

ADDITIONAL INFORMATION HANDOUT

For Contract No. 05-1F8504

At 05-SBt-25-38.2/44.2

Identified by

Project ID 0514000068

05-1F8504

05-SBt-25-38.2/44.2

Project ID 0514000068

MATERIALS INFORMATION

Ride Quality Analysis

1. SB PM 44.2 to 38.2 MRI
2. NB PM 38.2 to 44.2 IRI BWP
3. NB PM 38.2 to 44.2 MRI
4. SB PM 44.2 to 38.2 IRI BWP

Analysis: Ride Quality

Inputs

Threshold (in/mi): 75.00
 Segment Length (ft): 528.00

Selections

File	Section	Apply 250mm Filter
SB PM 44.2 to 38.2. T1 to T2 - 1	Full	Yes

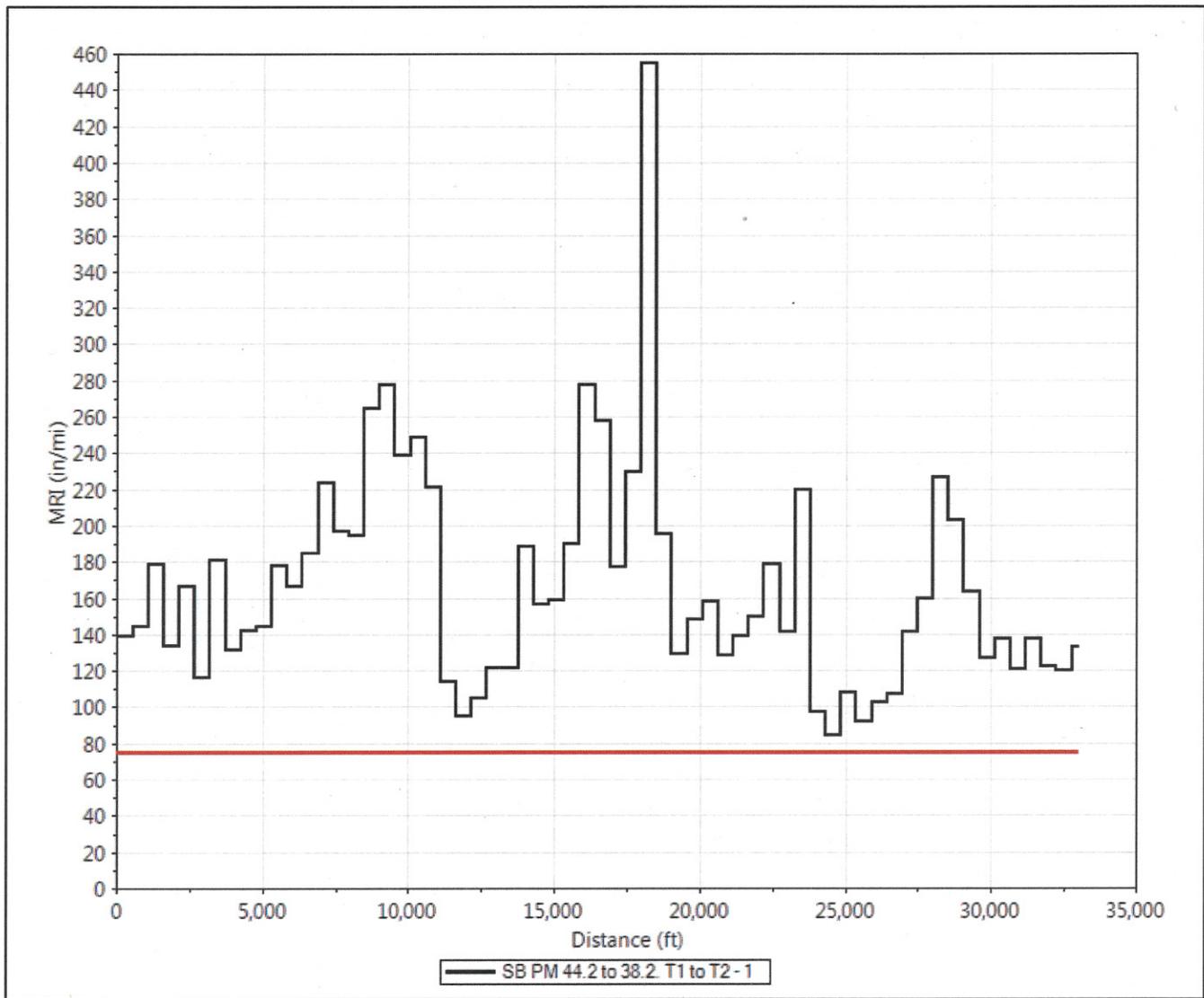
Leave-outs

Results

SB PM 44.2 to 38.2. T1 to T2 - 1

Start Distance (ft)	Stop Distance (ft)	Length (ft)	MRI (in/mi)
0.00	528.00	528.00	139.36
528.00	1,056.00	528.00	144.09
1,056.00	1,584.00	528.00	178.62
1,584.00	2,112.00	528.00	133.50
2,112.00	2,640.00	528.00	166.59
2,640.00	3,168.00	528.00	116.69
3,168.00	3,696.00	528.00	180.79
3,696.00	4,224.00	528.00	131.76
4,224.00	4,752.00	528.00	141.80
4,752.00	5,280.00	528.00	144.18
5,280.00	5,808.00	528.00	178.17
5,808.00	6,336.00	528.00	166.80
6,336.00	6,864.00	528.00	184.93
6,864.00	7,392.00	528.00	223.66
7,392.00	7,920.00	528.00	196.73
7,920.00	8,448.00	528.00	194.80
8,448.00	8,976.00	528.00	264.56
8,976.00	9,504.00	528.00	277.43
9,504.00	10,032.00	528.00	238.99
10,032.00	10,560.00	528.00	248.58
10,560.00	11,088.00	528.00	221.30
11,088.00	11,616.00	528.00	114.12
11,616.00	12,144.00	528.00	95.36
12,144.00	12,672.00	528.00	105.19
12,672.00	13,200.00	528.00	121.69
13,200.00	13,728.00	528.00	121.95
13,728.00	14,256.00	528.00	188.42
14,256.00	14,784.00	528.00	156.66
14,784.00	15,312.00	528.00	158.94
15,312.00	15,840.00	528.00	190.41
15,840.00	16,368.00	528.00	277.60
16,368.00	16,896.00	528.00	257.93
16,896.00	17,424.00	528.00	177.45
17,424.00	17,952.00	528.00	229.61
17,952.00	18,480.00	528.00	454.83
18,480.00	19,008.00	528.00	195.73
19,008.00	19,536.00	528.00	128.90

Start Distance (ft)	Stop Distance (ft)	Length (ft)	MRI (in/mi)
19,536.00	20,064.00	528.00	148.22
20,064.00	20,592.00	528.00	158.05
20,592.00	21,120.00	528.00	128.15
21,120.00	21,648.00	528.00	139.34
21,648.00	22,176.00	528.00	149.98
22,176.00	22,704.00	528.00	178.74
22,704.00	23,232.00	528.00	141.44
23,232.00	23,760.00	528.00	219.93
23,760.00	24,288.00	528.00	97.05
24,288.00	24,816.00	528.00	84.36
24,816.00	25,344.00	528.00	108.27
25,344.00	25,872.00	528.00	92.18
25,872.00	26,400.00	528.00	102.63
26,400.00	26,928.00	528.00	107.08
26,928.00	27,456.00	528.00	141.62
27,456.00	27,984.00	528.00	159.39
27,984.00	28,512.00	528.00	226.24
28,512.00	29,040.00	528.00	203.30
29,040.00	29,568.00	528.00	163.35
29,568.00	30,096.00	528.00	126.82
30,096.00	30,624.00	528.00	137.93
30,624.00	31,152.00	528.00	120.90
31,152.00	31,680.00	528.00	137.61
31,680.00	32,208.00	528.00	122.57
32,208.00	32,736.00	528.00	120.30
32,736.00	32,982.58	245.75	133.08



Analysis: Ride Quality

Inputs

Threshold (in/mi): 75.00

Segment Length (ft): 528.00

Selections

File	Profile	Section	Apply 250mm Filter
NB PM 38.2 to 44.2, T1 to T2 - 2	Track 1	Full	Yes
NB PM 38.2 to 44.2, T1 to T2 - 2	Track 2	Full	Yes

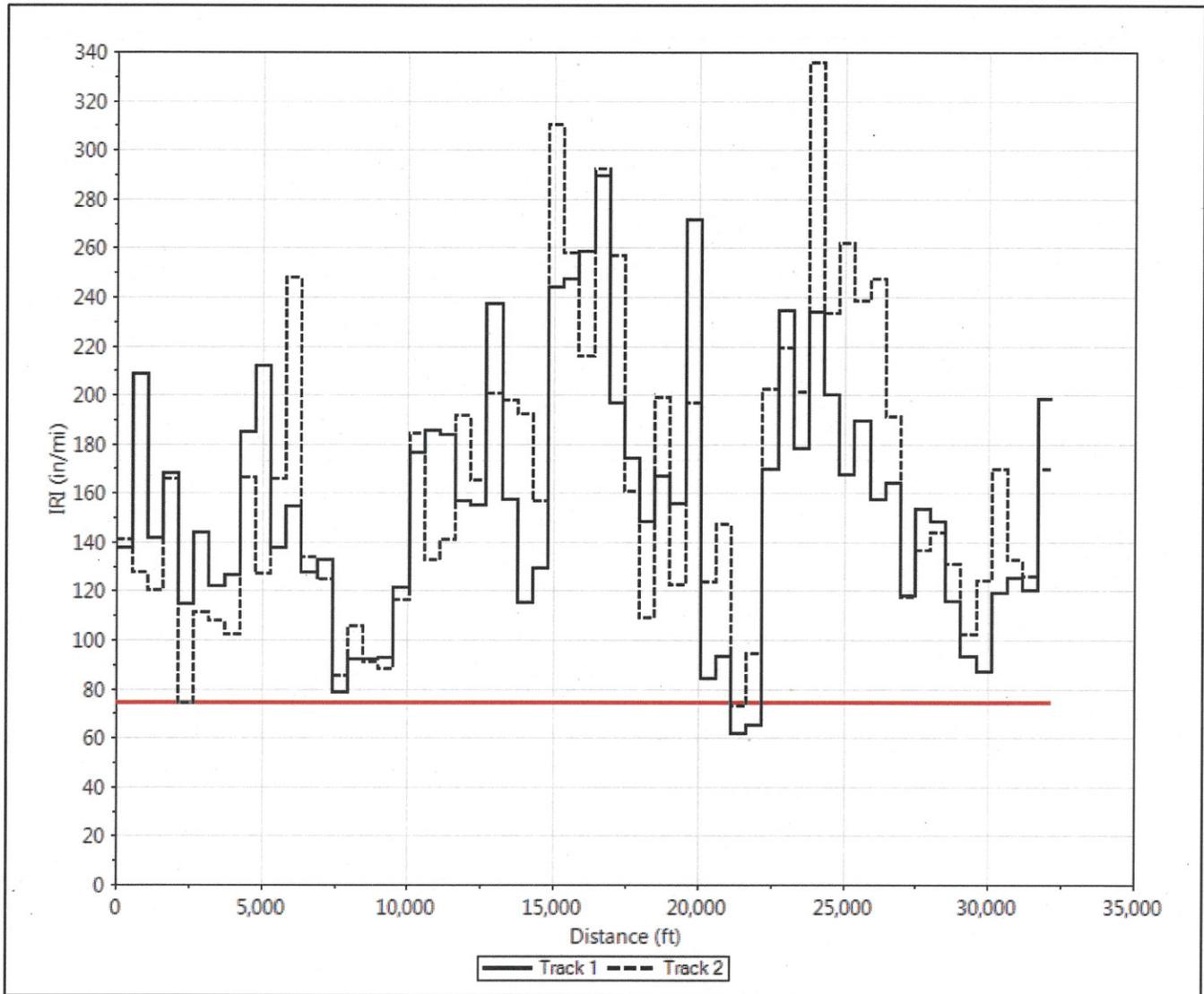
Leave-outs

Results

NB PM 38.2 to 44.2, T1 to T2 - 2

Start Distance (ft)	Stop Distance (ft)	Length (ft)	Track 1 - IRI (in/mi)	Track 2 - IRI (in/mi)
0.00	528.00	528.00	137.60	141.05
528.00	1,056.00	528.00	208.61	127.84
1,056.00	1,584.00	528.00	141.70	120.20
1,584.00	2,112.00	528.00	167.79	165.91
2,112.00	2,640.00	528.00	114.87	74.19
2,640.00	3,168.00	528.00	144.11	111.47
3,168.00	3,696.00	528.00	121.83	107.91
3,696.00	4,224.00	528.00	126.29	102.01
4,224.00	4,752.00	528.00	184.79	166.41
4,752.00	5,280.00	528.00	211.66	127.26
5,280.00	5,808.00	528.00	137.66	165.99
5,808.00	6,336.00	528.00	154.67	247.56
6,336.00	6,864.00	528.00	127.85	133.82
6,864.00	7,392.00	528.00	132.49	124.60
7,392.00	7,920.00	528.00	78.64	85.55
7,920.00	8,448.00	528.00	92.07	105.85
8,448.00	8,976.00	528.00	92.25	90.91
8,976.00	9,504.00	528.00	92.69	88.37
9,504.00	10,032.00	528.00	121.56	116.05
10,032.00	10,560.00	528.00	176.42	184.09
10,560.00	11,088.00	528.00	185.18	132.48
11,088.00	11,616.00	528.00	183.52	140.80
11,616.00	12,144.00	528.00	156.67	191.84
12,144.00	12,672.00	528.00	155.18	165.00
12,672.00	13,200.00	528.00	237.15	200.79
13,200.00	13,728.00	528.00	157.59	197.79
13,728.00	14,256.00	528.00	115.34	192.31
14,256.00	14,784.00	528.00	129.11	156.69
14,784.00	15,312.00	528.00	243.91	310.23
15,312.00	15,840.00	528.00	247.10	257.68
15,840.00	16,368.00	528.00	258.32	215.57
16,368.00	16,896.00	528.00	289.22	292.33
16,896.00	17,424.00	528.00	196.83	256.92
17,424.00	17,952.00	528.00	174.43	160.56
17,952.00	18,480.00	528.00	148.42	109.18
18,480.00	19,008.00	528.00	166.88	199.20

Start Distance (ft)	Stop Distance (ft)	Length (ft)	Track 1 - IRI (in/mi)	Track 2 - IRI (in/mi)
19,008.00	19,536.00	528.00	155.40	122.27
19,536.00	20,064.00	528.00	271.29	196.48
20,064.00	20,592.00	528.00	84.17	123.51
20,592.00	21,120.00	528.00	93.43	147.20
21,120.00	21,648.00	528.00	61.66	73.18
21,648.00	22,176.00	528.00	65.02	94.45
22,176.00	22,704.00	528.00	169.64	202.25
22,704.00	23,232.00	528.00	234.19	219.19
23,232.00	23,760.00	528.00	178.13	200.91
23,760.00	24,288.00	528.00	233.87	335.46
24,288.00	24,816.00	528.00	200.06	233.03
24,816.00	25,344.00	528.00	167.44	261.90
25,344.00	25,872.00	528.00	189.12	238.42
25,872.00	26,400.00	528.00	157.32	247.48
26,400.00	26,928.00	528.00	163.89	191.29
26,928.00	27,456.00	528.00	117.92	117.32
27,456.00	27,984.00	528.00	153.58	136.37
27,984.00	28,512.00	528.00	148.24	144.08
28,512.00	29,040.00	528.00	116.01	130.83
29,040.00	29,568.00	528.00	93.11	102.52
29,568.00	30,096.00	528.00	87.04	124.09
30,096.00	30,624.00	528.00	119.15	169.71
30,624.00	31,152.00	528.00	125.05	132.62
31,152.00	31,680.00	528.00	120.29	125.90
31,680.00	32,116.33	435.50	198.25	169.46



Analysis: Ride Quality

Inputs

Threshold (in/mi): 75.00

Segment Length (ft): 528.00

Selections

File	Section	Apply 250mm Filter
NB PM 38.2 to 44.2. T1 to T2 - 2	Full	Yes

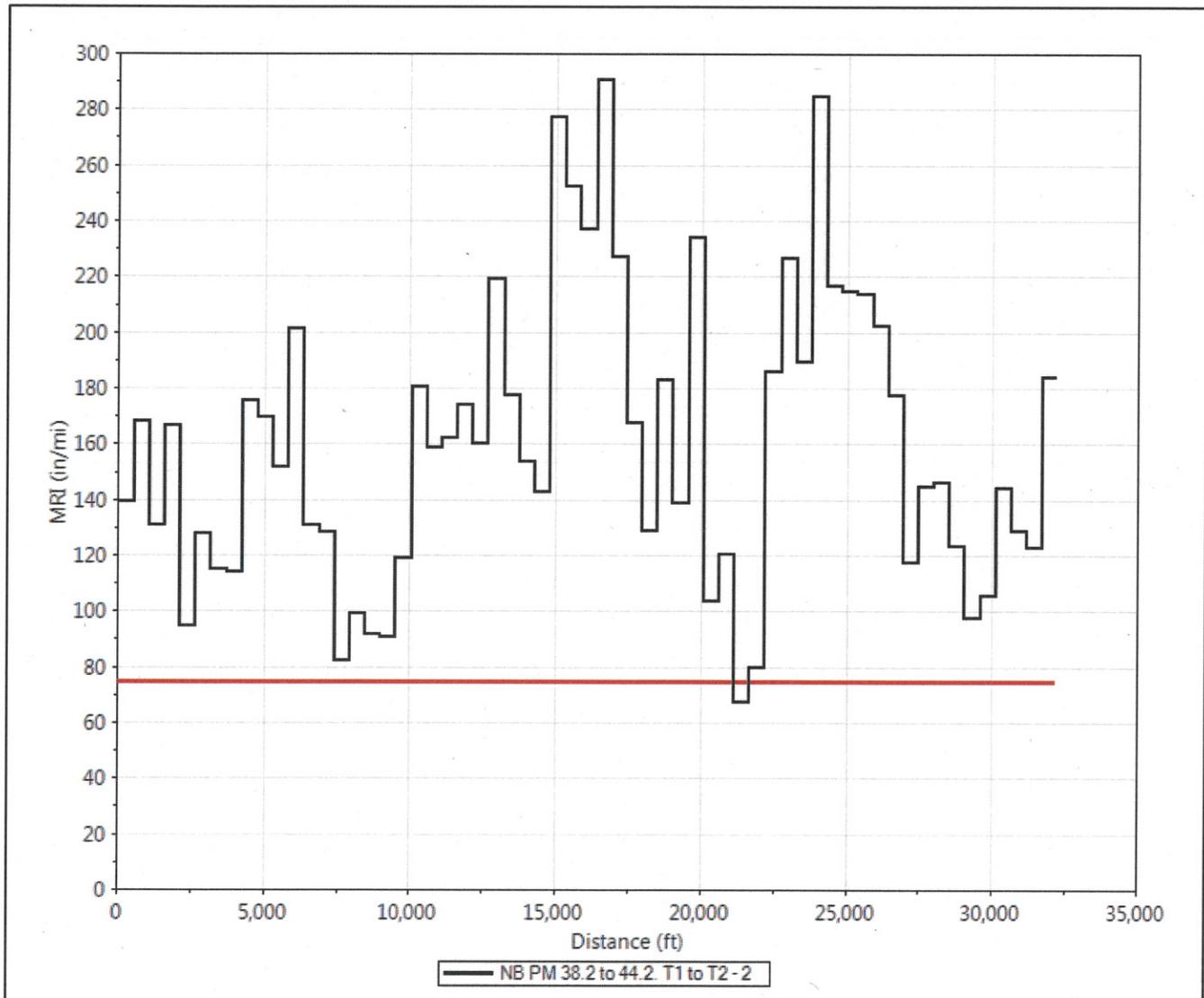
Leave-outs

Results

NB PM 38.2 to 44.2. T1 to T2 - 2

Start Distance (ft)	Stop Distance (ft)	Length (ft)	MRI (in/mi)
0.00	528.00	528.00	139.33
528.00	1,056.00	528.00	168.23
1,056.00	1,584.00	528.00	130.95
1,584.00	2,112.00	528.00	166.85
2,112.00	2,640.00	528.00	94.53
2,640.00	3,168.00	528.00	127.79
3,168.00	3,696.00	528.00	114.87
3,696.00	4,224.00	528.00	114.15
4,224.00	4,752.00	528.00	175.60
4,752.00	5,280.00	528.00	169.46
5,280.00	5,808.00	528.00	151.83
5,808.00	6,336.00	528.00	201.11
6,336.00	6,864.00	528.00	130.83
6,864.00	7,392.00	528.00	128.55
7,392.00	7,920.00	528.00	82.09
7,920.00	8,448.00	528.00	98.96
8,448.00	8,976.00	528.00	91.58
8,976.00	9,504.00	528.00	90.53
9,504.00	10,032.00	528.00	118.81
10,032.00	10,560.00	528.00	180.26
10,560.00	11,088.00	528.00	158.83
11,088.00	11,616.00	528.00	162.16
11,616.00	12,144.00	528.00	174.25
12,144.00	12,672.00	528.00	160.09
12,672.00	13,200.00	528.00	218.97
13,200.00	13,728.00	528.00	177.69
13,728.00	14,256.00	528.00	153.83
14,256.00	14,784.00	528.00	142.90
14,784.00	15,312.00	528.00	277.07
15,312.00	15,840.00	528.00	252.39
15,840.00	16,368.00	528.00	236.95
16,368.00	16,896.00	528.00	290.78
16,896.00	17,424.00	528.00	226.87
17,424.00	17,952.00	528.00	167.50
17,952.00	18,480.00	528.00	128.80
18,480.00	19,008.00	528.00	183.04
19,008.00	19,536.00	528.00	138.83

Start Distance (ft)	Stop Distance (ft)	Length (ft)	MRI (in/mi)
19,536.00	20,064.00	528.00	233.88
20,064.00	20,592.00	528.00	103.84
20,592.00	21,120.00	528.00	120.32
21,120.00	21,648.00	528.00	67.42
21,648.00	22,176.00	528.00	79.73
22,176.00	22,704.00	528.00	185.94
22,704.00	23,232.00	528.00	226.69
23,232.00	23,760.00	528.00	189.52
23,760.00	24,288.00	528.00	284.67
24,288.00	24,816.00	528.00	216.55
24,816.00	25,344.00	528.00	214.67
25,344.00	25,872.00	528.00	213.77
25,872.00	26,400.00	528.00	202.40
26,400.00	26,928.00	528.00	177.59
26,928.00	27,456.00	528.00	117.62
27,456.00	27,984.00	528.00	144.97
27,984.00	28,512.00	528.00	146.16
28,512.00	29,040.00	528.00	123.42
29,040.00	29,568.00	528.00	97.81
29,568.00	30,096.00	528.00	105.57
30,096.00	30,624.00	528.00	144.43
30,624.00	31,152.00	528.00	128.83
31,152.00	31,680.00	528.00	123.09
31,680.00	32,116.33	435.50	183.86



Analysis: Ride Quality

Inputs

Threshold (in/mi): 75.00

Segment Length (ft): 528.00

Selections

File	Profile	Section	Apply 250mm Filter
SB PM 44.2 to 38.2. T1 to T2 - 1	Track 1	Full	Yes
SB PM 44.2 to 38.2. T1 to T2 - 1	Track 2	Full	Yes

Leave-outs

Results

SB PM 44.2 to 38.2. T1 to T2 - 1

Start Distance (ft)	Stop Distance (ft)	Length (ft)	Track 1 - IRI (in/mi)	Track 2 - IRI (in/mi)
0.00	528.00	528.00	138.37	140.36
528.00	1,056.00	528.00	122.69	165.49
1,056.00	1,584.00	528.00	168.54	188.71
1,584.00	2,112.00	528.00	129.44	137.56
2,112.00	2,640.00	528.00	165.73	167.46
2,640.00	3,168.00	528.00	103.60	129.79
3,168.00	3,696.00	528.00	151.53	210.04
3,696.00	4,224.00	528.00	130.26	133.26
4,224.00	4,752.00	528.00	150.61	132.99
4,752.00	5,280.00	528.00	124.46	163.91
5,280.00	5,808.00	528.00	169.05	187.30
5,808.00	6,336.00	528.00	141.54	192.07
6,336.00	6,864.00	528.00	201.90	167.96
6,864.00	7,392.00	528.00	166.30	281.03
7,392.00	7,920.00	528.00	168.69	224.77
7,920.00	8,448.00	528.00	205.61	183.99
8,448.00	8,976.00	528.00	251.83	277.30
8,976.00	9,504.00	528.00	277.93	276.93
9,504.00	10,032.00	528.00	231.09	246.90
10,032.00	10,560.00	528.00	257.56	239.59
10,560.00	11,088.00	528.00	212.96	229.64
11,088.00	11,616.00	528.00	86.43	141.81
11,616.00	12,144.00	528.00	80.45	110.27
12,144.00	12,672.00	528.00	79.97	130.42
12,672.00	13,200.00	528.00	87.17	156.21
13,200.00	13,728.00	528.00	105.66	138.25
13,728.00	14,256.00	528.00	115.33	261.51
14,256.00	14,784.00	528.00	146.14	167.17
14,784.00	15,312.00	528.00	141.13	176.74
15,312.00	15,840.00	528.00	172.29	208.52
15,840.00	16,368.00	528.00	241.06	314.14
16,368.00	16,896.00	528.00	228.81	287.05
16,896.00	17,424.00	528.00	157.02	197.87
17,424.00	17,952.00	528.00	238.77	220.45
17,952.00	18,480.00	528.00	327.23	582.42
18,480.00	19,008.00	528.00	178.89	212.56

Start Distance (ft)	Stop Distance (ft)	Length (ft)	Track 1 - IRI (in/mi)	Track 2 - IRI (in/mi)
19,008.00	19,536.00	528.00	119.09	138.72
19,536.00	20,064.00	528.00	134.12	162.32
20,064.00	20,592.00	528.00	165.58	150.51
20,592.00	21,120.00	528.00	121.21	135.09
21,120.00	21,648.00	528.00	122.23	156.45
21,648.00	22,176.00	528.00	132.20	167.75
22,176.00	22,704.00	528.00	189.20	168.27
22,704.00	23,232.00	528.00	137.69	145.19
23,232.00	23,760.00	528.00	210.55	229.32
23,760.00	24,288.00	528.00	93.78	100.32
24,288.00	24,816.00	528.00	84.39	84.33
24,816.00	25,344.00	528.00	103.27	113.28
25,344.00	25,872.00	528.00	95.35	89.02
25,872.00	26,400.00	528.00	97.45	107.81
26,400.00	26,928.00	528.00	108.19	105.98
26,928.00	27,456.00	528.00	162.15	121.09
27,456.00	27,984.00	528.00	138.91	179.87
27,984.00	28,512.00	528.00	188.30	264.19
28,512.00	29,040.00	528.00	177.08	229.53
29,040.00	29,568.00	528.00	152.59	174.11
29,568.00	30,096.00	528.00	119.35	134.28
30,096.00	30,624.00	528.00	126.16	149.70
30,624.00	31,152.00	528.00	116.10	125.70
31,152.00	31,680.00	528.00	130.84	144.37
31,680.00	32,208.00	528.00	112.72	132.41
32,208.00	32,736.00	528.00	125.52	115.08
32,736.00	32,982.58	245.75	119.22	146.93

