		38.78	0.8	1.6	0.8	5.1
B241	Bend 28.6 deg. 3.0 Ds Left & Up Turn MCSD: 40.23	Before u/s w.: 0.5%(0.217) MCSD: 40.6 ID:40.8 mph:13.8 Clk:4 to 10 After d/s w. : 1.1%(0.449) MCSD: 40.4 ID:40.8 mph:15.0 Clk:5 to 11 MPH coming into Bend (-10ft): 12.0 Leaving Bend (+10ft): 13.8 Min MPH over range: 11.4 at index 6449716	48249.97	2234+69		14.8	0.617		40.23	3.0	5.9	2.9	12.5

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B242	Bend 59.9 deg. 3.0 Ds Right Turn MCSD: 39.56	Before u/s w.: 0.5%(0.220) MCSD: 40.7 ID:40.8 mph:20.7 Clk:6 to 12 After d/s w. : 0.5%(0.228) MCSD: 40.5 ID:40.8 mph:22.7 Clk:5 to 11 MPH coming into Bend (-10ft): 21.6 Leaving Bend (+10ft): 20.0 Min MPH over range: 16.4 at index 6486861	48561.84	2237+81		22.2	0.617		39.56	5.8	11.6	5.8	11.8
B243	Fld Bnd 11.33 deg. Down Turn MCSD: 39.76		48602.31	2238+22		22.2	0.617		39.76	22.8	41.4	18.5	40.6
B244	Fld Bnd 4.94 deg. Down Turn MCSD: 40.35		48646.22	2238+66		26.6	0.617		40.35	25.4	40.6	15.2	20.0
B245	Fld Bnd 3.0 deg. Up Turn MCSD: 39.75		48704.95	2239+24		26.6	0.617		39.75	23.5	39.8	16.4	42.7
B246	Fld Bnd 13.27 deg. Up Turn MCSD: 39.89		48744.81	2239+64		26.6	0.617		39.89	23.5	42.7	19.2	10.1
B247	Fld Bnd 11.41 deg. Right & Down Turn MCSD: 39.57		48796.60	2240+16		22.2	0.617		39.57	22.4	41.8	19.4	41.2
B248	Fld Bnd 5.28 deg. Left & Up Turn MCSD: 39.99		48873.63	2240+93		22.2	0.617		39.99	16.4	43.4	27.0	41.1
B249	Fld Bnd 5.84 deg. Left & Up Turn MCSD: 40.40		48995.68	2242+15		19.0	0.617		40.40	18.8	41.6	22.8	41.4
B250	Fld Bnd 7.19 deg. Left & Up Turn MCSD: 40.01		49103.79	2243+23		14.8	0.617		40.01	21.0	43.0	22.0	41.3
B251	Fld Bnd 6.18 deg. Left & Up Turn MCSD: 40.14		49202.76	2244+22		0.1	0.617		40.14	17.3	42.1	24.7	21.7
B252	Bend 21.2 deg. 3.0 Ds Left Turn MCSD: 39.77	Before u/s w.: 1.0%(0.438) MCSD: 40.4 ID:40.8 mph:14.3 Clk:3 to 9 After d/s w. : 1.4%(0.587) MCSD: 40.3 ID:40.8 mph:13.5 Clk:3 to 9 MPH coming into Bend (-10ft): 13.2 Leaving Bend (+10ft): 14.3 Min MPH over range: 11.8 at index 6575858	49303.33	2245+23		16.6	0.617		39.77	2.3	4.6	2.3	10.1
B253	Fld Bnd 12.62 deg. Left Turn MCSD: 40.25		49377.71	2245+97		22.2	0.617		40.25	22.1	42.9	20.8	19.6
B254	Fld Bnd 9.81 deg. Left & Up Turn MCSD: 39.73		49544.81	2247+64		33.3	0.617		39.73	22.7	43.3	20.7	40.6
B255	Fld Bnd 10.52 deg. Left & Up Turn MCSD: 40.13		49626.43	2248+46		33.3	0.617		40.13	20.3	41.1	20.8	20.0
B256	Bend 71.7 deg. 3.0 Ds Right Turn MCSD: 39.95	Before u/s w.: 0.6%(0.244) MCSD: 40.7 ID:40.8 mph:12.7 Clk:2 to 8 After d/s w. : 0.4%(0.166) MCSD: 40.6 ID:40.8 mph:15.4 Clk:3 to 9 MPH coming into Bend (-10ft): 13.2 Leaving Bend (+10ft): 15.4 Min MPH over range: 9.8 at index 6663331	50031.24	2252+51		14.8	0.617		39.95	7.5	15.0	7.4	4.6
B257	Fld Bnd 10.31 deg. Right Turn MCSD: 40.42		50195.42	2254+15		26.6	0.617		40.42	26.3	41.8	15.5	41.5
B258	Fld Bnd 11.59 deg. Left Turn MCSD: 40.30		51070.40	2262+90		7.0	0.617		40.30	20.4	40.4	20.0	41.6
B259	Fld Bnd 8.8 deg. Down Turn MCSD: 40.27		51117.57	2263+37		5.1	0.617		40.27	27.2	41.6	14.4	39.8

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B260	Bend 22.8 deg. 3.0 Ds Up Turn MCSD: 40.08	Before u/s w.: 0.3%(0.142) MCSD: 40.6 ID:40.5 mph:7.4 Clk:3 to 9 After d/s w. : 0.4%(0.159) MCSD: 40.5 ID:40.5 mph:1.7 Clk:4 to 10 MPH coming into Bend (-10ft): 6.1 Leaving Bend (+10ft): 3.2 Min MPH over range: 0.0 at index 6812484	51259.18	2264+78		4.6	0.740		40.08	2.2	4.3	2.1	4.5
B261	Bend 19.5 deg. 3.0 Ds Down Turn MCSD: 40.10	Before u/s w.: 0.7%(0.297) MCSD: 40.4 ID:40.5 mph:0.7 Clk:4 to 10 After d/s w. : 0.3%(0.135) MCSD: 40.6 ID:40.5 mph:9.5 Clk:4 to 10 MPH coming into Bend (-10ft): 1.5 Leaving Bend (+10ft): 11.5 Min MPH over range: 0.0 at index 6812484	51272.46	2264+92		6.7	0.740		40.10	2.2	4.2	2.0	5.1
B262	Fld Bnd 4.92 deg. Up Turn MCSD: 40.52		51297.11	2265+16		13.3	0.617		40.52	17.5	30.0	12.4	41.5
B263	Fld Bnd 12.36 deg. Up Turn MCSD: 40.25		51329.99	2265+49		12.1	0.617		40.25	20.4	41.5	21.1	6.4
B264	Bend 5.3 deg. 3.0 Ds Down Turn MCSD: 40.18	Before u/s w.: 0.9%(0.360) MCSD: 40.5 ID:40.8 mph:10.0 Clk:4 to 10 After d/s w. : 0.5%(0.229) MCSD: 40.7 ID:40.8 mph:9.7 Clk:4 to 10 MPH coming into Bend (-10ft): 10.0 Leaving Bend (+10ft): 10.6 Min MPH over range: 8.3 at index 6823509	51358.28	2265+78		8.9	0.617		40.18	0.8	1.5	0.7	5.0
B265	Fld Bnd 12.83 deg. Up Turn MCSD: 40.27		51384.01	2266+03		8.9	0.617		40.27	14.8	35.4	20.6	8.9
B266	Bend 12.6 deg. 3.0 Ds Up & Right Turn MCSD: 40.10	Before u/s w.: 0.5%(0.190) MCSD: 40.7 ID:40.8 mph:5.9 Clk:6 to 12 After d/s w. : 0.5%(0.220) MCSD: 40.7 ID:40.8 mph:0.1 Clk:5 to 11 MPH coming into Bend (-10ft): 6.5 Leaving Bend (+10ft): 0.2 Min MPH over range: 0.0 at index 6836292	51468.98	2266+88		0.0	0.617		40.10	16.6	21.6	5.0	4.7
B267	Bend 53.61 deg. 3.0 Ds Up Turn MCSD: 40.36	Before u/s w.: 0.7%(0.297) MCSD: 40.6 ID:40.8 mph:0.1 Clk:6 to 12 After d/s w. : 1.0%(0.437) MCSD: 40.5 ID:40.8 mph:0.1 Clk:4 to 10 MPH coming into Bend (-10ft): 0.1 Leaving Bend (+10ft): 0.8 Min MPH over range: 0.0 at index 6837461	51480.11	2266+99		0.1	0.617		40.36	1.4	8.5	7.0	12.0
B268	Bend 10.1 deg. 3.0 Ds Down Turn MCSD: 39.78	Before u/s w.: 1.9%(0.816) MCSD: 40.0 ID:40.8 mph:5.4 Clk:3 to 9 After d/s w. : 1.9%(0.816) MCSD: 40.0 ID:40.8 mph:8.4 Clk:5 to 11 MPH coming into Bend (-10ft): 4.2 Leaving Bend (+10ft): 6.2 Min MPH over range: 1.6 at index 6840989	51512.26	2267+32		5.8	0.617		39.78	1.6	3.2	1.6	14.7

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B269	Bend 23.5 deg. 3.0 Ds Left & Up Turn MCSD: 39.58	Before u/s w.: 0.8%(0.318) MCSD: 40.5 ID:40.8 mph:21.0 Clk:6 to 12 After d/s w. : 1.0%(0.420) MCSD: 40.2 ID:40.8 mph:20.6 Clk:5 to 11 MPH coming into Bend (-10ft): 20.3 Leaving Bend (+10ft): 20.6 Min MPH over range: 16.9 at index 6879260	51819.38	2270+39		19.0	0.617		39.58	2.4	4.8	2.4	4.8
B270	Fld Bnd 12.52 deg. Left Turn MCSD: 40.28		52028.18	2272+47		14.8	0.617		40.28	23.1	43.9	20.9	28.0
B271	Fld Bnd 12.86 deg. Right Turn MCSD: 40.22		52203.51	2274+23		19.0	0.617		40.22	20.3	41.2	20.9	18.8
B272	Bend 60.6 deg. 3.0 Ds Up & Right Turn MCSD: 39.23	Before u/s w.: 0.1%(0.030) MCSD: 40.8 ID:40.8 mph:23.1 Clk:2 to 8 After d/s w. : 0.8%(0.321) MCSD: 40.3 ID:40.8 mph:24.2 Clk:6 to 12 MPH coming into Bend (-10ft): 24.1 Leaving Bend (+10ft): 24.9 Min MPH over range: 19.8 at index 6939189	52331.12	2275+50		26.6	0.617		39.23	5.5	11.0	5.5	8.7
B273	Fld Bnd 9.57 deg. Left & Up Turn MCSD: 40.14		52648.67	2278+68		33.3	0.617		40.14	20.6	41.0	20.4	42.6
B274	Fld Bnd 8.83 deg. Right Turn MCSD: 40.21		52982.68	2282+02		11.1	0.617		40.21	18.5	42.0	23.4	39.8
B275	Bend 76.3 deg. 3.0 Ds Left Turn MCSD: 39.55	Before u/s w.: 1.4%(0.603) MCSD: 40.3 ID:40.8 mph:13.9 Clk:0 to 6 After d/s w. : 1.5%(0.649) MCSD: 40.1 ID:40.8 mph:15.8 Clk:1 to 7 MPH coming into Bend (-10ft): 14.0 Leaving Bend (+10ft): 16.8 Min MPH over range: 13.6 at index 7049808	53247.51	2284+67		14.8	0.617		39.55	7.3	14.7	7.3	6.4
B276	Bend 9.2 deg. 3.0 Ds Left & Up Turn MCSD: 39.66	Before u/s w.: 1.9%(0.785) MCSD: 39.8 ID:40.8 mph:20.0 Clk:4 to 10 After d/s w. : 0.6%(0.258) MCSD: 40.6 ID:40.8 mph:24.4 Clk:0 to 6 MPH coming into Bend (-10ft): 18.7 Leaving Bend (+10ft): 25.0 Min MPH over range: 16.1 at index 7053709	53278.01	2284+97		22.2	0.617		39.66	1.8	3.6	1.8	9.9
B277	Fld Bnd 11.83 deg. Left & Up Turn MCSD: 38.75		53336.58	2285+56		26.6	0.617		38.75	22.2	42.8	20.6	42.3
B278	Fld Bnd 5.82 deg. Left Turn MCSD: 40.52		53426.49	2286+46		33.3	0.617		40.52	27.0	42.3	15.2	20.5
B279	Bend 46.8 deg. 3.0 Ds Up & Right Turn MCSD: 38.28	Before u/s w.: 1.4%(0.603) MCSD: 40.2 ID:40.8 mph:26.7 Clk:5 to 11 After d/s w. : 0.7%(0.303) MCSD: 40.3 ID:40.8 mph:22.3 Clk:3 to 9 MPH coming into Bend (-10ft): 28.8 Leaving Bend (+10ft): 23.7 Min MPH over range: 19.6 at index 7092807	53601.45	2288+21		19.0	0.617		38.28	3.9	7.8	3.8	5.7
B280	Fld Bnd 13.18 deg. Up & Right Turn MCSD: 40.31		53673.54	2288+93		26.6	0.617		40.31	21.1	42.8	21.7	40.5
B281	Fld Bnd 9.28 deg. Right Turn MCSD: 39.85		53753.53	2289+73		19.0	0.617		39.85	17.8	39.2	21.4	17.7
B282	Fld Bnd 8.68 deg. Right Turn MCSD: 40.28		53809.72	2290+29		22.2	0.617		40.28	17.1	41.1	24.0	4.8

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B283	Bend 45.9 deg. 3.0 Ds Left Turn MCSD: 39.76	Before u/s w.: 0.9%(0.368) MCSD: 40.5 ID:40.8 mph:21.8 Clk:0 to 6 After d/s w. : 0.9%(0.375) MCSD: 40.4 ID:40.8 mph:21.7 Clk:3 to 9 MPH coming into Bend (-10ft): 21.7 Leaving Bend (+10ft): 20.4 Min MPH over range: 18.3 at index 7120875	53843.61	2290+63		22.2	0.617		39.76	5.0	10.1	5.0	9.4
B284	Bend 16.2 deg. 3.0 Ds Up Turn MCSD: 39.95	Before u/s w.: 0.6%(0.235) MCSD: 40.2 ID:40.5 mph:8.3 Clk:5 to 11 After d/s w. : 0.4%(0.170) MCSD: 40.5 ID:40.5 mph:0.1 Clk:1 to 7 MPH coming into Bend (-10ft): 1.8 Leaving Bend (+10ft): 0.1 Min MPH over range: 0.0 at index 7192594	54416.14	2296+35		9.5	0.888		39.95	2.0	4.1	2.1	19.5
B285	Bend 30.1 deg. 3.0 Ds Up Turn MCSD: 40.12	Before u/s w.: 0.4%(0.148) MCSD: 40.6 ID:40.5 mph:0.0 Clk:5 to 11 After d/s w. : 0.3%(0.145) MCSD: 40.5 ID:40.5 mph:0.6 Clk:5 to 11 MPH coming into Bend (-10ft): 0.0 Leaving Bend (+10ft): 1.1 Min MPH over range: 0.0 at index 7193918	54452.80	2296+72		0.4	0.888		40.12	3.6	7.0	3.4	13.2
B286	Bend 7.5 deg. 3.0 Ds Down Turn MCSD: 39.63	Before u/s w.: 0.4%(0.188) MCSD: 40.2 ID:40.3 mph:11.6 Clk:1 to 7 After d/s w. : 1.1%(0.452) MCSD: 39.9 ID:40.3 mph:12.7 Clk:1 to 7 MPH coming into Bend (-10ft): 10.0 Leaving Bend (+10ft): 14.5 Min MPH over range: 10.0 at index 7199974	54507.66	2297+27		11.1	0.740		39.63	1.1	2.1	1.0	6.4
B287	Bend 21.6 deg. 3.0 Ds Up Turn MCSD: 39.17	Before u/s w.: 1.3%(0.539) MCSD: 39.9 ID:40.8 mph:21.0 Clk:0 to 6 After d/s w. : 1.0%(0.428) MCSD: 40.4 ID:40.8 mph:20.0 Clk:0 to 6 MPH coming into Bend (-10ft): 22.8 Leaving Bend (+10ft): 19.6 Min MPH over range: 18.6 at index 7231370	54753.77	2299+73		22.2	0.617		39.17	2.0	3.9	1.9	11.1
B288	Bend 12.8 deg. 3.0 Ds Up Turn MCSD: 39.47	Before u/s w.: 1.2%(0.515) MCSD: 40.3 ID:40.8 mph:18.1 Clk:3 to 9 After d/s w. : 0.7%(0.310) MCSD: 40.4 ID:40.8 mph:19.4 Clk:3 to 9 MPH coming into Bend (-10ft): 17.1 Leaving Bend (+10ft): 19.3 Min MPH over range: 13.1 at index 7252547	54934.76	2301+54		19.0	0.617		39.47	1.8	3.6	1.8	7.2
B289	Bend 46.2 deg. 3.0 Ds Right Turn MCSD: 39.59	Before u/s w.: 0.9%(0.382) MCSD: 40.5 ID:40.8 mph:20.2 Clk:5 to 11 After d/s w. : 0.7%(0.282) MCSD: 40.5 ID:40.8 mph:22.4 Clk:4 to 10 MPH coming into Bend (-10ft): 18.8 Leaving Bend (+10ft): 20.2 Min MPH over range: 17.9 at index 7298498	55309.71	2305+29		22.2	0.617		39.59	4.8	9.5	4.7	10.4

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B290	Bend 43.8 deg. 3.0 Ds Left Turn MCSD: 38.88	Before u/s w.: 0.3%(0.124) MCSD: 40.7 ID:40.8 mph:26.5 Clk:5 to 11 After d/s w. : 1.4%(0.568) MCSD: 40.0 ID:40.8 mph:27.4 Clk:1 to 7 MPH coming into Bend (-10ft): 24.2 Leaving Bend (+10ft): 28.1 Min MPH over range: 23.9 at index 7307282	55393.18	2306+12		26.6	0.617		38.88	4.1	8.1	4.1	5.0
B291	Fld Bnd 5.5 deg. Down & Left Turn MCSD: 40.18		55454.98	2306+74		26.6	0.617		40.18	22.4	40.3	17.9	38.9
B292	Fld Bnd 13.63 deg. Up & Right Turn MCSD: 39.90		55690.01	2309+09		33.3	0.617		39.90	21.7	41.1	19.4	30.1
B293	Fld Bnd 7.37 deg. Right Turn MCSD: 40.56		56213.61	2314+33		14.8	0.617		40.56	20.7	41.3	20.6	41.4
B294	Fld Bnd 13.55 deg. Right Turn MCSD: 40.26		56254.98	2314+74		10.2	0.617		40.26	20.8	41.4	20.6	40.6
B295	Bend 29.2 deg. 3.0 Ds Left Turn MCSD: 39.96	Before u/s w.: 0.7%(0.292) MCSD: 40.6 ID:40.8 mph:7.1 Clk:1 to 7 After d/s w. : 0.7%(0.300) MCSD: 40.6 ID:40.8 mph:0.7 Clk:1 to 7 MPH coming into Bend (-10ft): 5.7 Leaving Bend (+10ft): 6.7 Min MPH over range: 0.0 at index 7435482	56456.40	2316+76		4.9	0.617		39.96	2.9	5.9	2.9	5.4
B296	Bend 29.4 deg. 3.0 Ds Right Turn MCSD: 39.14	Before u/s w.: 1.9%(0.816) MCSD: 40.0 ID:40.8 mph:10.9 Clk:3 to 9 After d/s w. : 1.9%(0.816) MCSD: 40.0 ID:40.8 mph:13.4 Clk:2 to 8 MPH coming into Bend (-10ft): 9.3 Leaving Bend (+10ft): 15.2 Min MPH over range: 9.3 at index 7517207	57151.53	2323+71		14.8	0.617		39.14	2.9	5.8	2.9	5.2
B297	Fld Bnd 14.05 deg. Left & Up Turn MCSD: 40.15		57474.36	2326+94		26.6	0.617		40.15	23.3	42.7	19.4	20.7
B298	Fld Bnd 13.85 deg. Left Turn MCSD: 40.12		57599.44	2328+19		22.2	0.617		40.12	23.8	42.7	18.9	28.1
B299	Fld Bnd 5.82 deg. Left Turn MCSD: 40.50		57892.23	2331+12		19.0	0.617		40.50	21.5	42.9	21.3	43.1
B300	Fld Bnd 13.03 deg. Right & Down Turn MCSD: 40.15		58221.22	2334+41		12.1	0.617		40.15	15.1	36.1	21.0	41.1
B301	Fld Bnd 9.77 deg. Right Turn MCSD: 40.35		58261.22	2334+81		19.0	0.617		40.35	19.0	41.1	22.1	41.6
B302	Bend 42.2 deg. 3.0 Ds Left & Up Turn MCSD: 39.92	Before u/s w.: 0.5%(0.196) MCSD: 40.7 ID:40.8 mph:18.4 Clk:4 to 10 After d/s w. : 0.9%(0.383) MCSD: 40.4 ID:40.8 mph:16.2 Clk:5 to 11 MPH coming into Bend (-10ft): 18.3 Leaving Bend (+10ft): 17.0 Min MPH over range: 15.2 at index 7676438	58461.36	2336+81		16.6	0.617		39.92	4.7	9.3	4.6	5.2
B303	Bend 36.0 deg. 3.0 Ds Left Turn MCSD: 40.21	Before u/s w.: 1.0%(0.428) MCSD: 40.5 ID:40.8 mph:8.1 Clk:4 to 10 After d/s w. : 1.2%(0.522) MCSD: 40.4 ID:40.8 mph:2.8 Clk:4 to 10 MPH coming into Bend (-10ft): 7.2 Leaving Bend (+10ft): 8.8 Min MPH over range: 0.1 at index 7735150	58951.62	2341+71		6.3	0.617		40.21	3.7	7.4	3.7	5.1

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B304	Fld Bnd 12.41 deg. Left Turn MCSD: 40.47		59091.59	2343+11		1.9	0.617		40.47	19.9	40.5	20.5	42.8
B305	Fld Bnd 9.37 deg. Left Turn MCSD: 40.44		59187.57	2344+07		9.5	0.617		40.44	18.6	42.9	24.2	43.7
B306	Fld Bnd 9.73 deg. Left Turn MCSD: 40.52		59229.53	2344+49		7.4	0.617		40.52	17.7	43.7	26.0	42.5
B307	Fld Bnd 9.01 deg. Right Turn MCSD: 40.50		59390.75	2346+10		1.0	0.617		40.50	20.4	42.2	21.8	40.4
B308	Fld Bnd 6.66 deg. Right Turn MCSD: 40.53		59433.30	2346+53		4.6	0.617		40.53	20.7	40.4	19.7	42.0
B309	Bend 29.0 deg. 3.0 Ds Right Turn MCSD: 39.76	Before u/s w.: 1.1%(0.451) MCSD: 40.4 ID:40.8 mph:5.8 Clk:4 to 10 After d/s w. : 1.3%(0.552) MCSD: 40.3 ID:40.8 mph:3.9 Clk:4 to 10 MPH coming into Bend (-10ft): 6.2 Leaving Bend (+10ft): 3.7 Min MPH over range: 3.1 at index 7840297	59826.78	2350+46		4.9	0.617		39.76	3.0	5.9	2.9	5.1
B310	Bend 35.95 deg. 3.0 Ds Right Turn MCSD: 40.33	Before u/s w.: 0.5%(0.215) MCSD: 40.7 ID:40.8 mph:7.7 Clk:4 to 10 After d/s w. : 0.3%(0.128) MCSD: 40.7 ID:40.8 mph:7.9 Clk:2 to 8 MPH coming into Bend (-10ft): 7.5 Leaving Bend (+10ft): 10.0 Min MPH over range: 6.5 at index 7850618	59927.06	2351+46		7.8	0.617		40.33	3.5	7.2	3.6	5.0
B311	Fld Bnd 9.58 deg. Right Turn MCSD: 40.37		60320.70	2355+40		6.3	0.617		40.37	21.9	42.5	20.6	42.8
B312	Fld Bnd 11.52 deg. Right Turn MCSD: 40.57		60361.28	2355+81		4.8	0.617		40.57	20.0	42.8	22.8	42.2
B313	Bend 29.3 deg. 3.0 Ds Left Turn MCSD: 40.21	Before u/s w.: 0.9%(0.395) MCSD: 40.5 ID:40.8 mph:8.8 Clk:5 to 11 After d/s w. : 0.9%(0.358) MCSD: 40.5 ID:40.8 mph:4.5 Clk:5 to 11 MPH coming into Bend (-10ft): 8.0 Leaving Bend (+10ft): 7.5 Min MPH over range: 0.1 at index 7919571	60488.58	2357+08		6.7	0.617		40.21	3.0	6.0	3.0	40.8
B314	Fld Bnd 11.17 deg. Left Turn MCSD: 40.39		60716.00	2359+35		5.3	0.617		40.39	20.8	41.7	20.9	37.0
B315	Fld Bnd 7.16 deg. Down & Left Turn MCSD: 40.56		61433.75	2366+53		6.3	0.617		40.56	26.4	43.3	16.9	40.1
B316	Fld Bnd 10.66 deg. Left Turn MCSD: 40.14		61779.53	2369+99		6.0	0.617		40.14	20.5	42.2	21.8	40.0
B317	Fld Bnd 3.3 deg. Right & Down Turn MCSD: 40.61		62256.19	2374+75		11.1	0.617		40.61	13.8	41.9	28.1	42.4
B318	Fld Bnd 5.98 deg. Down Turn MCSD: 40.47		62310.32	2375+30		9.5	0.617		40.47	26.0	42.4	16.4	15.0
B319	Fld Bnd 8.14 deg. Right Turn MCSD: 40.44		62360.37	2375+80		7.8	0.617		40.44	18.7	39.8	21.1	41.9
B320	Fld Bnd 9.6 deg. Right Turn MCSD: 36.53		62404.59	2376+24		13.3	0.617		36.53	23.1	41.9	18.8	41.0
B321	Fld Bnd 3.82 deg. Down Turn MCSD: 40.53		62444.29	2376+64		19.0	0.617		40.53	20.9	41.0	20.1	24.5
B322	Fld Bnd 4.84 deg. Down Turn MCSD: 40.63		62548.53	2377+68		9.5	0.617		40.63	16.5	39.9	23.5	39.8
B323	Fld Bnd 6.24 deg. Down & Left Turn MCSD: 40.41		62631.81	2378+51		7.8	0.617		40.41	20.0	40.0	20.0	39.6

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B324	Bend 19.4 deg. 3.0 Ds Up Turn MCSD: 39.97	Before u/s w.: 0.5%(0.199) MCSD: 40.5 ID:40.5 mph:16.9 Clk:4 to 10 After d/s w. : 0.6%(0.238) MCSD: 40.4 ID:40.5 mph:14.3 Clk:4 to 10 MPH coming into Bend (-10ft): 16.7 Leaving Bend (+10ft): 13.3 Min MPH over range: 13.3 at index 8204363	62856.80	2380+76		14.8	0.740		39.97	1.9	3.8	1.9	19.7
B325	Bend 10.1 deg. 3.0 Ds Up Turn MCSD: 39.78	Before u/s w.: 0.9%(0.357) MCSD: 40.3 ID:40.5 mph:13.8 Clk:3 to 9 After d/s w. : 0.6%(0.262) MCSD: 40.4 ID:40.5 mph:13.0 Clk:3 to 9 MPH coming into Bend (-10ft): 13.6 Leaving Bend (+10ft): 12.7 Min MPH over range: 11.2 at index 8206662	62888.87	2381+08		11.1	0.740		39.78	1.3	2.6	1.3	8.4
B326	Fld Bnd 5.51 deg. Right Turn MCSD: 39.82		62916.92	2381+36		11.1	0.740		39.82	18.3	39.4	21.1	9.6
B327	Bend 5.9 deg. 3.0 Ds Right & Down Turn MCSD: 39.58	Before u/s w.: 1.9%(0.816) MCSD: 40.0 ID:40.5 mph:11.8 Clk:4 to 10 After d/s w. : 1.9%(0.816) MCSD: 40.0 ID:40.5 mph:12.2 Clk:4 to 10 MPH coming into Bend (-10ft): 12.9 Leaving Bend (+10ft): 12.6 Min MPH over range: 10.5 at index 8215314	62960.50	2381+80		12.1	0.740		39.58	0.9	1.9	0.9	4.9
B328	Bend 4.7 deg. 3.0 Ds Up Turn MCSD: 40.06	Before u/s w.: 0.7%(0.273) MCSD: 40.4 ID:40.5 mph:12.8 Clk:4 to 10 After d/s w. : 0.7%(0.293) MCSD: 40.4 ID:40.5 mph:10.7 Clk:4 to 10 MPH coming into Bend (-10ft): 10.8 Leaving Bend (+10ft): 6.6 Min MPH over range: 6.6 at index 8218331	62973.53	2381+93		11.1	0.888		40.06	0.8	1.6	0.8	7.5
B329	Bend 36.0 deg. 3.0 Ds Right Turn MCSD: 39.79	Before u/s w.: 0.6%(0.264) MCSD: 40.5 ID:40.5 mph:3.8 Clk:4 to 10 After d/s w. : 0.7%(0.302) MCSD: 40.4 ID:40.5 mph:3.0 Clk:4 to 10 MPH coming into Bend (-10ft): 3.6 Leaving Bend (+10ft): 2.2 Min MPH over range: 2.2 at index 8230858	63077.96	2382+97		3.7	0.740		39.79	3.4	6.7	3.4	5.2
B330	Bend 23.9 deg. 3.0 Ds Right Turn MCSD: 39.62	Before u/s w.: 0.7%(0.288) MCSD: 40.3 ID:40.5 mph:10.3 Clk:2 to 8 After d/s w. : 0.9%(0.390) MCSD: 40.3 ID:40.5 mph:11.5 Clk:1 to 7 MPH coming into Bend (-10ft): 10.1 Leaving Bend (+10ft): 11.4 Min MPH over range: 9.3 at index 8243515	63195.28	2384+15		13.3	0.740		39.62	2.4	4.7	2.3	11.2
B331	Bend 11.7 deg. 3.0 Ds Left & Up Turn MCSD: 39.49	Before u/s w.: 0.6%(0.262) MCSD: 40.4 ID:40.5 mph:20.8 Clk:1 to 7 After d/s w. : 0.9%(0.374) MCSD: 40.2 ID:40.5 mph:22.4 Clk:1 to 7 MPH coming into Bend (-10ft): 19.5 Leaving Bend (+10ft): 22.0 Min MPH over range: 17.9 at index 8255546	63297.31	2385+17		22.2	0.740		39.49	2.2	3.9	1.6	9.9

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B332	Bend 22.9 deg. 3.0 Ds Up Turn MCSD: 39.12	Before u/s w.: 0.2%(0.103) MCSD: 40.5 ID:40.5 mph:22.1 Clk:4 to 10 After d/s w. : 0.8%(0.329) MCSD: 40.3 ID:40.5 mph:21.1 Clk:4 to 10 MPH coming into Bend (-10ft): 23.3 Leaving Bend (+10ft): 21.7 Min MPH over range: 18.6 at index 8258386	63320.87	2385+40		19.0	0.740		39.12	2.2	4.2	2.0	9.6
B333	Bend 38.0 deg. 3.0 Ds Left & Up Turn MCSD: 39.98	Before u/s w.: 0.6%(0.256) MCSD: 40.5 ID:40.5 mph:13.4 Clk:1 to 7 After d/s w. : 0.7%(0.302) MCSD: 40.4 ID:40.5 mph:7.4 Clk:1 to 7 MPH coming into Bend (-10ft): 13.9 Leaving Bend (+10ft): 0.3 Min MPH over range: 0.1 at index 8284999	63529.06	2387+48		11.1	0.740		39.98	3.8	7.7	3.8	5.1
B334	Bend 22.85 deg. 3.0 Ds Down Turn MCSD: 39.79	Before u/s w.: 1.5%(0.634) MCSD: 40.2 ID:40.8 mph:15.3 Clk:2 to 8 After d/s w. : 1.0%(0.434) MCSD: 40.2 ID:40.8 mph:14.2 Clk:2 to 8 MPH coming into Bend (-10ft): 10.7 Leaving Bend (+10ft): 16.4 Min MPH over range: 9.9 at index 8295813	63636.57	2388+56		14.8	0.617		39.79	1.7	3.8	2.1	5.1
B335	Bend 20.1 deg. 3.0 Ds Up Turn MCSD: 38.85	Before u/s w.: 1.0%(0.429) MCSD: 40.1 ID:40.8 mph:22.9 Clk:1 to 7 After d/s w. : 1.2%(0.483) MCSD: 40.4 ID:40.8 mph:19.3 Clk:1 to 7 MPH coming into Bend (-10ft): 21.7 Leaving Bend (+10ft): 18.7 Min MPH over range: 16.9 at index 8312227	63765.17	2389+84		22.2	0.617		38.85	1.4	2.8	1.4	5.2
B336	Bend 33.0 deg. 3.0 Ds Left Turn MCSD: 39.97	Before u/s w.: 1.3%(0.558) MCSD: 40.4 ID:40.8 mph:3.3 Clk:6 to 12 After d/s w. : 0.9%(0.369) MCSD: 40.5 ID:40.8 mph:5.2 Clk:6 to 12 MPH coming into Bend (-10ft): 2.6 Leaving Bend (+10ft): 4.4 Min MPH over range: 2.4 at index 8330252	63911.30	2391+31		3.1	0.617		39.97	3.5	7.0	3.5	5.1
B337	Fld Bnd 8.99 deg. Left Turn MCSD: 40.46		64276.08	2394+95		7.0	0.617		40.46	20.4	43.0	22.6	40.1
B338	Fld Bnd 6.63 deg. Left Turn MCSD: 40.26		64862.93	2400+82		19.0	0.617		40.26	26.0	40.1	14.2	20.3
B339	Fld Bnd 5.15 deg. Right & Down Turn MCSD: 39.70		65555.55	2407+75		6.0	0.617		39.70	14.6	41.8	27.3	36.8
B340	Bend 91.3 deg. 3.0 Ds Right Turn MCSD: 39.32	Before u/s w.: 0.8%(0.345) MCSD: 40.6 ID:40.8 mph:10.9 Clk:1 to 7 After d/s w. : 1.8%(0.767) MCSD: 40.1 ID:40.8 mph:14.7 Clk:2 to 8 MPH coming into Bend (-10ft): 12.0 Leaving Bend (+10ft): 14.5 Min MPH over range: 8.3 at index 8535347	65633.70	2408+53		12.1	0.617		39.32	8.9	17.8	8.8	9.0

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B341	Bend 33.6 deg. 3.0 Ds Left & Up Turn MCSD: 40.29	Before u/s w.: 0.6%(0.263) MCSD: 40.7 ID:40.8 mph:12.7 Clk:2 to 8 After d/s w. : 1.2%(0.513) MCSD: 40.4 ID:40.8 mph:12.4 Clk:3 to 9 MPH coming into Bend (-10ft): 11.3 Leaving Bend (+10ft): 12.7 Min MPH over range: 11.3 at index 8575738	65971.43	2411+91		12.1	0.617		40.29	3.4	7.4	4.0	5.1
B342	Fld Bnd 7.7 deg. Left Turn MCSD: 40.25		66278.51	2414+98		6.7	0.617		40.25	19.5	40.3	20.8	39.9
B343	Fld Bnd 12.19 deg. Left Turn MCSD: 40.12		66908.55	2421+28		3.8	0.617		40.12	22.3	42.8	20.5	41.7
B344	Fld Bnd 5.87 deg. Right Turn MCSD: 40.40		67502.96	2427+22		9.5	0.617		40.40	28.0	41.5	13.5	39.9
B345	Fld Bnd 12.61 deg. Right Turn MCSD: 40.18		67809.67	2430+29		8.9	0.617		40.18	22.5	41.5	19.1	37.4
B346	Bend 19.2 deg. 3.0 Ds Left Turn MCSD: 39.90	Before u/s w.: 0.8%(0.341) MCSD: 40.5 ID:40.8 mph:6.7 Clk:1 to 7 After d/s w. : 1.3%(0.539) MCSD: 40.4 ID:40.8 mph:10.8 Clk:2 to 8 MPH coming into Bend (-10ft): 9.0 Leaving Bend (+10ft): 14.8 Min MPH over range: 0.1 at index 8835198	68126.22	2433+46		4.3	0.617		39.90	2.2	4.5	2.4	5.1
B347	Fld Bnd 10.84 deg. Left Turn MCSD: 40.24		68323.46	2435+43		6.3	0.617		40.24	20.7	42.8	22.1	41.5
B348	Bend 50.0 deg. 3.0 Ds Right Turn MCSD: 40.29	Before u/s w.: 0.9%(0.372) MCSD: 40.6 ID:40.8 mph:5.7 Clk:5 to 11 After d/s w. : 0.9%(0.368) MCSD: 40.6 ID:40.8 mph:6.9 Clk:5 to 11 MPH coming into Bend (-10ft): 4.9 Leaving Bend (+10ft): 7.0 Min MPH over range: 4.4 at index 8882062	68520.12	2437+39		6.7	0.617		40.29	5.1	10.1	5.0	5.4
B349	Fld Bnd 10.54 deg. Down & Left Turn MCSD: 40.35		68729.75	2439+49		7.4	0.617		40.35	19.7	43.5	23.8	43.3
B350	Fld Bnd 12.93 deg. Left Turn MCSD: 40.31		68775.84	2439+95		6.3	0.617		40.31	22.2	43.3	21.0	43.2
B351	Fld Bnd 6.23 deg. Left & Up Turn MCSD: 40.49		68868.50	2440+88		11.1	0.617		40.49	28.5	42.8	14.4	39.2
B352	Bend 15.8 deg. 3.0 Ds Up Turn MCSD: 39.91	Before u/s w.: 0.7%(0.301) MCSD: 40.2 ID:40.3 mph:15.0 Clk:2 to 8 After d/s w. : 0.7%(0.288) MCSD: 40.1 ID:40.2 mph:11.2 Clk:4 to 10 MPH coming into Bend (-10ft): 14.0 Leaving Bend (+10ft): 10.7 Min MPH over range: 10.0 at index 8940373	68993.23	2442+13		12.1	0.740		39.91	1.8	3.6	1.8	3.1
B353	Fld Bnd 5.51 deg. Down & Left Turn MCSD: 39.78		69086.05	2443+05		11.1	0.864		39.78	23.2	38.7	15.4	25.7
B354	Bend 28.1 deg. 3.0 Ds Right & Down Turn MCSD: 39.53	Before u/s w.: 1.2%(0.515) MCSD: 40.0 ID:40.3 mph:6.7 Clk:2 to 8 After d/s w. : 1.0%(0.409) MCSD: 40.0 ID:40.3 mph:5.6 Clk:3 to 9 MPH coming into Bend (-10ft): 6.1 Leaving Bend (+10ft): 10.3 Min MPH over range: 2.2 at index 8955560	69130.00	2443+49		4.8	0.888		39.53	2.7	5.5	2.8	5.9

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Ori.	MCSD	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint
B355	Bend 34.5 deg. 3.0 Ds Up Turn MCSD: 39.44	Before u/s w.: 1.5%(0.638) MCSD: 39.8 ID:40.3 mph:9.5 Clk:4 to 10 After d/s w. : 1.5%(0.615) MCSD: 39.8 ID:40.3 mph:8.4 Clk:4 to 10 MPH coming into Bend (-10ft): 10.7 Leaving Bend (+10ft): 13.1 Min MPH over range: 0.5 at index 8961894	69181.92	2444+01		4.3	0.864		39.44	3.2	6.5	3.2	6.5
B356	Bend 15.8 deg. 3.0 Ds Left Turn MCSD: 39.71	Before u/s w.: 0.8%(0.326) MCSD: 40.1 ID:40.3 mph:10.7 Clk:3 to 9 After d/s w. : 1.1%(0.482) MCSD: 40.0 ID:40.3 mph:9.9 Clk:4 to 10 MPH coming into Bend (-10ft): 11.5 Leaving Bend (+10ft): 7.8 Min MPH over range: 7.8 at index 8973780	69268.90	2444+88		11.1	0.888		39.71	1.9	3.8	1.9	19.4
B357	Bend 91.0 deg. 3.0 Ds Left Turn MCSD: 40.01	Before u/s w.: 0.4%(0.165) MCSD: 40.5 ID:40.5 mph:4.0 Clk:2 to 8 After d/s w. : 1.0%(0.440) MCSD: 40.3 ID:40.8 mph:7.3 Clk:1 to 7 MPH coming into Bend (-10ft): 3.9 Leaving Bend (+10ft): 7.3 Min MPH over range: 2.4 at index 9036015	69807.27	2450+27		7.0	0.617		40.01	8.8	17.7	8.9	3.2
B358	Bend 18.9 deg. 3.0 Ds Down Turn MCSD: 39.99	Before u/s w.: 1.3%(0.566) MCSD: 40.3 ID:40.8 mph:6.2 Clk:2 to 8 After d/s w. : 0.9%(0.383) MCSD: 40.5 ID:40.8 mph:4.6 Clk:1 to 7 MPH coming into Bend (-10ft): 6.4 Leaving Bend (+10ft): 3.7 Min MPH over range: 3.7 at index 9041351	69831.85	2450+51		5.8	0.617		39.99	2.1	4.2	2.1	5.0

Activity Name	Start	Finish
A Test Section 1 - Geo Pig	10-14-23 A	10-14-23 A
B Test Section 2 - Geo Pig	10-25-23 A	10-27-23 A
B Test Section 3 - Geo Pig	10-26-23 A	10-27-23 A
A Test Section 2 - Geo Pig	11-08-23 A	11-08-23 A
C Test Section 1 - Geo pig	11-08-23 A	11-09-23 A
C Test Section 2 - Geo pig	11-09-23 A	11-10-23 A
I: Test Section 2 - Geo pig	11-10-23 A	11-10-23 A
B Test Section 1 - Geo Pig	11-17-23 A	11-17-23 A
I: Test Section H602/603 - Geo Pig and Dry (Ref. I_0018, I_0026) - Recommend to reassign succ & descope this task	11/21/2023	11/21/2023
A Test Section 4 - Geo Pig	11/22/2023	11/22/2023
A Test Section 3 - Geo Pig	11/26/2023	11/26/2023
I: Test Section 1 - Geo pig	11/27/2023	11/27/2023
C Test Section 3 - Geo pig	11/30/2023	11/30/2023
E: Test Section 2 - Geo pig (Refer to Segment 3 for duration)	12/12/2023	12/12/2023
E: Test Section 3 - Geo Pig (Segments 2 and 3 together)	12/15/2023	12/15/2023
E: Test Section 1 - Geo Pig	12/22/2023	12/26/2023
C Test Section 4 - Geo pig	12/30/2023	12/30/2023
C Test Section 5 - Geo pig	12/31/2023	1/2/2024
C Test Section 6 - Geo pig	1/2/2024	1/2/2024
D Test Section 1 - Geo pig	1/4/2024	1/5/2024
F: Test Section 1 - Geo Pig	1/5/2024	1/6/2024
H: Test Section 6 - Geo pig - H5/H6	1/10/2024	1/10/2024
F: Test Section 7a - Geo Pig	1/13/2024	1/16/2024
F: Test Section 7b - Geo Pig	1/13/2024	1/16/2024
I: Test Section 3 - Geo pig	1/14/2024	1/14/2024
H: Test Section 5 - Geo pig - H5/H6	1/16/2024	1/16/2024
F: Test Section 2 - Geo Pig	1/18/2024	1/19/2024
F: Test Section 3 - Geo Pig	1/18/2024	1/19/2024
H: Test Section 2 - Geo pig	1/18/2024	1/18/2024
F: Test Section 6 - Geo Pig	1/18/2024	1/20/2024
F: Test Section 5 - Geo Pig	1/19/2024	1/22/2024
G: Test Section 1 - Geo Pig	1/20/2024	1/20/2024
G: Test Section 2 - Geo Pig	1/20/2024	1/20/2024
F: Test Section 4 - Geo Pig	1/22/2024	1/24/2024
H: Test Section 1 - Geo pig	1/26/2024	1/26/2024
I: Test Section 4 - Geo pig	1/27/2024	1/27/2024
G: Test Section 3 - Geo Pig	1/27/2024	1/27/2024
D Test Section 2 - Geo pig	1/30/2024	1/31/2024
D Test Section 3 - Geo pig	1/30/2024	1/31/2024
I: Test Section 5 - Geo Pig	2/1/2024	2/1/2024
H: Test Section 4 - Geo pig	2/11/2024	2/11/2024
G: Test Section 4 - Geo Pig	2/16/2024	2/16/2024
H: Test Section 3 - Geo pig	2/17/2024	2/17/2024
G: Test Section 5 - Geo Pig	2/20/2024	2/21/2024

		Bend Listing															
		CUSTOMER/CONTRACTOR Equitrans Midstream - Precision Pipeline					PIPE DIAMETER 42.000 in										
		CUSTOMER LINE ID Mountain Valley Pipeline Spread B					WALL THICKNESS .617 in										
		JOB NUMBER B20-749B					PRODUCT 12400 CFM - 35 PSI										
		LAUNCH STATION B27					RUN DATE 28-Oct-2023										
		Camden, WV					FIELD ENGINEER Scott Galcatcher										
		RECEIVE STATION B12D					CHART ANALYST Scott Galcatcher										
		Camden, WV					REPORT DATE 10/29/2023										
		PIPELINE LENGTH 19.91 mi					ISSUE # 1										
Event ID	Bend Dees	Bend Angle	Bend Direction	Comment	Enduro Station	Projected Station	Customer Station	Avg Mile Post	MCSD								
B1	3.0	12	Up	Before u/s w.: 0.5%(0.220) MCSD: 40.5 ID:40.5 mph:1.8 Clk:2 to 8 After d/s w.: 0.7%(0.283) MCSD: 40.3 ID:40.5 mph:2.3 Clk:2 to 8 MPH coming into Bend (-10ft): 2.1 Leaving Bend (+10ft): 3.1 Min MPH over range: 1.6 at index 818246	3.57	0+04		.00	39.81								
B2	3.0	35	Left	Before u/s w.: 0.2%(0.104) MCSD: 40.5 ID:40.5 mph:3.4 Clk:5 to 11 After d/s w.: 0.3%(0.134) MCSD: 40.4 ID:40.5 mph:1.9 Clk:1 to 7 MPH coming into Bend (-10ft): 4.0 Leaving Bend (+10ft): 2.9 Min MPH over range: 1.7 at index 849664	258.27	2+58		.05	40.12								
B3	3.0	25	Right	Before u/s w.: 0.5%(0.231) MCSD: 40.6 ID:40.8 mph:10.7 Clk:4 to 10 After d/s w.: 0.8%(0.349) MCSD: 40.5 ID:40.8 mph:11.0 Clk:5 to 11 MPH coming into Bend (-10ft): 10.7 Leaving Bend (+10ft): 12.8 Min MPH over range: 8.5 at index 978631	1342.14	13+42		.25	40.34								
B4	3.0	22	Right	Before u/s w.: 0.3%(0.122) MCSD: 40.7 ID:40.8 mph:14.4 Clk:2 to 8 After d/s w.: 0.5%(0.217) MCSD: 40.5 ID:40.8 mph:14.3 Clk:4 to 10 MPH coming into Bend (-10ft): 14.8 Leaving Bend (+10ft): 14.6 Min MPH over range: 12.8 at index 984784	1388.95	13+89		.26	40.24								
B5	3.0	71	Left	Before u/s w.: 0.4%(0.161) MCSD: 40.7 ID:40.8 mph:14.4 Clk:4 to 10 After d/s w.: 0.8%(0.331) MCSD: 40.4 ID:40.8 mph:13.0 Clk:3 to 9 MPH coming into Bend (-10ft): 15.1 Leaving Bend (+10ft): 12.9 Min MPH over range: 11.2 at index 1200941	3185.21	31+85		.60	39.58								

B6	3.0	37	Right	Before u/s w.: 0.8%(0.327) MCSD: 40.5 ID:40.8 mph:22.6 Clk:6 to 12 After d/s w.: 0.5%(0.208) MCSD: 40.5 ID:40.8 mph:24.6 Clk:1 to 7 MPH coming into Bend (-10ft): 21.8 Leaving Bend (+10ft): 24.6 Min MPH over range: 18.9 at index 1600091	6522.59	65+23	1.24	39.28							
B7	3.0	29	Left	Before u/s w.: 0.4%(0.181) MCSD: 40.7 ID:40.8 mph:7.4 Clk:1 to 7 After d/s w.: 0.4%(0.150) MCSD: 40.7 ID:40.8 mph:1.8 Clk:2 to 8 MPH coming into Bend (-10ft): 8.1 Leaving Bend (+10ft): 8.9 Min MPH over range: 0.0 at index 1702100	7363.12	73+63	1.39	40.28							
B8	3.0	28	Left	Before u/s w.: 1.0%(0.421) MCSD: 40.3 ID:40.8 mph:0.4 Clk:5 to 11 After d/s w.: 0.9%(0.358) MCSD: 40.4 ID:40.8 mph:3.0 Clk:6 to 12 MPH coming into Bend (-10ft): 5.0 Leaving Bend (+10ft): 5.1 Min MPH over range: 0.1 at index 1790595	8109.11	81+09	1.54	39.93							
B9	3.0	29	Left	Before u/s w.: 0.7%(0.284) MCSD: 40.5 ID:40.8 mph:14.0 Clk:1 to 7 After d/s w.: 0.5%(0.226) MCSD: 40.6 ID:40.8 mph:11.8 Clk:6 to 12 MPH coming into Bend (-10ft): 14.1 Leaving Bend (+10ft): 13.9 Min MPH over range: 11.1 at index 1821579	8359.47	83+59	1.58	40.04							
B10	3.0	29	Left	Before u/s w.: 0.7%(0.289) MCSD: 40.5 ID:40.8 mph:0.9 Clk:2 to 8 After d/s w.: 0.8%(0.334) MCSD: 40.5 ID:40.8 mph:2.9 Clk:2 to 8 MPH coming into Bend (-10ft): 3.2 Leaving Bend (+10ft): 4.4 Min MPH over range: 0.2 at index 1836076	8488.32	84+88	1.61	39.82							
B11	3.0	46	Left	Before u/s w.: 0.5%(0.218) MCSD: 40.6 ID:40.8 mph:12.6 Clk:6 to 12 After d/s w.: 0.6%(0.265) MCSD: 40.5 ID:40.8 mph:14.2 Clk:6 to 12 MPH coming into Bend (-10ft): 12.4 Leaving Bend (+10ft): 13.9 Min MPH over range: 10.1 at index 1985523	9735.32	97+35	1.84	40.12							

B12	3.0	71	Right	Before u/s w.: 0.3%(0.115) MCSD: 40.8 ID:40.8 mph:8.1 Clk:2 to 8 After d/s w. : 0.8%(0.340) MCSD: 40.4 ID:40.8 mph:9.8 Clk:2 to 8 MPH coming into Bend (-10ft): 8.4 Leaving Bend (+10ft): 9.7 Min MPH over range: 6.8 at index 2053296	10302.72	103+03	1.95	40.02							
B13	3.0	30	Left	Before u/s w.: 1.2%(0.511) MCSD: 40.3 ID:40.8 mph:6.6 Clk:1 to 7 After d/s w. : 1.0%(0.419) MCSD: 40.4 ID:40.8 mph:3.7 Clk:1 to 7 MPH coming into Bend (-10ft): 6.1 Leaving Bend (+10ft): 8.0 Min MPH over range: 3.7 at index 2166875	11235.09	112+35	2.13	39.72							
B14	3.0	66	Right	Before u/s w.: 0.5%(0.225) MCSD: 40.7 ID:40.8 mph:12.6 Clk:2 to 8 After d/s w. : 1.0%(0.416) MCSD: 40.4 ID:40.8 mph:15.3 Clk:3 to 9 MPH coming into Bend (-10ft): 13.2 Leaving Bend (+10ft): 14.9 Min MPH over range: 11.1 at index 2352327	12791.41	127+91	2.42	39.60							
B15	3.0	25	Right	Before u/s w.: 1.2%(0.494) MCSD: 40.3 ID:40.8 mph:19.7 Clk:3 to 9 After d/s w. : 1.9%(0.779) MCSD: 39.9 ID:40.5 mph:20.8 Clk:3 to 9 MPH coming into Bend (-10ft): 21.4 Leaving Bend (+10ft): 20.4 Min MPH over range: 19.1 at index 2361918	12860.83	128+61	2.44	38.56							
B16	3.0	52	Left	Before u/s w.: 1.3%(0.542) MCSD: 40.3 ID:40.8 mph:7.9 Clk:6 to 12 After d/s w. : 0.9%(0.397) MCSD: 40.4 ID:40.8 mph:7.3 Clk:6 to 12 MPH coming into Bend (-10ft): 7.2 Leaving Bend (+10ft): 7.8 Min MPH over range: 6.0 at index 2457866	13669.94	136+70	2.59	39.86							
B17	3.0	24	Left	Before u/s w.: 0.5%(0.205) MCSD: 40.7 ID:40.8 mph:0.2 Clk:1 to 7 After d/s w. : 0.5%(0.227) MCSD: 40.6 ID:40.8 mph:3.2 Clk:2 to 8 MPH coming into Bend (-10ft): 6.6 Leaving Bend (+10ft): 10.8 Min MPH over range: 0.0 at index 2603380	14881.97	148+82	2.82	40.03							

B18	3.0	20	Right	Before u/s w.: 0.9%(0.372) MCSD: 40.5 ID:40.8 mph:2.8 Clk:5 to 11 After d/s w. : 0.7%(0.299) MCSD: 40.6 ID:40.8 mph:3.7 Clk:5 to 11 MPH coming into Bend (-10ft): 1.8 Leaving Bend (+10ft): 5.0 Min MPH over range: 1.6 at index 2664383	15396.77	153+97	2.92	39.78						
B19	3.0	30	Left	Before u/s w.: 0.8%(0.345) MCSD: 40.5 ID:40.8 mph:9.0 Clk:6 to 12 After d/s w. : 0.6%(0.258) MCSD: 40.6 ID:40.8 mph:8.3 Clk:6 to 12 MPH coming into Bend (-10ft): 9.2 Leaving Bend (+10ft): 10.4 Min MPH over range: 7.4 at index 2679714	15518.94	155+19	2.94	40.03						
B20	3.0	53	Right	Before u/s w.: 0.7%(0.304) MCSD: 40.5 ID:40.8 mph:5.4 Clk:2 to 8 After d/s w. : 0.8%(0.333) MCSD: 40.5 ID:40.8 mph:8.1 Clk:2 to 8 MPH coming into Bend (-10ft): 7.6 Leaving Bend (+10ft): 9.3 Min MPH over range: 4.8 at index 2776535	16326.67	163+27	3.09	40.10						
B21	3.0	19	Up	Before u/s w.: 0.6%(0.235) MCSD: 40.4 ID:40.5 mph:4.4 Clk:3 to 9 After d/s w. : 0.3%(0.141) MCSD: 40.5 ID:40.5 mph:1.6 Clk:6 to 12 MPH coming into Bend (-10ft): 6.3 Leaving Bend (+10ft): 6.6 Min MPH over range: 0.0 at index 2871522	17108.57	171+09	3.24	39.91						
B22	3.0	12	Down	Before u/s w.: 0.6%(0.266) MCSD: 40.4 ID:40.5 mph:7.4 Clk:2 to 8 After d/s w. : 0.9%(0.362) MCSD: 40.3 ID:40.5 mph:10.0 Clk:3 to 9 MPH coming into Bend (-10ft): 2.9 Leaving Bend (+10ft): 9.3 Min MPH over range: 2.9 at index 2871613	17122.89	171+23	3.24	39.97						
B23	3.0	58	Right	Before u/s w.: 0.7%(0.278) MCSD: 40.4 ID:40.5 mph:11.2 Clk:3 to 9 After d/s w. : 0.7%(0.302) MCSD: 40.4 ID:40.5 mph:14.3 Clk:2 to 8 MPH coming into Bend (-10ft): 10.5 Leaving Bend (+10ft): 13.5 Min MPH over range: 9.1 at index 2874034	17140.25	171+40	3.25	39.94						

B24	3.0	20	Up	Before u/s w.: 0.9%(0.359) MCSD: 40.2 ID:40.5 mph:9.4 Clk:3 to 9 After d/s w. : 1.2%(0.523) MCSD: 40.1 ID:40.5 mph:3.6 Clk:3 to 9 MPH coming into Bend (-10ft): 14.3 Leaving Bend (+10ft): 5.3 Min MPH over range: 3.6 at index 2878371	17165.27	171+65	3.25	39.69							
B25	3.0	39	Up-Left	Before u/s w.: 0.5%(0.201) MCSD: 40.4 ID:40.5 mph:0.1 Clk:1 to 7 After d/s w. : 1.1%(0.481) MCSD: 40.1 ID:40.5 mph:0.3 Clk:5 to 11 MPH coming into Bend (-10ft): 0.0 Leaving Bend (+10ft): 1.0 Min MPH over range: 0.0 at index 2906016	17404.62	174+05	3.30	39.91							
B26	3.0	34	Right	Before u/s w.: 0.4%(0.173) MCSD: 40.6 ID:40.8 mph:19.0 Clk:3 to 9 After d/s w. : 0.2%(0.069) MCSD: 40.7 ID:40.8 mph:21.5 Clk:2 to 8 MPH coming into Bend (-10ft): 21.5 Leaving Bend (+10ft): 21.9 Min MPH over range: 18.6 at index 3095374	18984.20	189+84	3.60	38.85							
B27	3.0	82	Left	Before u/s w.: 1.0%(0.431) MCSD: 40.4 ID:40.8 mph:9.1 Clk:4 to 10 After d/s w. : 0.7%(0.289) MCSD: 40.6 ID:40.8 mph:7.6 Clk:1 to 7 MPH coming into Bend (-10ft): 8.5 Leaving Bend (+10ft): 7.5 Min MPH over range: 6.1 at index 3284055	20543.51	205+44	3.89	39.92							
B28	25.0	12	Down-		21305.58	213+06	4.04	39.98							
B29	27.0	6	Left		21554.53	215+55	4.08	40.46							
B30	3.0	18	Up	Before u/s w.: 1.2%(0.512) MCSD: 39.9 ID:40.2 mph:17.3 Clk:3 to 9 After d/s w. : 1.5%(0.632) MCSD: 39.7 ID:40.2 mph:15.5 Clk:3 to 9 MPH coming into Bend (-10ft): 19.3 Leaving Bend (+10ft): 16.6 Min MPH over range: 14.8 at index 3484189	22214.56	222+15	4.21	39.47							
B31	3.0	25	Left	Before u/s w.: 0.7%(0.283) MCSD: 40.4 ID:40.5 mph:8.3 Clk:3 to 9 After d/s w. : 1.2%(0.498) MCSD: 40.1 ID:40.5 mph:9.8 Clk:3 to 9 MPH coming into Bend (-10ft): 5.5 Leaving Bend (+10ft): 9.5 Min MPH over range: 5.4 at index 3494812	22310.82	223+11	4.23	39.81							

B32	3.0	46	Left	Before u/s w.: 0.7%(0.307) MCSD: 40.3 ID:40.5 mph:9.7 Clk:4 to 10 After d/s w.: 1.1%(0.458) MCSD: 40.2 ID:40.5 mph:6.7 Clk:3 to 9 MPH coming into Bend (-10ft): 9.7 Leaving Bend (+10ft): 7.1 Min MPH over range: 6.7 at index 3499024	22334.77	223+35	4.23	39.82						
B33	3.0	74	Right	Before u/s w.: 0.5%(0.196) MCSD: 40.5 ID:40.8 mph:8.1 Clk:2 to 8 After d/s w.: 0.4%(0.185) MCSD: 40.5 ID:40.5 mph:6.1 Clk:2 to 8 MPH coming into Bend (-10ft): 7.0 Leaving Bend (+10ft): 6.3 Min MPH over range: 3.8 at index 3499686	22355.07	223+55	4.23	40.19						
B34	3.0	23	Up	Before u/s w.: 0.8%(0.338) MCSD: 40.3 ID:40.5 mph:0.8 Clk:3 to 9 After d/s w.: 0.9%(0.360) MCSD: 40.3 ID:40.5 mph:2.5 Clk:3 to 9 MPH coming into Bend (-10ft): 0.1 Leaving Bend (+10ft): 4.1 Min MPH over range: 0.0 at index 3519710	22518.24	225+18	4.26	39.84						
B35	3.0	22	Down	Before u/s w.: 1.1%(0.445) MCSD: 40.2 ID:40.5 mph:9.6 Clk:3 to 9 After d/s w.: 1.0%(0.435) MCSD: 40.2 ID:40.5 mph:11.7 Clk:2 to 8 MPH coming into Bend (-10ft): 6.2 Leaving Bend (+10ft): 13.1 Min MPH over range: 6.2 at index 3522179	22544.52	225+45	4.27	39.35						
B36	3.0	23	Down-Left	Before u/s w.: 0.7%(0.291) MCSD: 40.5 ID:40.8 mph:21.9 Clk:4 to 10 After d/s w.: 1.1%(0.451) MCSD: 40.3 ID:40.8 mph:19.3 Clk:4 to 10 MPH coming into Bend (-10ft): 21.6 Leaving Bend (+10ft): 21.2 Min MPH over range: 18.8 at index 3658205	23663.44	236+63	4.48	39.34						
B37	3.0	26	Left	Before u/s w.: 1.1%(0.442) MCSD: 40.3 ID:40.8 mph:23.6 Clk:4 to 10 After d/s w.: 0.8%(0.318) MCSD: 40.4 ID:40.8 mph:23.5 Clk:3 to 9 MPH coming into Bend (-10ft): 25.4 Leaving Bend (+10ft): 24.5 Min MPH over range: 21.0 at index 3728871	24252.01	242+52	4.59	38.67						

B38	3.0	62	Left	Before u/s w.: 0.4%(0.182) MCSD: 40.7 ID:40.8 mph:13.0 Clk:3 to 9 After d/s w.: 1.7%(0.718) MCSD: 40.2 ID:40.8 mph:16.9 Clk:3 to 9 MPH coming into Bend (-10ft): 13.0 Leaving Bend (+10ft): 17.8 Min MPH over range: 12.7 at index 3857967	25347.62	253+48	4.80	39.90							
B39	3.0	31	Right	Before u/s w.: 0.8%(0.323) MCSD: 40.5 ID:40.8 mph:13.6 Clk:3 to 9 After d/s w.: 1.1%(0.444) MCSD: 40.4 ID:40.8 mph:13.4 Clk:4 to 10 MPH coming into Bend (-10ft): 13.7 Leaving Bend (+10ft): 14.7 Min MPH over range: 12.6 at index 3919657	25856.79	258+57	4.90	39.35							
B40	3.0	23	Right	Before u/s w.: 1.6%(0.654) MCSD: 40.2 ID:40.8 mph:18.6 Clk:5 to 11 After d/s w.: 1.6%(0.660) MCSD: 40.2 ID:40.8 mph:18.4 Clk:4 to 10 MPH coming into Bend (-10ft): 20.6 Leaving Bend (+10ft): 19.5 Min MPH over range: 15.3 at index 3947104	26077.32	260+77	4.94	39.13							
B41	3.0	25	Right	Before u/s w.: 0.8%(0.355) MCSD: 40.3 ID:40.5 mph:2.2 Clk:2 to 8 After d/s w.: 0.8%(0.344) MCSD: 40.4 ID:40.8 mph:8.6 Clk:2 to 8 MPH coming into Bend (-10ft): 0.2 Leaving Bend (+10ft): 11.9 Min MPH over range: 0.0 at index 4076647	27161.64	271+62	5.14	39.52							
B42	3.0	59	Down-Left	Before u/s w.: 0.7%(0.299) MCSD: 40.6 ID:40.8 mph:7.1 Clk:4 to 10 After d/s w.: 0.6%(0.231) MCSD: 40.6 ID:40.8 mph:7.0 Clk:3 to 9 MPH coming into Bend (-10ft): 4.3 Leaving Bend (+10ft): 8.9 Min MPH over range: 4.1 at index 4111904	27457.08	274+57	5.20	39.88							
B43	3.0	35	Right	Before u/s w.: 0.6%(0.244) MCSD: 40.4 ID:40.5 mph:9.1 Clk:6 to 12 After d/s w.: 0.5%(0.212) MCSD: 40.5 ID:40.5 mph:8.0 Clk:6 to 12 MPH coming into Bend (-10ft): 11.7 Leaving Bend (+10ft): 7.6 Min MPH over range: 6.9 at index 4123740	27539.12	275+39	5.22	39.69							

B44	3.0	24	Right	Before u/s w.: 0.3%(0.141) MCSD: 40.5 ID:40.5 mph:8.6 Clk:4 to 10 After d/s w. : 1.5%(0.610) MCSD: 39.9 ID:40.5 mph:10.1 Clk:6 to 12 MPH coming into Bend (-10ft): 8.6 Leaving Bend (+10ft): 11.5 Min MPH over range: 7.8 at index 4191114	28110.80	281+11	5.32	39.75							
B45	3.0	48	Left	Before u/s w.: 0.6%(0.262) MCSD: 40.1 ID:40.2 mph:25.2 Clk:3 to 9 After d/s w. : 1.0%(0.409) MCSD: 39.9 ID:40.2 mph:23.6 Clk:2 to 8 MPH coming into Bend (-10ft): 26.4 Leaving Bend (+10ft): 26.5 Min MPH over range: 23.0 at index 4227532	28405.05	284+05	5.38	38.72							
B46	3.0	47	Up	Before u/s w.: 1.1%(0.452) MCSD: 40.3 ID:40.8 mph:14.9 Clk:1 to 7 After d/s w. : 1.0%(0.437) MCSD: 40.2 ID:40.5 mph:12.3 Clk:2 to 8 MPH coming into Bend (-10ft): 18.2 Leaving Bend (+10ft): 11.4 Min MPH over range: 11.3 at index 4258266	28658.45	286+58	5.43	39.73							
B47	3.0	21	Down-Left	Before u/s w.: 0.5%(0.213) MCSD: 40.5 ID:40.5 mph:8.9 Clk:2 to 8 After d/s w. : 0.6%(0.261) MCSD: 40.3 ID:40.5 mph:6.0 Clk:4 to 10 MPH coming into Bend (-10ft): 8.7 Leaving Bend (+10ft): 2.4 Min MPH over range: 2.4 at index 4261214	28685.49	286+85	5.43	40.05							
B48	3.0	21	Down	Before u/s w.: 0.8%(0.319) MCSD: 40.5 ID:40.8 mph:14.9 Clk:2 to 8 After d/s w. : 0.7%(0.302) MCSD: 40.6 ID:40.8 mph:15.1 Clk:1 to 7 MPH coming into Bend (-10ft): 13.9 Leaving Bend (+10ft): 17.7 Min MPH over range: 13.7 at index 4288734	28933.11	289+33	5.48	39.67							
B49	3.0	45	Up-Left	Before u/s w.: 1.1%(0.467) MCSD: 39.9 ID:40.2 mph:26.6 Clk:2 to 8 After d/s w. : 1.3%(0.555) MCSD: 39.7 ID:40.2 mph:21.5 Clk:2 to 8 MPH coming into Bend (-10ft): 26.4 Leaving Bend (+10ft): 21.9 Min MPH over range: 21.5 at index 4373680	29623.98	296+24	5.61	38.96							

B50	3.0	23	Right	Before u/s w.: 1.1%(0.447) MCSD: 39.9 ID:40.2 mph:17.1 Clk:2 to 8 After d/s w.: 0.8%(0.352) MCSD: 40.0 ID:40.2 mph:18.2 Clk:2 to 8 MPH coming into Bend (-10ft): 17.4 Leaving Bend (+10ft): 17.1 Min MPH over range: 15.3 at index 4379040	29677.09	296+77	5.62	39.64							
B51	3.0	109	Up	Before u/s w.: 1.6%(0.657) MCSD: 39.8 ID:40.2 mph:2.6 Clk:4 to 10 After d/s w.: 1.7%(0.695) MCSD: 39.7 ID:40.2 mph:3.1 Clk:3 to 9 MPH coming into Bend (-10ft): 7.6 Leaving Bend (+10ft): 4.6 Min MPH over range: 0.0 at index 4395606	29810.29	298+10	5.65	38.90							
B52	3.0	17	Down-Right	Before u/s w.: 0.5%(0.203) MCSD: 40.7 ID:40.8 mph:3.3 Clk:1 to 7 After d/s w.: 1.6%(0.664) MCSD: 40.1 ID:40.8 mph:8.5 Clk:3 to 9 MPH coming into Bend (-10ft): 3.1 Leaving Bend (+10ft): 8.5 Min MPH over range: 2.0 at index 4440471	30198.21	301+98	5.72	39.91							
B53	3.0	35	Right	Before u/s w.: 0.3%(0.133) MCSD: 40.7 ID:40.8 mph:21.0 Clk:5 to 11 After d/s w.: 0.4%(0.184) MCSD: 40.5 ID:40.5 mph:19.3 Clk:6 to 12 MPH coming into Bend (-10ft): 22.1 Leaving Bend (+10ft): 19.6 Min MPH over range: 17.3 at index 4605452	31555.14	315+55	5.98	39.49							
B54	3.0	28	Up	Before u/s w.: 0.8%(0.349) MCSD: 40.3 ID:40.5 mph:1.2 Clk:3 to 9 After d/s w.: 0.6%(0.244) MCSD: 40.4 ID:40.5 mph:1.1 Clk:3 to 9 MPH coming into Bend (-10ft): 7.6 Leaving Bend (+10ft): 3.7 Min MPH over range: 0.1 at index 4710249	32432.39	324+32	6.14	39.89							
B55	3.0	43	Up-Left	Before u/s w.: 1.1%(0.455) MCSD: 40.3 ID:40.8 mph:0.3 Clk:3 to 9 After d/s w.: 0.7%(0.298) MCSD: 40.3 ID:40.5 mph:0.6 Clk:3 to 9 MPH coming into Bend (-10ft): 0.1 Leaving Bend (+10ft): 1.4 Min MPH over range: 0.0 at index 4716187	32489.64	324+90	6.15	39.66							

B56	3.0	14	Down	Before u/s w.: 0.9%(0.375) MCSD: 40.2 ID:40.5 mph:9.1 Clk:4 to 10 After d/s w.: 1.0%(0.431) MCSD: 40.2 ID:40.5 mph:10.1 Clk:3 to 9 MPH coming into Bend (-10ft): 6.0 Leaving Bend (+10ft): 11.2 Min MPH over range: 5.8 at index 4722738	32548.46	325+48	6.16	39.72						
B57	3.0	87	Left	Before u/s w.: 0.8%(0.354) MCSD: 40.5 ID:40.8 mph:21.9 Clk:5 to 11 After d/s w.: 0.0%(-0.144) MCSD: 40.6 ID:40.5 mph:20.4 Clk:6 to 12 MPH coming into Bend (-10ft): 22.7 Leaving Bend (+10ft): 20.4 Min MPH over range: 20.4 at index 4808897	33246.56	332+47	6.30	38.80						
B58	3.0	53	Left	Before u/s w.: 0.4%(0.165) MCSD: 40.7 ID:40.8 mph:12.3 Clk:3 to 9 After d/s w.: 0.8%(0.339) MCSD: 40.6 ID:40.8 mph:1.0 Clk:3 to 9 MPH coming into Bend (-10ft): 12.1 Leaving Bend (+10ft): 5.9 Min MPH over range: 0.0 at index 5048601	35247.63	352+48	6.68	39.84						
B59	3.0	23	Left	Before u/s w.: 0.6%(0.238) MCSD: 40.7 ID:40.8 mph:1.2 Clk:2 to 8 After d/s w.: 0.6%(0.247) MCSD: 40.7 ID:40.8 mph:1.0 Clk:2 to 8 MPH coming into Bend (-10ft): 6.7 Leaving Bend (+10ft): 6.6 Min MPH over range: 0.0 at index 5162264	36198.42	361+98	6.86	40.26						
B60	3.0	16	Down-Left	Before u/s w.: 1.0%(0.419) MCSD: 40.3 ID:40.5 mph:4.8 Clk:3 to 9 After d/s w.: 1.0%(0.428) MCSD: 40.2 ID:40.5 mph:8.5 Clk:3 to 9 MPH coming into Bend (-10ft): 4.2 Leaving Bend (+10ft): 10.3 Min MPH over range: 2.6 at index 5263184	37046.99	370+47	7.02	39.71						
B61	3.0	20	Up	Before u/s w.: 0.8%(0.320) MCSD: 40.3 ID:40.5 mph:8.7 Clk:3 to 9 After d/s w.: 0.5%(0.202) MCSD: 40.4 ID:40.5 mph:8.1 Clk:3 to 9 MPH coming into Bend (-10ft): 11.2 Leaving Bend (+10ft): 7.5 Min MPH over range: 7.5 at index 5268468	37078.00	370+78	7.02	39.95						

B62	3.0	43	Right	Before u/s w.: 0.3%(0.138) MCSD: 40.5 ID:40.5 mph:0.5 Clk:3 to 9 After d/s w.: 0.5%(0.197) MCSD: 40.5 ID:40.5 mph:0.4 Clk:3 to 9 MPH coming into Bend (-10ft): 0.9 Leaving Bend (+10ft): 1.3 Min MPH over range: 0.0 at index 5297024	37331.14	373+31	7.07	40.02						
B63	3.0	29	Right	Before u/s w.: 0.5%(0.190) MCSD: 40.5 ID:40.5 mph:0.9 Clk:1 to 7 After d/s w.: 0.7%(0.295) MCSD: 40.4 ID:40.5 mph:0.3 Clk:2 to 8 MPH coming into Bend (-10ft): 0.8 Leaving Bend (+10ft): 1.8 Min MPH over range: 0.0 at index 5301537	37358.11	373+58	7.08	39.91						
B64	3.0	54	Left	Before u/s w.: 1.1%(0.472) MCSD: 40.4 ID:40.8 mph:19.7 Clk:6 to 12 After d/s w.: 0.2%(0.089) MCSD: 40.6 ID:40.5 mph:17.0 Clk:4 to 10 MPH coming into Bend (-10ft): 19.6 Leaving Bend (+10ft): 19.6 Min MPH over range: 16.6 at index 5390137	38091.86	380+92	7.21	39.60						
B65	3.0	62	Right	Before u/s w.: 0.9%(0.366) MCSD: 40.5 ID:40.8 mph:8.2 Clk:3 to 9 After d/s w.: 0.9%(0.386) MCSD: 40.5 ID:40.8 mph:10.5 Clk:3 to 9 MPH coming into Bend (-10ft): 8.4 Leaving Bend (+10ft): 11.1 Min MPH over range: 6.8 at index 5727541	40920.42	409+20	7.75	39.81						
B66	3.0	13	Right	Before u/s w.: 0.2%(0.101) MCSD: 40.3 ID:40.2 mph:3.1 Clk:4 to 10 After d/s w.: 0.6%(0.244) MCSD: 40.1 ID:40.2 mph:10.0 Clk:5 to 11 MPH coming into Bend (-10ft): 6.5 Leaving Bend (+10ft): 11.5 Min MPH over range: 1.3 at index 6004111	43220.60	432+21	8.19	39.90						
B67	3.0	42	Left	Before u/s w.: 0.7%(0.294) MCSD: 40.4 ID:40.8 mph:7.9 Clk:1 to 7 After d/s w.: 0.5%(0.222) MCSD: 40.4 ID:40.5 mph:6.8 Clk:6 to 12 MPH coming into Bend (-10ft): 6.8 Leaving Bend (+10ft): 6.8 Min MPH over range: 6.0 at index 6043094	43548.26	435+48	8.25	39.78						

B68	3.0	30	Left	Before u/s w.: 0.5%(0.192) MCSD: 40.7 ID:40.8 mph:11.8 Clk:6 to 12 After d/s w.: 0.6%(0.233) MCSD: 40.6 ID:40.8 mph:8.3 Clk:4 to 10 MPH coming into Bend (-10ft): 12.2 Leaving Bend (+10ft): 11.1 Min MPH over range: 7.9 at index 6297078	45654.31	456+54	8.65	40.19							
B69	3.0	30	Left	Before u/s w.: 0.7%(0.304) MCSD: 40.6 ID:40.8 mph:8.5 Clk:3 to 9 After d/s w.: 0.7%(0.313) MCSD: 40.6 ID:40.8 mph:4.8 Clk:2 to 8 MPH coming into Bend (-10ft): 9.3 Leaving Bend (+10ft): 9.1 Min MPH over range: 4.8 at index 6455441	46973.17	469+73	8.90	40.05							
B70	3.0	51	Left	Before u/s w.: 0.6%(0.246) MCSD: 40.7 ID:40.8 mph:6.2 Clk:1 to 7 After d/s w.: 0.5%(0.222) MCSD: 40.6 ID:40.8 mph:9.0 Clk:3 to 9 MPH coming into Bend (-10ft): 5.4 Leaving Bend (+10ft): 9.2 Min MPH over range: 4.7 at index 6482306	47209.61	472+10	8.94	40.29							
B71	28.0	5	Down		47319.48	473+19	8.96	40.36							
B72	24.0	5	Down		47358.25	473+58	8.97	40.39							
B73	22.0	8	Up-Right		47516.61	475+17	9.00	40.38							
B74	16.0	8	Right	Before u/s w.: 0.5%(0.206) MCSD: 40.7 ID:40.8 mph:9.0 Clk:4 to 10 After d/s w.: 0.3%(0.110) MCSD: 40.8 ID:40.8 mph:1.0 Clk:4 to 10 MPH coming into Bend (-10ft): 1.6 Leaving Bend (+10ft): 0.9 Min MPH over range: 0.0 at index 6531495	47607.26	476+07	9.02	40.34							
B75	24.0	9	Down-Right	Before u/s w.: 6.5%(2.713) MCSD: 38.1 ID:40.8 mph:8.3 Clk:6 to 12 After d/s w.: 0.2%(0.094) MCSD: 40.7 ID:40.8 mph:12.7 Clk:2 to 8 MPH coming into Bend (-10ft): 8.1 Leaving Bend (+10ft): 10.1 Min MPH over range: 6.7 at index 6540583	47713.36	477+13	9.04	40.35							
B76	3.0	20	Up	Before u/s w.: 0.3%(0.114) MCSD: 40.8 ID:40.8 mph:12.0 Clk:5 to 11 After d/s w.: 0.9%(0.385) MCSD: 40.5 ID:40.8 mph:9.1 Clk:6 to 12 MPH coming into Bend (-10ft): 13.1 Leaving Bend (+10ft): 8.9 Min MPH over range: 7.6 at index 6548953	47754.36	477+54	9.04	40.05							
B77	21.0	14	Up		47833.97	478+34	9.06	39.82							

B78	21.0	9	Right	Before u/s w.: 4.6%(1.934) MCSD: 38.9 ID:40.8 mph:1.2 Clk:6 to 12 After d/s w. : 0.6%(0.255) MCSD: 40.5 ID:40.8 mph:6.4 Clk:5 to 11 MPH coming into Bend (-10ft): 1.2 Leaving Bend (+10ft): 3.7 Min MPH over range: 1.0 at index 6565323	47915.88	479+16	9.07	40.24							
B79	24.0	5	Left		48422.96	484+23	9.17	39.99							
B80	3.0	32	Left	Before u/s w.: 0.8%(0.329) MCSD: 40.6 ID:40.8 mph:17.9 Clk:5 to 11 After d/s w. : 1.6%(0.655) MCSD: 40.1 ID:40.8 mph:15.6 Clk:2 to 8 MPH coming into Bend (-10ft): 17.5 Leaving Bend (+10ft): 16.9 Min MPH over range: 12.9 at index 6681361	48854.71	488+55	9.25	39.48							
B81	22.0	6	Up-Right		49244.06	492+44	9.33	40.29							
B82	24.0	7	Right		49340.15	493+40	9.34	40.11							
B83	23.0	11	Right		49482.46	494+82	9.37	40.06							
B84	22.0	12	Right		49523.09	495+23	9.38	40.01							
B85	25.0	7	Right		49598.76	495+99	9.39	40.33							
B86	23.0	11	Down-Left		49743.99	497+44	9.42	40.30							
B87	3.0	30	Right	Before u/s w.: 0.5%(0.204) MCSD: 40.8 ID:40.8 mph:3.5 Clk:4 to 10 After d/s w. : 0.6%(0.272) MCSD: 40.7 ID:40.8 mph:1.6 Clk:4 to 10 MPH coming into Bend (-10ft): 6.3 Leaving Bend (+10ft): 7.5 Min MPH over range: 0.0 at index 6886880	50574.31	505+74	9.58	40.08							
B88	3.0	20	Down-Left	Before u/s w.: 0.4%(0.159) MCSD: 40.7 ID:40.8 mph:9.1 Clk:4 to 10 After d/s w. : 0.8%(0.318) MCSD: 40.4 ID:40.8 mph:10.2 Clk:5 to 11 MPH coming into Bend (-10ft): 9.2 Leaving Bend (+10ft): 10.3 Min MPH over range: 7.8 at index 6941350	51031.84	510+32	9.67	40.24							
B89	3.0	45	Left	Before u/s w.: 0.4%(0.188) MCSD: 40.7 ID:40.8 mph:12.0 Clk:1 to 7 After d/s w. : 0.5%(0.204) MCSD: 40.7 ID:40.8 mph:10.1 Clk:2 to 8 MPH coming into Bend (-10ft): 12.9 Leaving Bend (+10ft): 11.0 Min MPH over range: 9.4 at index 6949390	51090.72	510+91	9.68	40.31							

B90	3.0	71	Right	Before u/s w.: 0.6%(0.232) MCSD: 40.7 ID:40.8 mph:11.0 Clk:2 to 8 After d/s w. : 0.7%(0.280) MCSD: 40.6 ID:40.8 mph:12.7 Clk:4 to 10 MPH coming into Bend (-10ft): 11.0 Leaving Bend (+10ft): 13.0 Min MPH over range: 9.6 at index 7064429	52061.54	520+62	9.86	39.60							
B91	3.0	27	Right	Before u/s w.: 0.6%(0.238) MCSD: 40.7 ID:40.8 mph:12.7 Clk:6 to 12 After d/s w. : 0.5%(0.227) MCSD: 40.8 ID:40.8 mph:9.6 Clk:1 to 7 MPH coming into Bend (-10ft): 13.5 Leaving Bend (+10ft): 12.2 Min MPH over range: 8.8 at index 7158240	52837.82	528+38	10.01	40.10							
B92	3.0	23	Left	Before u/s w.: 0.8%(0.344) MCSD: 40.6 ID:40.8 mph:7.5 Clk:4 to 10 After d/s w. : 0.7%(0.303) MCSD: 40.6 ID:40.8 mph:6.9 Clk:4 to 10 MPH coming into Bend (-10ft): 7.4 Leaving Bend (+10ft): 8.1 Min MPH over range: 6.6 at index 7262250	53698.53	536+99	10.17	40.15							
B93	24.0	6	Up		53840.81	538+41	10.20	39.94							
B94	3.0	54	Right	Before u/s w.: 0.5%(0.208) MCSD: 40.6 ID:40.8 mph:10.9 Clk:3 to 9 After d/s w. : 0.7%(0.280) MCSD: 40.6 ID:40.8 mph:10.0 Clk:5 to 11 MPH coming into Bend (-10ft): 10.4 Leaving Bend (+10ft): 10.6 Min MPH over range: 7.6 at index 7295889	53986.21	539+86	10.22	40.01							
B95	3.0	54	Right	Before u/s w.: 0.4%(0.167) MCSD: 40.7 ID:40.8 mph:10.9 Clk:3 to 9 After d/s w. : 0.6%(0.239) MCSD: 40.7 ID:40.8 mph:10.0 Clk:5 to 11 MPH coming into Bend (-10ft): 10.4 Leaving Bend (+10ft): 10.6 Min MPH over range: 7.6 at index 7295889	53987.35	539+87	10.22	40.12							
B96	20.0	14	Down		54034.33	540+34	10.23	38.47							
B97	23.0	13	Left		54120.48	541+20	10.25	40.15							
B98	26.0	7	Left		54191.46	541+91	10.26	40.16							
B99	27.0	11	Down-Left		54231.68	542+32	10.27	40.09							
B100	24.0	13	Left		54272.51	542+73	10.28	39.95							

B101	3.0	30	Left	Before u/s w.: 0.7%(0.301) MCSD: 40.6 ID:40.8 mph:10.7 Clk:6 to 12 After d/s w.: 0.6%(0.237) MCSD: 40.7 ID:40.8 mph:5.0 Clk:6 to 12 MPH coming into Bend (-10ft): 10.2 Leaving Bend (+10ft): 6.3 Min MPH over range: 5.0 at index 7389162	54754.15	547+54	10.37	40.13							
B102	3.0	28	Up	Before u/s w.: 0.8%(0.338) MCSD: 40.4 ID:40.8 mph:12.1 Clk:3 to 9 After d/s w.: 0.9%(0.387) MCSD: 40.3 ID:40.5 mph:6.0 Clk:3 to 9 MPH coming into Bend (-10ft): 12.7 Leaving Bend (+10ft): 6.6 Min MPH over range: 6.0 at index 7430603	55099.47	550+99	10.44	39.88							
B103	3.0	11	Down-Right	Before u/s w.: 1.5%(0.637) MCSD: 40.1 ID:40.8 mph:7.6 Clk:2 to 8 After d/s w.: 1.0%(0.429) MCSD: 40.2 ID:40.5 mph:8.0 Clk:2 to 8 MPH coming into Bend (-10ft): 8.0 Leaving Bend (+10ft): 9.4 Min MPH over range: 5.8 at index 7481671	55528.81	555+29	10.52	39.40							
B104	3.0	41	Up	Before u/s w.: 0.8%(0.346) MCSD: 40.4 ID:40.8 mph:8.2 Clk:3 to 9 After d/s w.: 0.8%(0.345) MCSD: 40.4 ID:40.8 mph:5.6 Clk:5 to 11 MPH coming into Bend (-10ft): 8.3 Leaving Bend (+10ft): 3.9 Min MPH over range: 3.9 at index 7484597	55544.81	555+45	10.52	39.96							
B105	3.0	76	Right	Before u/s w.: 0.7%(0.296) MCSD: 40.4 ID:40.8 mph:0.0 Clk:5 to 11 After d/s w.: 1.4%(0.575) MCSD: 40.1 ID:40.5 mph:0.4 Clk:4 to 10 MPH coming into Bend (-10ft): 0.0 Leaving Bend (+10ft): 1.0 Min MPH over range: 0.0 at index 7502232	55708.96	557+09	10.55	39.55							
B106	3.0	8	Down-Right	Before u/s w.: 1.1%(0.459) MCSD: 40.2 ID:40.5 mph:13.0 Clk:5 to 11 After d/s w.: 0.9%(0.385) MCSD: 40.3 ID:40.5 mph:12.6 Clk:5 to 11 MPH coming into Bend (-10ft): 13.6 Leaving Bend (+10ft): 15.7 Min MPH over range: 12.4 at index 7520024	55851.97	558+52	10.58	39.77							

B107	3.0	30	Up-Left	Before u/s w.: 1.6%(0.660) MCSD: 40.1 ID:40.8 mph:19.1 Clk:2 to 8 After d/s w. : 1.9%(0.744) MCSD: 39.8 ID:40.5 mph:18.3 Clk:2 to 8 MPH coming into Bend (-10ft): 19.4 Leaving Bend (+10ft): 16.9 Min MPH over range: 16.9 at index 7567580	56235.75	562+36	10.65	39.24						
B108	23.0	11	Up-Left		56424.07	564+24	10.69	40.21						
B109	27.0	11	Down-		56608.52	566+09	10.72	40.18						
B110	3.0	32	Right	Before u/s w.: 1.1%(0.474) MCSD: 40.4 ID:40.8 mph:16.0 Clk:6 to 12 After d/s w. : 0.9%(0.388) MCSD: 40.3 ID:40.8 mph:17.1 Clk:5 to 11 MPH coming into Bend (-10ft): 19.0 Leaving Bend (+10ft): 18.6 Min MPH over range: 15.9 at index 7619171	56681.18	566+81	10.74	39.25						
B111	3.0	40	Right	Before u/s w.: 0.9%(0.397) MCSD: 40.5 ID:40.8 mph:13.8 Clk:4 to 10 After d/s w. : 1.4%(0.578) MCSD: 40.3 ID:40.8 mph:13.5 Clk:4 to 10 MPH coming into Bend (-10ft): 13.4 Leaving Bend (+10ft): 14.2 Min MPH over range: 11.3 at index 7684336	57229.50	572+29	10.84	39.75						
B112	25.0	10	Left		57465.44	574+65	10.88	40.12						
B113	24.0	11	Left		57507.90	575+08	10.89	40.17						
B114	27.0	5	Down-		57842.50	578+43	10.96	39.46						
B115	3.0	23	Right	Before u/s w.: 1.4%(0.577) MCSD: 40.3 ID:40.8 mph:10.1 Clk:4 to 10 After d/s w. : 1.4%(0.584) MCSD: 40.3 ID:40.8 mph:10.2 Clk:4 to 10 MPH coming into Bend (-10ft): 9.4 Leaving Bend (+10ft): 10.9 Min MPH over range: 8.8 at index 7761942	57874.65	578+75	10.96	39.98						
B116	3.0	45	Left	Before u/s w.: 0.6%(0.248) MCSD: 40.7 ID:40.8 mph:16.0 Clk:2 to 8 After d/s w. : 0.6%(0.237) MCSD: 40.6 ID:40.8 mph:15.7 Clk:2 to 8 MPH coming into Bend (-10ft): 15.9 Leaving Bend (+10ft): 17.4 Min MPH over range: 14.6 at index 7787816	58087.75	580+88	11.00	39.20						

B117	3.0	23	Down-Left	Before u/s w.: 1.8%(0.737) MCSD: 40.2 ID:40.8 mph:8.6 Clk:3 to 9 After d/s w.: 1.8%(0.768) MCSD: 40.2 ID:40.8 mph:9.0 Clk:3 to 9 MPH coming into Bend (-10ft): 7.4 Leaving Bend (+10ft): 9.8 Min MPH over range: 7.1 at index 7836054	58492.83	584+93	11.08	39.55							
B118	3.0	25	Right	Before u/s w.: 1.8%(0.747) MCSD: 40.0 ID:40.8 mph:15.4 Clk:3 to 9 After d/s w.: 1.8%(0.743) MCSD: 39.9 ID:40.8 mph:16.3 Clk:3 to 9 MPH coming into Bend (-10ft): 17.8 Leaving Bend (+10ft): 16.7 Min MPH over range: 14.0 at index 7848935	58592.55	585+93	11.10	39.15							
B119	3.0	23	Left	Before u/s w.: 0.9%(0.396) MCSD: 40.5 ID:40.8 mph:6.6 Clk:3 to 9 After d/s w.: 1.2%(0.525) MCSD: 40.3 ID:40.8 mph:6.0 Clk:3 to 9 MPH coming into Bend (-10ft): 6.1 Leaving Bend (+10ft): 7.2 Min MPH over range: 5.5 at index 7904017	59059.15	590+59	11.19	40.02							
B120	3.0	59	Right	Before u/s w.: 1.1%(0.450) MCSD: 40.6 ID:40.8 mph:3.2 Clk:3 to 9 After d/s w.: 0.6%(0.267) MCSD: 40.7 ID:40.8 mph:6.8 Clk:4 to 10 MPH coming into Bend (-10ft): 2.8 Leaving Bend (+10ft): 8.3 Min MPH over range: 1.9 at index 7990353	59777.43	597+77	11.32	40.26							
B121	3.0	45	Left	Before u/s w.: 0.9%(0.376) MCSD: 40.6 ID:40.8 mph:11.0 Clk:3 to 9 After d/s w.: 1.0%(0.407) MCSD: 40.5 ID:40.8 mph:9.0 Clk:3 to 9 MPH coming into Bend (-10ft): 11.2 Leaving Bend (+10ft): 9.9 Min MPH over range: 8.8 at index 8125268	60885.50	608+85	11.53	40.14							
B122	22.0	13	Right		62531.80	625+32	11.84	40.03							
B123	24.0	10	Right		62594.02	625+94	11.85	40.17							
B124	3.0	31	Left	Before u/s w.: 1.3%(0.558) MCSD: 40.4 ID:40.8 mph:9.6 Clk:4 to 10 After d/s w.: 1.6%(0.655) MCSD: 40.2 ID:40.8 mph:8.5 Clk:3 to 9 MPH coming into Bend (-10ft): 9.2 Leaving Bend (+10ft): 9.4 Min MPH over range: 7.6 at index 8347045	62746.63	627+47	11.88	39.50							

B125	3.0	43	Left	Before u/s w.: 0.7%(0.311) MCSD: 40.7 ID:40.8 mph:8.8 Clk:3 to 9 After d/s w. : 0.8%(0.348) MCSD: 40.5 ID:40.8 mph:7.5 Clk:3 to 9 MPH coming into Bend (-10ft): 8.6 Leaving Bend (+10ft): 8.8 Min MPH over range: 7.0 at index 8451933	63611.21	636+11	12.05	39.98							
B126	3.0	70	Right	Before u/s w.: 1.0%(0.410) MCSD: 40.5 ID:40.8 mph:11.4 Clk:4 to 10 After d/s w. : 0.9%(0.399) MCSD: 40.5 ID:40.8 mph:11.1 Clk:3 to 9 MPH coming into Bend (-10ft): 11.3 Leaving Bend (+10ft): 11.0 Min MPH over range: 9.8 at index 8551596	64442.89	644+43	12.21	39.67							
B127	3.0	31	Left	Before u/s w.: 0.6%(0.235) MCSD: 40.7 ID:40.8 mph:12.4 Clk:6 to 12 After d/s w. : 0.7%(0.293) MCSD: 40.6 ID:40.8 mph:9.1 Clk:1 to 7 MPH coming into Bend (-10ft): 12.0 Leaving Bend (+10ft): 12.2 Min MPH over range: 8.5 at index 8621739	65024.42	650+24	12.32	40.01							
B128	3.0	24	Left	Before u/s w.: 0.4%(0.187) MCSD: 40.7 ID:40.8 mph:13.0 Clk:1 to 7 After d/s w. : 0.5%(0.209) MCSD: 40.7 ID:40.8 mph:11.2 Clk:5 to 11 MPH coming into Bend (-10ft): 11.7 Leaving Bend (+10ft): 13.2 Min MPH over range: 10.4 at index 8628204	65093.77	650+94	12.33	40.28							
B129	3.0	23	Left	Before u/s w.: 0.7%(0.282) MCSD: 40.7 ID:40.8 mph:10.5 Clk:5 to 11 After d/s w. : 0.7%(0.293) MCSD: 40.7 ID:40.8 mph:8.5 Clk:4 to 10 MPH coming into Bend (-10ft): 10.6 Leaving Bend (+10ft): 11.1 Min MPH over range: 8.4 at index 8653713	65291.59	652+92	12.37	40.44							
B130	3.0	27	Right	Before u/s w.: 0.7%(0.276) MCSD: 40.7 ID:40.8 mph:8.8 Clk:4 to 10 After d/s w. : 0.6%(0.242) MCSD: 40.7 ID:40.8 mph:7.0 Clk:4 to 10 MPH coming into Bend (-10ft): 11.5 Leaving Bend (+10ft): 9.6 Min MPH over range: 6.0 at index 8662312	65368.25	653+68	12.38	40.00							

B131	3.0	42	Right	Before u/s w.: 0.6%(0.270) MCSD: 40.7 ID:40.8 mph:8.4 Clk:6 to 12 After d/s w.: 0.4%(0.174) MCSD: 40.8 ID:40.8 mph:6.9 Clk:2 to 8 MPH coming into Bend (-10ft): 8.8 Leaving Bend (+10ft): 8.7 Min MPH over range: 6.2 at index 8673343	65453.40	654+53	12.40	40.39							
B132	3.0	32	Left	Before u/s w.: 1.4%(0.602) MCSD: 40.3 ID:40.8 mph:10.8 Clk:4 to 10 After d/s w.: 1.3%(0.531) MCSD: 40.4 ID:40.8 mph:8.8 Clk:4 to 10 MPH coming into Bend (-10ft): 11.8 Leaving Bend (+10ft): 10.2 Min MPH over range: 7.8 at index 8677195	65489.70	654+90	12.40	39.53							
B133	3.0	19	Up-Left	Before u/s w.: 0.7%(0.298) MCSD: 40.7 ID:40.8 mph:10.5 Clk:5 to 11 After d/s w.: 0.8%(0.353) MCSD: 40.6 ID:40.8 mph:9.4 Clk:4 to 10 MPH coming into Bend (-10ft): 10.7 Leaving Bend (+10ft): 8.7 Min MPH over range: 8.3 at index 8768899	66250.19	662+50	12.55	40.20							
B134	3.0	42	Right	Before u/s w.: 0.3%(0.125) MCSD: 40.7 ID:40.8 mph:2.5 Clk:4 to 10 After d/s w.: 0.4%(0.159) MCSD: 40.6 ID:40.8 mph:0.4 Clk:1 to 7 MPH coming into Bend (-10ft): 6.5 Leaving Bend (+10ft): 2.0 Min MPH over range: 0.0 at index 8819805	66685.96	666+86	12.63	40.37							
B135	3.0	25	Down	Before u/s w.: 0.8%(0.339) MCSD: 40.4 ID:40.5 mph:9.7 Clk:5 to 11 After d/s w.: 0.6%(0.241) MCSD: 40.5 ID:40.8 mph:10.6 Clk:5 to 11 MPH coming into Bend (-10ft): 7.2 Leaving Bend (+10ft): 11.5 Min MPH over range: 7.0 at index 8823904	66725.50	667+26	12.64	39.60							
B136	3.0	22	Up	Before u/s w.: 1.7%(0.728) MCSD: 40.0 ID:40.8 mph:10.2 Clk:3 to 9 After d/s w.: 1.6%(0.683) MCSD: 40.0 ID:40.5 mph:10.5 Clk:3 to 9 MPH coming into Bend (-10ft): 11.5 Leaving Bend (+10ft): 10.2 Min MPH over range: 8.4 at index 8827656	66748.13	667+48	12.64	39.35							

B137	3.0	23	Left	Before u/s w.: 1.5%(0.633) MCSD: 40.1 ID:40.8 mph:13.2 Clk:1 to 7 After d/s w. : 1.6%(0.664) MCSD: 40.0 ID:40.5 mph:12.6 Clk:1 to 7 MPH coming into Bend (-10ft): 12.1 Leaving Bend (+10ft): 12.4 Min MPH over range: 11.6 at index 8844862	66884.56	668+85	12.67	39.62							
B138	3.0	46	Right	Before u/s w.: 0.5%(0.194) MCSD: 40.5 ID:40.5 mph:13.0 Clk:5 to 11 After d/s w. : 0.7%(0.298) MCSD: 40.4 ID:40.5 mph:17.3 Clk:5 to 11 MPH coming into Bend (-10ft): 15.2 Leaving Bend (+10ft): 18.5 Min MPH over range: 12.4 at index 8857164	66998.73	669+99	12.69	39.17							
B139	3.0	23	Left	Before u/s w.: 0.6%(0.242) MCSD: 40.5 ID:40.5 mph:14.5 Clk:5 to 11 After d/s w. : 0.7%(0.310) MCSD: 40.3 ID:40.5 mph:14.6 Clk:5 to 11 MPH coming into Bend (-10ft): 14.3 Leaving Bend (+10ft): 14.3 Min MPH over range: 11.8 at index 8931994	67610.68	676+11	12.81	39.71							
B140	3.0	23	Left	Before u/s w.: 1.1%(0.449) MCSD: 40.4 ID:40.8 mph:12.6 Clk:1 to 7 After d/s w. : 1.4%(0.572) MCSD: 40.3 ID:40.8 mph:12.1 Clk:2 to 8 MPH coming into Bend (-10ft): 12.3 Leaving Bend (+10ft): 13.1 Min MPH over range: 10.6 at index 9006120	68243.32	682+43	12.92	39.76							
B141	3.0	30	Left	Before u/s w.: 0.8%(0.335) MCSD: 40.6 ID:40.8 mph:15.0 Clk:1 to 7 After d/s w. : 0.6%(0.232) MCSD: 40.7 ID:40.8 mph:11.4 Clk:3 to 9 MPH coming into Bend (-10ft): 14.5 Leaving Bend (+10ft): 12.2 Min MPH over range: 10.9 at index 9056887	68650.40	686+50	13.00	40.08							
B142	22.0	13	Right		68952.97	689+53	13.06	40.02							
B143	25.0	9	Right		69082.50	690+83	13.08	40.37							
B144	23.0	10	Right		69121.50	691+22	13.09	40.21							
B145	20.0	9	Right		69495.11	694+95	13.16	40.32							
B146	3.0	46	Right	Before u/s w.: 0.8%(0.324) MCSD: 40.7 ID:40.8 mph:8.3 Clk:5 to 11 After d/s w. : 1.1%(0.476) MCSD: 40.4 ID:40.8 mph:10.4 Clk:4 to 10 MPH coming into Bend (-10ft): 8.1 Leaving Bend (+10ft): 11.2 Min MPH over range: 7.3 at index 9174830	69644.60	696+45	13.19	40.17							

B147	3.0	22	Left	Before u/s w.: 1.4%(0.588) MCSD: 40.4 ID:40.8 mph:11.5 Clk:6 to 12 After d/s w.: 1.2%(0.485) MCSD: 40.5 ID:40.8 mph:8.1 Clk:1 to 7 MPH coming into Bend (-10ft): 11.5 Leaving Bend (+10ft): 9.7 Min MPH over range: 7.8 at index 9238843	70169.48	701+69	13.29	39.71							
B148	3.0	31	Left	Before u/s w.: 1.1%(0.447) MCSD: 40.5 ID:40.8 mph:5.3 Clk:6 to 12 After d/s w.: 0.9%(0.364) MCSD: 40.6 ID:40.8 mph:1.5 Clk:1 to 7 MPH coming into Bend (-10ft): 5.9 Leaving Bend (+10ft): 7.7 Min MPH over range: 0.1 at index 9252316	70281.65	702+82	13.31	40.03							
B149	3.0	20	Up-Right	Before u/s w.: 0.6%(0.251) MCSD: 40.5 ID:40.8 mph:6.4 Clk:3 to 9 After d/s w.: 1.1%(0.482) MCSD: 40.3 ID:40.8 mph:1.3 Clk:3 to 9 MPH coming into Bend (-10ft): 8.3 Leaving Bend (+10ft): 4.3 Min MPH over range: 1.2 at index 9321885	70861.05	708+61	13.42	39.74							
B150	3.0	16	Down-Left	Before u/s w.: 1.1%(0.447) MCSD: 40.3 ID:40.8 mph:6.1 Clk:4 to 10 After d/s w.: 1.0%(0.422) MCSD: 40.3 ID:40.8 mph:6.1 Clk:3 to 9 MPH coming into Bend (-10ft): 3.8 Leaving Bend (+10ft): 6.6 Min MPH over range: 3.8 at index 9344272	71060.64	710+61	13.46	39.54							
B151	3.0	31	Right	Before u/s w.: 0.5%(0.205) MCSD: 40.7 ID:40.8 mph:6.3 Clk:3 to 9 After d/s w.: 0.8%(0.323) MCSD: 40.7 ID:40.8 mph:4.8 Clk:5 to 11 MPH coming into Bend (-10ft): 6.2 Leaving Bend (+10ft): 4.9 Min MPH over range: 4.2 at index 9424747	71717.75	717+18	13.58	40.10							
B152	3.0	17	Right	Before u/s w.: 0.3%(0.141) MCSD: 40.8 ID:40.8 mph:10.3 Clk:4 to 10 After d/s w.: 1.4%(0.594) MCSD: 40.2 ID:40.8 mph:12.2 Clk:2 to 8 MPH coming into Bend (-10ft): 10.9 Leaving Bend (+10ft): 11.6 Min MPH over range: 9.4 at index 9432717	71792.05	717+92	13.60	39.92							

B153	3.0	23	Left	Before u/s w.: 0.7%(0.287) MCSD: 40.7 ID:40.8 mph:10.8 Clk:1 to 7 After d/s w.: 1.5%(0.620) MCSD: 40.2 ID:40.8 mph:9.8 Clk:1 to 7 MPH coming into Bend (-10ft): 10.7 Leaving Bend (+10ft): 8.3 Min MPH over range: 7.8 at index 9469644	72090.95	720+91	13.65	39.63							
B154	3.0	31	Left	Before u/s w.: 0.8%(0.327) MCSD: 40.6 ID:40.8 mph:8.3 Clk:3 to 9 After d/s w.: 1.0%(0.426) MCSD: 40.6 ID:40.8 mph:1.0 Clk:3 to 9 MPH coming into Bend (-10ft): 7.9 Leaving Bend (+10ft): 7.9 Min MPH over range: 1.0 at index 9610562	73265.83	732+66	13.88	40.08							
B155	3.0	29	Up-Right	Before u/s w.: 1.3%(0.545) MCSD: 40.4 ID:40.8 mph:0.2 Clk:2 to 8 After d/s w.: 1.6%(0.672) MCSD: 40.3 ID:40.8 mph:1.3 Clk:2 to 8 MPH coming into Bend (-10ft): 3.6 Leaving Bend (+10ft): 3.2 Min MPH over range: 0.0 at index 9722926	74212.28	742+12	14.06	39.65							
B156	3.0	33	Left	Before u/s w.: 0.5%(0.195) MCSD: 40.8 ID:40.8 mph:14.3 Clk:5 to 11 After d/s w.: 0.7%(0.297) MCSD: 40.6 ID:40.8 mph:16.3 Clk:3 to 9 MPH coming into Bend (-10ft): 16.1 Leaving Bend (+10ft): 16.3 Min MPH over range: 12.5 at index 9773841	74625.02	746+25	14.13	39.92							
B157	3.0	24	Left	Before u/s w.: 1.3%(0.543) MCSD: 40.3 ID:40.8 mph:19.8 Clk:3 to 9 After d/s w.: 1.8%(0.756) MCSD: 40.1 ID:40.8 mph:17.9 Clk:3 to 9 MPH coming into Bend (-10ft): 19.6 Leaving Bend (+10ft): 18.6 Min MPH over range: 16.9 at index 9809742	74927.31	749+27	14.19	38.77							
B158	3.0	13	Left	Before u/s w.: 0.6%(0.264) MCSD: 40.7 ID:40.8 mph:20.3 Clk:4 to 10 After d/s w.: 1.3%(0.548) MCSD: 40.1 ID:40.5 mph:18.1 Clk:3 to 9 MPH coming into Bend (-10ft): 21.9 Leaving Bend (+10ft): 19.6 Min MPH over range: 18.0 at index 9818359	74998.80	749+99	14.20	38.57							

B159	3.0	24	Right	Before u/s w.: 1.3%(0.529) MCSD: 40.4 ID:40.8 mph:22.0 Clk:3 to 9 After d/s w. : 1.3%(0.557) MCSD: 39.6 ID:40.8 mph:18.2 Clk:3 to 9 MPH coming into Bend (-10ft): 22.6 Leaving Bend (+10ft): 21.0 Min MPH over range: 16.0 at index 9841471	75196.79	751+97	14.24	38.37							
B160	3.0	67	Right	Before u/s w.: 1.0%(0.435) MCSD: 40.6 ID:40.8 mph:16.0 Clk:3 to 9 After d/s w. : 1.7%(0.731) MCSD: 40.1 ID:40.8 mph:14.4 Clk:4 to 10 MPH coming into Bend (-10ft): 18.9 Leaving Bend (+10ft): 14.5 Min MPH over range: 14.1 at index 9903233	75701.80	757+02	14.34	39.00							
B161	3.0	25	Left	Before u/s w.: 0.7%(0.314) MCSD: 40.7 ID:40.8 mph:15.8 Clk:2 to 8 After d/s w. : 1.3%(0.526) MCSD: 40.4 ID:40.8 mph:12.8 Clk:2 to 8 MPH coming into Bend (-10ft): 15.7 Leaving Bend (+10ft): 14.1 Min MPH over range: 12.1 at index 10007998	76577.27	765+77	14.50	40.37							
B162	3.0	26	Up-Right	Before u/s w.: 0.2%(0.086) MCSD: 40.6 ID:40.5 mph:11.8 Clk:2 to 8 After d/s w. : 1.5%(0.630) MCSD: 40.2 ID:40.8 mph:7.6 Clk:4 to 10 MPH coming into Bend (-10ft): 12.4 Leaving Bend (+10ft): 6.9 Min MPH over range: 5.6 at index 10091890	77275.83	772+76	14.64	39.83							
B163	3.0	30	Left	Before u/s w.: 0.6%(0.267) MCSD: 40.5 ID:40.8 mph:7.6 Clk:3 to 9 After d/s w. : 0.8%(0.340) MCSD: 40.4 ID:40.8 mph:4.5 Clk:3 to 9 MPH coming into Bend (-10ft): 6.2 Leaving Bend (+10ft): 4.3 Min MPH over range: 3.7 at index 10121563	77520.85	775+21	14.68	39.85							
B164	3.0	38	Up-Left	Before u/s w.: 1.3%(0.558) MCSD: 40.2 ID:40.8 mph:1.0 Clk:2 to 8 After d/s w. : 1.2%(0.514) MCSD: 40.2 ID:40.8 mph:0.9 Clk:3 to 9 MPH coming into Bend (-10ft): 2.5 Leaving Bend (+10ft): 1.4 Min MPH over range: 0.1 at index 10122960	77547.00	775+47	14.69	39.64							

B165	3.0	24	Right	Before u/s w.: 0.5%(0.206) MCSD: 40.5 ID:40.8 mph:10.3 Clk:2 to 8 After d/s w. : 0.8%(0.335) MCSD: 40.6 ID:40.8 mph:10.2 Clk:3 to 9 MPH coming into Bend (-10ft): 9.8 Leaving Bend (+10ft): 12.0 Min MPH over range: 8.4 at index 10137392	77670.35	776+70	14.71	40.37							
B166	3.0	20	Left	Before u/s w.: 1.0%(0.404) MCSD: 40.5 ID:40.8 mph:17.0 Clk:1 to 7 After d/s w. : 1.1%(0.481) MCSD: 40.3 ID:40.8 mph:16.6 Clk:2 to 8 MPH coming into Bend (-10ft): 18.2 Leaving Bend (+10ft): 16.9 Min MPH over range: 15.4 at index 10190696	78101.83	781+02	14.79	39.49							
B167	3.0	18	Up	Before u/s w.: 1.6%(0.687) MCSD: 40.2 ID:40.8 mph:17.7 Clk:3 to 9 After d/s w. : 1.4%(0.599) MCSD: 40.3 ID:40.8 mph:15.6 Clk:3 to 9 MPH coming into Bend (-10ft): 20.9 Leaving Bend (+10ft): 15.0 Min MPH over range: 13.0 at index 10200249	78179.89	781+80	14.81	39.45							
B168	3.0	46	Right	Before u/s w.: 0.3%(0.147) MCSD: 40.8 ID:40.8 mph:11.6 Clk:4 to 10 After d/s w. : 1.3%(0.557) MCSD: 40.4 ID:40.8 mph:9.9 Clk:5 to 11 MPH coming into Bend (-10ft): 12.4 Leaving Bend (+10ft): 8.8 Min MPH over range: 7.5 at index 10205383	78232.06	782+32	14.82	40.32							
B169	3.0	32	Up-Right	Before u/s w.: 1.1%(0.458) MCSD: 40.5 ID:40.8 mph:0.6 Clk:4 to 10 After d/s w. : 1.1%(0.467) MCSD: 40.5 ID:40.8 mph:0.8 Clk:4 to 10 MPH coming into Bend (-10ft): 0.6 Leaving Bend (+10ft): 1.6 Min MPH over range: 0.1 at index 10258410	78673.55	786+74	14.90	39.74							
B170	3.0	22	Right	Before u/s w.: 0.8%(0.323) MCSD: 40.6 ID:40.8 mph:10.2 Clk:1 to 7 After d/s w. : 0.9%(0.381) MCSD: 40.5 ID:40.8 mph:9.8 Clk:1 to 7 MPH coming into Bend (-10ft): 10.7 Leaving Bend (+10ft): 10.4 Min MPH over range: 7.8 at index 10275359	78812.58	788+13	14.93	40.01							

B171	3.0	34	Left	Before u/s w.: 1.0%(0.407) MCSD: 40.5 ID:40.8 mph:16.4 Clk:6 to 12 After d/s w.: 1.0%(0.445) MCSD: 39.9 ID:40.8 mph:13.0 Clk:2 to 8 MPH coming into Bend (-10ft): 16.0 Leaving Bend (+10ft): 14.4 Min MPH over range: 13.0 at index 10288194	78912.05	789+12	14.95	39.20							
B172	3.0	25	Right	Before u/s w.: 0.6%(0.263) MCSD: 40.7 ID:40.8 mph:20.0 Clk:4 to 10 After d/s w.: 1.8%(0.742) MCSD: 39.7 ID:40.2 mph:23.9 Clk:4 to 10 MPH coming into Bend (-10ft): 21.9 Leaving Bend (+10ft): 20.3 Min MPH over range: 18.5 at index 10339127	79338.95	793+39	15.03	38.65							
B173	3.0	32	Right	Before u/s w.: 1.0%(0.429) MCSD: 40.5 ID:40.8 mph:6.4 Clk:3 to 9 After d/s w.: 1.3%(0.550) MCSD: 40.5 ID:40.8 mph:2.4 Clk:4 to 10 MPH coming into Bend (-10ft): 6.7 Leaving Bend (+10ft): 6.3 Min MPH over range: 0.0 at index 10588922	81421.15	814+21	15.42	40.06							
B174	3.0	18	Left	Before u/s w.: 1.1%(0.442) MCSD: 40.6 ID:40.8 mph:1.4 Clk:4 to 10 After d/s w.: 0.8%(0.346) MCSD: 40.6 ID:40.8 mph:1.8 Clk:3 to 9 MPH coming into Bend (-10ft): 3.5 Leaving Bend (+10ft): 3.0 Min MPH over range: 1.1 at index 10747573	82748.10	827+48	15.67	40.39							
B175	3.0	62	Left	Before u/s w.: 0.4%(0.165) MCSD: 40.8 ID:40.8 mph:9.4 Clk:4 to 10 After d/s w.: 1.1%(0.444) MCSD: 40.5 ID:40.8 mph:8.6 Clk:3 to 9 MPH coming into Bend (-10ft): 9.8 Leaving Bend (+10ft): 9.1 Min MPH over range: 7.1 at index 10857644	83653.25	836+53	15.84	40.31							
B176	3.0	24	Left	Before u/s w.: 0.8%(0.323) MCSD: 40.7 ID:40.8 mph:9.1 Clk:3 to 9 After d/s w.: 1.4%(0.596) MCSD: 40.4 ID:40.8 mph:8.0 Clk:3 to 9 MPH coming into Bend (-10ft): 9.3 Leaving Bend (+10ft): 8.7 Min MPH over range: 6.8 at index 11149305	86088.34	860+88	16.30	39.77							

B177	3.0	23	Right	Before u/s w.: 1.8%(0.611) MCSD: 40.1 ID:40.8 mph:10.1 Clk:2 to 8 After d/s w.: 1.9%(0.894) MCSD: 40.0 ID:40.8 mph:8.1 Clk:3 to 9 MPH coming into Bend (-10ft): 12.6 Leaving Bend (+10ft): 10.7 Min MPH over range: 7.8 at index 11175415	86306.19	863+06	16.35	39.34						
B178	3.0	20	Left	Before u/s w.: 1.6%(0.653) MCSD: 40.4 ID:40.8 mph:3.6 Clk:4 to 10 After d/s w.: 1.7%(0.734) MCSD: 40.2 ID:40.8 mph:4.6 Clk:4 to 10 MPH coming into Bend (-10ft): 3.6 Leaving Bend (+10ft): 1.9 Min MPH over range: 0.6 at index 11190520	86442.59	864+43	16.37	39.76						
B179	3.0	47	Right	Before u/s w.: 1.0%(0.418) MCSD: 40.6 ID:40.8 mph:14.4 Clk:3 to 9 After d/s w.: 1.0%(0.433) MCSD: 40.5 ID:40.8 mph:12.9 Clk:3 to 9 MPH coming into Bend (-10ft): 13.7 Leaving Bend (+10ft): 14.5 Min MPH over range: 12.1 at index 11448626	88580.20	885+80	16.78	39.66						
B180	3.0	59	Left	Before u/s w.: 1.3%(0.543) MCSD: 40.5 ID:40.8 mph:11.3 Clk:3 to 9 After d/s w.: 1.4%(0.601) MCSD: 40.4 ID:40.8 mph:12.0 Clk:2 to 8 MPH coming into Bend (-10ft): 11.5 Leaving Bend (+10ft): 11.8 Min MPH over range: 9.9 at index 11568102	89591.74	895+92	16.97	39.97						
B181	3.0	81	Right	Before u/s w.: 1.6%(0.668) MCSD: 40.4 ID:40.8 mph:8.2 Clk:3 to 9 After d/s w.: 1.6%(0.658) MCSD: 40.3 ID:40.8 mph:9.3 Clk:4 to 10 MPH coming into Bend (-10ft): 7.8 Leaving Bend (+10ft): 9.9 Min MPH over range: 6.6 at index 11718962	90849.72	908+50	17.21	39.77						
B182	3.0	56	Left	Before u/s w.: 0.5%(0.225) MCSD: 40.8 ID:40.8 mph:10.2 Clk:5 to 11 After d/s w.: 0.8%(0.319) MCSD: 40.7 ID:40.8 mph:7.1 Clk:4 to 10 MPH coming into Bend (-10ft): 10.8 Leaving Bend (+10ft): 6.6 Min MPH over range: 5.8 at index 1188519	92244.72	922+45	17.47	40.10						

B183	3.0	51	Right	Before u/s w.: 1.1%(0.481) MCSD: 40.6 ID:40.8 mph:6.7 Clk:3 to 9 After d/s w.: 1.6%(0.690) MCSD: 40.3 ID:40.8 mph:8.4 Clk:2 to 8 MPH coming into Bend (-10ft): 9.8 Leaving Bend (+10ft): 8.2 Min MPH over range: 6.5 at index 11959382	92836.16	928+36	17.58	39.99						
B184	3.0	32	Up	Before u/s w.: 1.0%(0.407) MCSD: 40.6 ID:40.8 mph:5.9 Clk:3 to 9 After d/s w.: 0.6%(0.264) MCSD: 40.8 ID:40.8 mph:3.4 Clk:3 to 9 MPH coming into Bend (-10ft): 9.7 Leaving Bend (+10ft): 8.7 Min MPH over range: 0.0 at index 12030384	93435.44	934+35	17.70	40.03						
B185	3.0	21	Down	Before u/s w.: 0.4%(0.174) MCSD: 40.8 ID:40.8 mph:8.2 Clk:3 to 9 After d/s w.: 0.6%(0.253) MCSD: 40.8 ID:40.8 mph:7.3 Clk:3 to 9 MPH coming into Bend (-10ft): 10.4 Leaving Bend (+10ft): 10.5 Min MPH over range: 7.2 at index 12035034	93470.95	934+71	17.70	39.63						
B186	3.0	36	Up-Left	Before u/s w.: 1.5%(0.619) MCSD: 40.4 ID:40.8 mph:6.6 Clk:1 to 7 After d/s w.: 1.2%(0.493) MCSD: 40.6 ID:40.8 mph:1.3 Clk:1 to 7 MPH coming into Bend (-10ft): 8.5 Leaving Bend (+10ft): 1.3 Min MPH over range: 0.0 at index 12090824	93935.87	939+36	17.79	39.29						
B187	3.0	22	Left	Before u/s w.: 1.3%(0.535) MCSD: 40.5 ID:40.8 mph:7.9 Clk:3 to 9 After d/s w.: 1.1%(0.459) MCSD: 40.6 ID:40.8 mph:5.4 Clk:3 to 9 MPH coming into Bend (-10ft): 9.0 Leaving Bend (+10ft): 9.0 Min MPH over range: 5.1 at index 12119196	94173.04	941+73	17.84	39.85						
B188	3.0	35	Up	Before u/s w.: 0.9%(0.397) MCSD: 40.1 ID:40.5 mph:0.4 Clk:3 to 9 After d/s w.: 0.9%(0.390) MCSD: 40.0 ID:40.2 mph:0.2 Clk:3 to 9 MPH coming into Bend (-10ft): 2.4 Leaving Bend (+10ft): 0.5 Min MPH over range: 0.0 at index 12148775	94429.03	944+29	17.88	39.79						

B189	3.0	38	Down	Before u/s w.: 0.7%(0.298) MCSD: 40.6 ID:40.8 mph:14.9 Clk:1 to 7 After d/s w. : 0.3%(0.134) MCSD: 40.8 ID:40.8 mph:19.8 Clk:6 to 12 MPH coming into Bend (-10ft): 14.4 Leaving Bend (+10ft): 19.8 Min MPH over range: 14.4 at index 12160985	94533.92	945+34	17.90	39.38							
B190	3.0	29	Up	Before u/s w.: 0.9%(0.375) MCSD: 40.6 ID:40.8 mph:18.3 Clk:3 to 9 After d/s w. : 1.0%(0.414) MCSD: 40.5 ID:40.8 mph:19.6 Clk:3 to 9 MPH coming into Bend (-10ft): 21.2 Leaving Bend (+10ft): 18.9 Min MPH over range: 17.3 at index 12165723	94557.48	945+57	17.91	39.26							
B191	3.0	22	Left	Before u/s w.: 0.8%(0.329) MCSD: 40.6 ID:40.8 mph:23.1 Clk:4 to 10 After d/s w. : 0.6%(0.110) MCSD: 39.6 ID:40.8 mph:18.7 Clk:3 to 9 MPH coming into Bend (-10ft): 22.0 Leaving Bend (+10ft): 20.1 Min MPH over range: 18.7 at index 12195544	94807.96	948+08	17.96	38.70							
B192	3.0	21	Left	Before u/s w.: 1.2%(0.516) MCSD: 40.5 ID:40.8 mph:22.5 Clk:5 to 11 After d/s w. : 1.2%(0.561) MCSD: 39.7 ID:40.8 mph:20.2 Clk:4 to 10 MPH coming into Bend (-10ft): 22.7 Leaving Bend (+10ft): 22.4 Min MPH over range: 18.7 at index 12207137	94903.99	949+04	17.97	38.66							
B193	3.0	29	Right	Before u/s w.: 1.0%(0.410) MCSD: 40.6 ID:40.8 mph:8.7 Clk:1 to 7 After d/s w. : 0.9%(0.368) MCSD: 40.7 ID:40.8 mph:5.0 Clk:2 to 8 MPH coming into Bend (-10ft): 8.3 Leaving Bend (+10ft): 5.3 Min MPH over range: 4.5 at index 12263245	95368.42	953+68	18.06	39.96							
B194	3.0	36	Right	Before u/s w.: 0.5%(0.197) MCSD: 40.8 ID:40.8 mph:5.5 Clk:6 to 12 After d/s w. : 0.6%(0.270) MCSD: 40.9 ID:40.8 mph:2.2 Clk:6 to 12 MPH coming into Bend (-10ft): 5.5 Leaving Bend (+10ft): 1.3 Min MPH over range: 0.1 at index 12358214	96164.62	961+65	18.21	40.49							

B195	3.0	30	Left	Before u/s w.: 0.6%(0.259) MCSD: 40.7 ID:40.8 mph:3.7 Clk:3 to 9 After d/s w.: 0.7%(0.288) MCSD: 40.7 ID:40.8 mph:2.1 Clk:3 to 9 MPH coming into Bend (-10ft): 5.2 Leaving Bend (+10ft): 5.4 Min MPH over range: 0.2 at index 12450723	96939.28	969+39	18.36	40.07						
B196	3.0	19	Left	Before u/s w.: 0.9%(0.386) MCSD: 40.6 ID:40.8 mph:9.4 Clk:1 to 7 After d/s w.: 1.1%(0.455) MCSD: 40.6 ID:40.8 mph:6.5 Clk:1 to 7 MPH coming into Bend (-10ft): 10.0 Leaving Bend (+10ft): 9.1 Min MPH over range: 6.5 at index 12457070	96987.24	969+87	18.37	40.03						
B197	3.0	35	Right	Before u/s w.: 0.8%(0.333) MCSD: 40.7 ID:40.8 mph:8.4 Clk:4 to 10 After d/s w.: 0.8%(0.324) MCSD: 40.8 ID:40.8 mph:1.4 Clk:3 to 9 MPH coming into Bend (-10ft): 10.1 Leaving Bend (+10ft): 2.3 Min MPH over range: 0.1 at index 12529373	97589.14	975+89	18.48	40.48						
B198	3.0	36	Left	Before u/s w.: 1.2%(0.486) MCSD: 40.6 ID:40.8 mph:3.0 Clk:4 to 10 After d/s w.: 1.2%(0.522) MCSD: 40.5 ID:40.8 mph:2.2 Clk:3 to 9 MPH coming into Bend (-10ft): 6.1 Leaving Bend (+10ft): 6.6 Min MPH over range: 0.1 at index 12612774	98293.33	982+93	18.62	39.64						
B199	24.0	8	Down-Left		98380.32	983+80	18.63	40.20						
B200	20.0	6	Right		98762.78	987+63	18.71	40.20						
B201	21.0	11	Right		98861.14	988+61	18.72	40.23						
B202	5.0	17	Right	Before u/s w.: 1.2%(0.507) MCSD: 40.6 ID:40.8 mph:8.9 Clk:4 to 10 After d/s w.: 2.5%(1.065) MCSD: 39.7 ID:40.8 mph:6.2 Clk:5 to 11 MPH coming into Bend (-10ft): 9.9 Leaving Bend (+10ft): 5.7 Min MPH over range: 5.0 at index 12686799	98907.38	989+07	18.73	39.54						
B203	3.0	17	Right	Before u/s w.: 1.6%(0.661) MCSD: 40.4 ID:40.8 mph:7.2 Clk:4 to 10 After d/s w.: 1.5%(0.625) MCSD: 40.4 ID:40.8 mph:5.7 Clk:4 to 10 MPH coming into Bend (-10ft): 9.5 Leaving Bend (+10ft): 6.7 Min MPH over range: 5.0 at index 12686799	98909.48	989+09	18.73	39.77						
B204	21.0	8	Up-Right		98952.92	989+53	18.74	40.28						

B205	3.0	25	Left	Before u/s w.: 1.4%(0.572) MCSD: 40.5 ID:40.8 mph:7.7 Clk:3 to 9 After d/s w.: 1.4%(0.593) MCSD: 40.4 ID:40.8 mph:5.6 Clk:3 to 9 MPH coming into Bend (-10ft): 7.9 Leaving Bend (+10ft): 10.7 Min MPH over range: 0.3 at index 12711364	99106.84	991+07	18.77	39.80							
B206	3.0	25	Left	Before u/s w.: 1.0%(0.403) MCSD: 40.7 ID:40.8 mph:7.7 Clk:3 to 9 After d/s w.: 1.0%(0.424) MCSD: 40.6 ID:40.8 mph:5.6 Clk:3 to 9 MPH coming into Bend (-10ft): 8.0 Leaving Bend (+10ft): 10.7 Min MPH over range: 0.3 at index 12711364	99108.22	991+08	18.77	40.02							
B207	3.0	41	Right	Before u/s w.: 0.7%(0.288) MCSD: 40.7 ID:40.8 mph:9.7 Clk:3 to 9 After d/s w.: 0.7%(0.274) MCSD: 40.8 ID:40.8 mph:6.2 Clk:3 to 9 MPH coming into Bend (-10ft): 10.2 Leaving Bend (+10ft): 7.3 Min MPH over range: 5.8 at index 12805709	99889.53	998+90	18.92	40.39							
B208	3.0	16	Left	Before u/s w.: 0.4%(0.171) MCSD: 40.9 ID:40.8 mph:12.3 Clk:1 to 7 After d/s w.: 0.5%(0.192) MCSD: 40.9 ID:40.8 mph:8.4 Clk:6 to 12 MPH coming into Bend (-10ft): 13.3 Leaving Bend (+10ft): 10.0 Min MPH over range: 8.0 at index 12824160	100046.62	1000+47	18.95	40.49							
B209	3.0	10	Right	Before u/s w.: 0.4%(0.159) MCSD: 40.9 ID:40.8 mph:10.8 Clk:4 to 10 After d/s w.: 0.3%(0.115) MCSD: 41.0 ID:40.8 mph:8.4 Clk:6 to 12 MPH coming into Bend (-10ft): 13.3 Leaving Bend (+10ft): 9.1 Min MPH over range: 7.0 at index 12830520	100096.29	1000+96	18.96	40.35							
B210	3.0	30	Left	Before u/s w.: 0.4%(0.179) MCSD: 40.9 ID:40.8 mph:9.1 Clk:4 to 10 After d/s w.: 0.5%(0.197) MCSD: 40.8 ID:40.8 mph:8.2 Clk:1 to 7 MPH coming into Bend (-10ft): 8.3 Leaving Bend (+10ft): 8.8 Min MPH over range: 7.2 at index 12861237	100365.02	1003+65	19.01	40.07							

B211	3.0	14	Down	Before u/s w.: 0.4%(0.155) MCSD: 40.8 ID:40.8 mph:14.3 Clk:6 to 12 After d/s w. : 0.9%(0.372) MCSD: 40.4 ID:40.8 mph:13.7 Clk:3 to 9 MPH coming into Bend (-10ft): 14.6 Leaving Bend (+10ft): 12.0 Min MPH over range: 9.3 at index 12875691	100476.65	1004+77	19.03	40.29								
B212	3.0	41	Right	Before u/s w.: 0.7%(0.285) MCSD: 40.8 ID:40.8 mph:10.3 Clk:3 to 9 After d/s w. : 0.3%(0.132) MCSD: 41.0 ID:40.8 mph:3.3 Clk:5 to 11 MPH coming into Bend (-10ft): 10.1 Leaving Bend (+10ft): 1.3 Min MPH over range: 0.1 at index 12891712	100606.62	1006+07	19.05	40.41								
B213	3.0	30	Left	Before u/s w.: 0.2%(0.098) MCSD: 41.0 ID:40.8 mph:7.2 Clk:3 to 9 After d/s w. : 0.4%(0.167) MCSD: 41.0 ID:40.8 mph:2.6 Clk:3 to 9 MPH coming into Bend (-10ft): 7.2 Leaving Bend (+10ft): 2.1 Min MPH over range: 0.6 at index 12927202	100902.04	1009+02	19.11	40.58								
B214	3.0	19	Up-Right	Before u/s w.: 0.7%(0.314) MCSD: 40.7 ID:40.8 mph:3.2 Clk:1 to 7 After d/s w. : 1.3%(0.552) MCSD: 40.3 ID:40.8 mph:5.6 Clk:1 to 7 MPH coming into Bend (-10ft): 0.8 Leaving Bend (+10ft): 4.5 Min MPH over range: 0.1 at index 12944424	101049.87	1010+50	19.14	40.28								
B215	3.0	17	Left	Before u/s w.: 0.5%(0.210) MCSD: 40.9 ID:40.8 mph:10.2 Clk:3 to 9 After d/s w. : 0.3%(0.109) MCSD: 40.9 ID:40.8 mph:7.3 Clk:3 to 9 MPH coming into Bend (-10ft): 6.6 Leaving Bend (+10ft): 9.2 Min MPH over range: 6.6 at index 12959145	101185.50	1011+86	19.16	40.46								
B216	3.0	23	Left	Before u/s w.: 0.5%(0.193) MCSD: 40.9 ID:40.8 mph:4.7 Clk:1 to 7 After d/s w. : 0.6%(0.272) MCSD: 40.9 ID:40.8 mph:1.4 Clk:3 to 9 MPH coming into Bend (-10ft): 6.1 Leaving Bend (+10ft): 1.0 Min MPH over range: 0.1 at index 12976337	101317.79	1013+18	19.19	40.40								

B217	3.0	32	Right	Before u/s w.: 0.5%(0.216) MCSD: 41.0 ID:40.8 mph:3.2 Clk:1 to 7 After d/s w.: 0.9%(0.367) MCSD: 40.7 ID:40.8 mph:4.9 Clk:3 to 9 MPH coming into Bend (-10ft): 1.3 Leaving Bend (+10ft): 5.7 Min MPH over range: 1.3 at index 12984545	101392.89	1013+93	19.20	40.45							
B218	3.0	28	Up	Before u/s w.: 0.5%(0.214) MCSD: 40.6 ID:40.8 mph:1.6 Clk:1 to 7 After d/s w.: 0.3%(0.141) MCSD: 40.6 ID:40.8 mph:0.9 Clk:1 to 7 MPH coming into Bend (-10ft): 7.6 Leaving Bend (+10ft): 3.2 Min MPH over range: 0.1 at index 13008878	101593.06	1015+93	19.24	40.09							
B219	3.0	23	Down	Before u/s w.: 0.8%(0.334) MCSD: 40.4 ID:40.8 mph:7.7 Clk:6 to 12 After d/s w.: 0.3%(0.135) MCSD: 40.7 ID:40.8 mph:10.7 Clk:2 to 8 MPH coming into Bend (-10ft): 3.9 Leaving Bend (+10ft): 13.1 Min MPH over range: 3.9 at index 13014636	101647.91	1016+48	19.25	39.90							
B220	3.0	43	Right	Before u/s w.: 0.5%(0.231) MCSD: 40.8 ID:40.8 mph:3.9 Clk:5 to 11 After d/s w.: 0.5%(0.207) MCSD: 40.9 ID:40.8 mph:1.8 Clk:6 to 12 MPH coming into Bend (-10ft): 3.7 Leaving Bend (+10ft): 3.3 Min MPH over range: 0.1 at index 13036965	101828.19	1018+28	19.29	40.38							
B221	3.0	83	Left	Before u/s w.: 0.8%(0.354) MCSD: 40.8 ID:40.8 mph:1.1 Clk:1 to 7 After d/s w.: 0.7%(0.278) MCSD: 40.8 ID:40.8 mph:0.9 Clk:4 to 10 MPH coming into Bend (-10ft): 4.0 Leaving Bend (+10ft): 1.3 Min MPH over range: 0.2 at index 13068575	102097.09	1020+97	19.34	40.31							
B222	3.0	23	Right	Before u/s w.: 0.6%(0.235) MCSD: 40.8 ID:40.8 mph:1.4 Clk:4 to 10 After d/s w.: 0.7%(0.287) MCSD: 40.7 ID:40.8 mph:2.3 Clk:4 to 10 MPH coming into Bend (-10ft): 4.4 Leaving Bend (+10ft): 5.2 Min MPH over range: 0.2 at index 13122865	102543.40	1025+43	19.42	40.38							

B223	3.0	55	Right	Before u/s w.: 0.7%(0.274) MCSD: 40.8 ID:40.8 mph:10.5 Clk:3 to 9 After d/s w.: 1.2%(0.490) MCSD: 40.6 ID:40.8 mph:6.7 Clk:3 to 9 MPH coming into Bend (-10ft): 10.0 Leaving Bend (+10ft): 7.6 Min MPH over range: 5.9 at index 13207557	103236.61	1032+37	19.55	40.25							
B224	3.0	14	Right	Before u/s w.: 0.4%(0.186) MCSD: 40.9 ID:40.8 mph:4.8 Clk:2 to 8 After d/s w.: 0.5%(0.200) MCSD: 40.9 ID:40.8 mph:8.3 Clk:1 to 7 MPH coming into Bend (-10ft): 6.3 Leaving Bend (+10ft): 11.5 Min MPH over range: 4.5 at index 13219287	103346.36	1033+46	19.57	40.25							
B225	3.0	91	Up-Right	Before u/s w.: 0.6%(0.263) MCSD: 40.7 ID:40.8 mph:2.6 Clk:4 to 10 After d/s w.: 0.6%(0.259) MCSD: 40.6 ID:40.8 mph:2.6 Clk:3 to 9 MPH coming into Bend (-10ft): 3.1 Leaving Bend (+10ft): 2.8 Min MPH over range: 1.0 at index 13424788	105064.42	1050+64	19.90	40.23							
B226	3.0	22	Down	Before u/s w.: 0.7%(0.305) MCSD: 40.8 ID:40.8 mph:2.4 Clk:3 to 9 After d/s w.: 0.7%(0.290) MCSD: 40.8 ID:40.8 mph:4.5 Clk:3 to 9 MPH coming into Bend (-10ft): 3.1 Leaving Bend (+10ft): 4.0 Min MPH over range: 0.5 at index 13429732	105089.11	1050+89	19.90	40.28							

FIELD820-749B Wall Changes.xlsx

W68	Wall change from .740 to .617 for 899.32 feet - Customer supplied	24544.96	245-45	3221-47.9	0.617	989.3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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W138	Wall change from .617 to .740 for 39.52 feet - Customer supplied	51547.58	515-48	2957-93.7	0.740	39.5
W139	Wall change from .740 to .617 for 467.62 feet - Customer supplied	51587.07	515-87	2957-54.0	0.617	467.6
W140	Wall change from .617 to .740 for 13.67 feet - Customer supplied	52054.69	520-55	2952-97.1	0.740	13.7
W141	Wall change from .740 to .617 for 467.35 feet - Customer supplied	52068.36	520-68	2952-81.0	0.617	467.3
W142	Wall change from .617 to .740 for 39.91 feet - Customer supplied	52535.71	525-36	2948-23.6	0.740	39.9
W143	Wall change from .740 to .617 for 835.89 feet - Customer supplied	52575.62	525-76	2947-83.3	0.617	835.9
W144	Wall change from .617 to .740 for 39.39 feet - Customer supplied	53411.51	534-12	2939-56.4	0.740	39.4
W145	Wall change from .740 to .617 for 1300.27 feet - Customer supplied	53450.91	534-51	2939-17.5	0.617	1300.3
W146	Wall change from .617 to .740 for 5.92 feet - Customer supplied	54751.18	547-51	2926-39.1	0.740	5.9
W147	Wall change from .740 to .617 for 202.22 feet - Customer supplied	54757.10	547-57	2926-33.9	0.617	202.2
W148	Wall change from .617 to .740 for 1361.17 feet - Customer supplied	54969.31	549-59	2924-48.9	0.740	1361.2
W149	Wall change from .740 to .617 for 357.08 feet - Customer supplied	56320.49	563-20	2911-87.0	0.617	357.1
W150	Wall change from .617 to .888 for 7.16 feet - Customer supplied	56677.57	566-78	2908-52.9	0.888	7.2
W151	Wall change from .888 to .617 for 1905.55 feet - Customer supplied	56684.73	566-85	2908-47.7	0.617	1905.5
W152	Wall change from .617 to .740 for 4.53 feet - Customer supplied	58590.28	585-90	2889-73.8	0.740	4.5
W153	Wall change from .740 to .617 for 462.11 feet - Customer supplied	58594.81	585-95	2889-69.6	0.617	462.1
W154	Wall change from .617 to .740 for 4.47 feet - Customer supplied	59056.92	590-57	2885-15.7	0.740	4.5
W155	Wall change from .740 to .617 for 3682.24 feet - Customer supplied	59061.39	590-61	2885-11.7	0.617	3682.2
W156	Wall change from .617 to .740 for 5.99 feet - Customer supplied	62743.63	627-44	2848-64.6	0.740	6.0
W157	Wall change from .740 to .617 for 2271.80 feet - Customer supplied	62749.62	627-50	2848-59.2	0.617	2271.8
W158	Wall change from .617 to .740 for 6.01 feet - Customer supplied	65021.42	650-21	2826-39.4	0.740	6.0
W159	Wall change from .740 to .617 for 1647.41 feet - Customer supplied	65027.43	650-27	2826-34.9	0.617	1647.4
W160	Wall change from .617 to .740 for 319.42 feet - Customer supplied	66674.84	666-75	2810-00.8	0.740	319.4
W161	Wall change from .740 to .888 for 8.92 feet - Customer supplied	66994.26	669-94	2807-01.2	0.888	8.9
W162	Wall change from .888 to .740 for 684.23 feet - Customer supplied	67003.19	670-03	2806-85.6	0.740	684.2
W163	Wall change from .740 to .888 for 24.78 feet - Customer supplied	67687.42	676-87	2800-08.5	0.888	24.8
W164	Wall change from .888 to .740 for 9.53 feet - Customer supplied	67712.20	677-12	2799-85.7	0.740	9.5
W165	Wall change from .740 to .888 for 44.20 feet - Customer supplied	67721.74	677-22	2799-75.7	0.888	44.2
W166	Wall change from .888 to .740 for 312.32 feet - Customer supplied	67765.94	677-66	2799-31.0	0.740	312.3
W167	Wall change from .740 to .617 for 569.16 feet - Customer supplied	68078.26	680-78	2796-20.8	0.617	569.2
W168	Wall change from .617 to .740 for 5.96 feet - Customer supplied	68647.42	686-47	2790-57.5	0.740	6.0
W169	Wall change from .740 to .617 for 1793.07 feet - Customer supplied	68653.38	686-53	2790-52.3	0.617	1793.1
W170	Wall change from .617 to .740 for 412.53 feet - Customer supplied	70446.45	704-46	2773-26.7	0.740	412.5
W171	Wall change from .740 to .864 for 4.14 feet - Customer supplied	70858.99	708-59	2769-25.5	0.864	4.1
W172	Wall change from .864 to .740 for 196.15 feet - Customer supplied	70863.13	708-63	2769-22.0	0.740	196.1
W173	Wall change from .740 to .888 for 2.71 feet - Customer supplied	71059.28	710-59	2767-32.0	0.888	2.7
W174	Wall change from .888 to .740 for 100.57 feet - Customer supplied	71061.99	710-62	2767-29.2	0.740	100.6
W175	Wall change from .740 to .617 for 552.26 feet - Customer supplied	71162.55	711-63	2766-32.9	0.617	552.3
W176	Wall change from .617 to .740 for 5.89 feet - Customer supplied	71714.81	717-15	2761-08.3	0.740	5.9
W177	Wall change from .740 to .617 for 403.12 feet - Customer supplied	71720.70	717-21	2761-02.5	0.617	403.1
W178	Wall change from .617 to .740 for 40.21 feet - Customer supplied	72123.82	721-24	2757-03.1	0.740	40.2