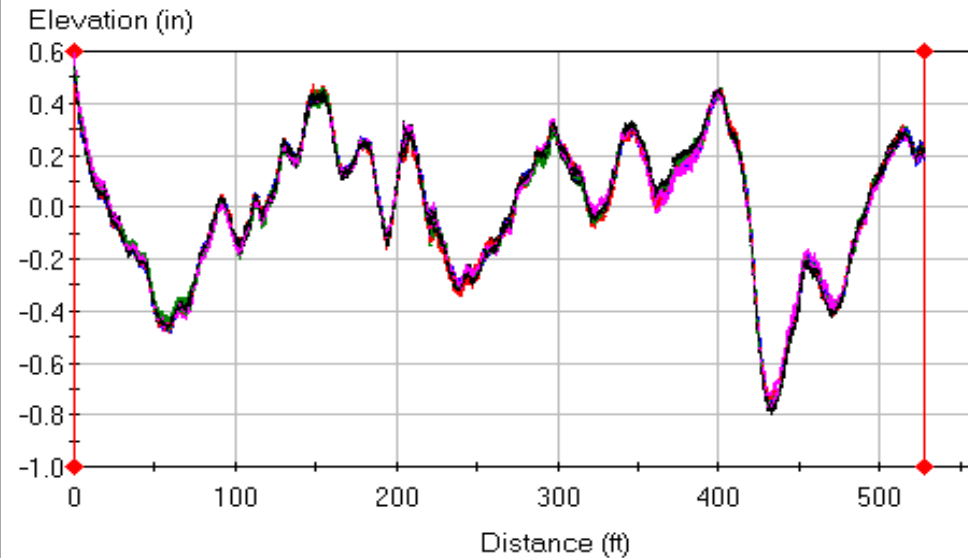


ProVal Report

SSI CS8800 Walking Profiler

Repeatability and Accuracy Verification



- SSI FHWA Test Run 01_080812 000: LElev.
- SSI FHWA Test Run 02_080812 000: LElev.
- SSI FHWA Test Run 03_080812 000: LElev.
- SSI FHWA Test Run 04_080812 000: LElev.
- SSI FHWA Test Run 05_080812 000: LElev.
- - - SSI FHWA Test Run 06_080812 000: LElev.
- - - SSI FHWA Test Run 07_080812 000: LElev.
- - - SSI FHWA Test Run 08_080812 000: LElev.
- - - SSI FHWA Test Run 09_080812 000: LElev.
- - - SSI FHWA Test Run 10_080812 000: LElev.

ProVal Analysis - Profiler Certification

Input	Value	Unit
Max Offset	0.5 ft	
Repeatability Passing Score	98	
Accuracy Passing Score	98 %	

Comparison Filter: IRI (with 250mm Filter)

Comparison Files:

File	Run
SSI FHWA Test Run 02_080812 000	1
SSI FHWA Test Run 03_080812 000	2
SSI FHWA Test Run 04_080812 000	3
SSI FHWA Test Run 05_080812 000	4
SSI FHWA Test Run 06_080812 000	5
SSI FHWA Test Run 07_080812 000	6



SSI CS8800 Walking Profiler

SSI FHWA Test Run 08_080812 000	7
SSI FHWA Test Run 09_080812 000	8
SSI FHWA Test Run 10_080812 000	9

Repeatability Correlations - Left (%)

Run	2	3	4	5	6	7	8	9
1	99	98	99	98	99	99	99	98
2	-	99	99	99	98	98	99	99
3	-	-	99	99	98	98	99	99
4	-	-	-	98	98	98	98	98
5	-	-	-	-	97	98	98	99
6	-	-	-	-	-	99	98	98
7	-	-	-	-	-	-	98	98
8	-	-	-	-	-	-	-	99

Repeatability Offsets - Left (ft)

Run	2	3	4	5	6	7	8	9
1	-0.2	-0.2	-0.1	-0.2	0	0	0.1	0.1
2	-	0.1	0.2	0	0.2	0.2	0.3	0.3
3	-	-	0.1	-0.1	0.2	0.1	0.2	0.2
4	-	-	-	-0.2	0.1	0.1	0.2	0.2
5	-	-	-	-	0.2	0.2	0.3	0.3
6	-	-	-	-	-	0	0.1	0.1
7	-	-	-	-	-	-	0.1	0.1
8	-	-	-	-	-	-	-	0

Accuracy

Run	Left	Right
1	98	-
2	99	-
3	99	-
4	99	-
5	99	-
6	98	-
7	98	-
8	99	-
9	99	-

Statistics

	Repeatability - Left	Repeatability - Right	Accuracy - Left	Accuracy - Right
Comparison Count	36	0	9	0
% Passing	100 -		100 -	
Mean	98 -		99 -	
Minimum	97 -		98 -	
Maximum	99 -		99 -	
Standard Deviation	0.5 -		0.6 -	
Grade	Passed -		Passed -	