

ODOT PROFILOGRAPH MACHINE CERTIFICATION

Date: August 31, 2023

Company or Residency: SHERWOOD CONSTRUCTION CO

Operator Name: CLINT PALMER 2910

Operator Email: Clint.Palmer@SHERWOOD.NET
(For future notifications)

Supervisor Name: MARKO DJUKIC

Supervisor Email: MARKO.DJUKIC@SHERWOOD.NET
(For future notifications)

Machine Manufacturer and Type SSI HIGH SPEED PROFILER

Machine Serial Number A-154

RESULT

Trace No. 1 (East Bound) 36.80

Trace No. 2 (West Bound) 69.40

Evaluator Signature _____

Machine Ordinal _____

SSI Profiler 3.4.4.86
 Licensed to Sherwood Companies - Tulsa, Oklahoma

Data File: EB Certification 2023.rsd

Stations: Run 1 - 0+00.0 to 5+28.1
 Start GPS: 36 11' 50.5380" N 95 50' 26.5678" W
 End GPS: 36 11' 50.5080" N 95 50' 20.1310" W

Run Speed (Avg, Max, Min):
 Run 1 - 25.5, 26, 23.3 mph

Total Distance:
 Run 1 - 528.0 ft

Date Tested:
 Run 1 - 8/31/2023 9:33:59 AM

File Modifications:
 Run 1 - No Modifications Found

Project Parameters
 State: Oklahoma
 Contractor: Sherwood Construction Co
 Pavement Type: Race Track
 Traffic Direction: WB
 Operator: Clint Palmer ODOT #2910

Calibration Settings
 Distance: 328535 encoder counts in 528.0 ft
 Track 1:
 Height Sensor Type: RoLine 1145, Gocator 2342/1150/1350
 Height Sensor Level Reading: 4.79 in.
 Accelerometer Constant: 6347.1265

Filter Settings
 Filter Type: Butterworth
 Filter Width: 6.000 ft
 Filter Gain: 1.00

Scallop Parameters
 Minimum Height: 0.030 in (Inclusive)
 Minimum Length: 2.000 ft
 Resolution: 0.010 in
 Blanking Band: 0.000 in

Localized Roughness Settings
 Simulated Profilograph Data Used for Defects Analysis
 Excluding Defects Less than: 2.0 ft
 Bump Height: 0.60 in
 Bump Width: 25.00 ft

Report Settings
 Highlight RI values below 0.00 in/mi

Summary - Run 1 - EB 2023 Calibration - Lane 1				
Track 1				
Segment	Station (ft)	Defects	Rough (in)	PRI (in/mi)
<u>1</u>	0+00.0	0	3.68	36.80
	5+28.0			
	0+00.0	0	3.68	36.80
	5+28.0			

No defects found for Run 1

No user events found for Run 1

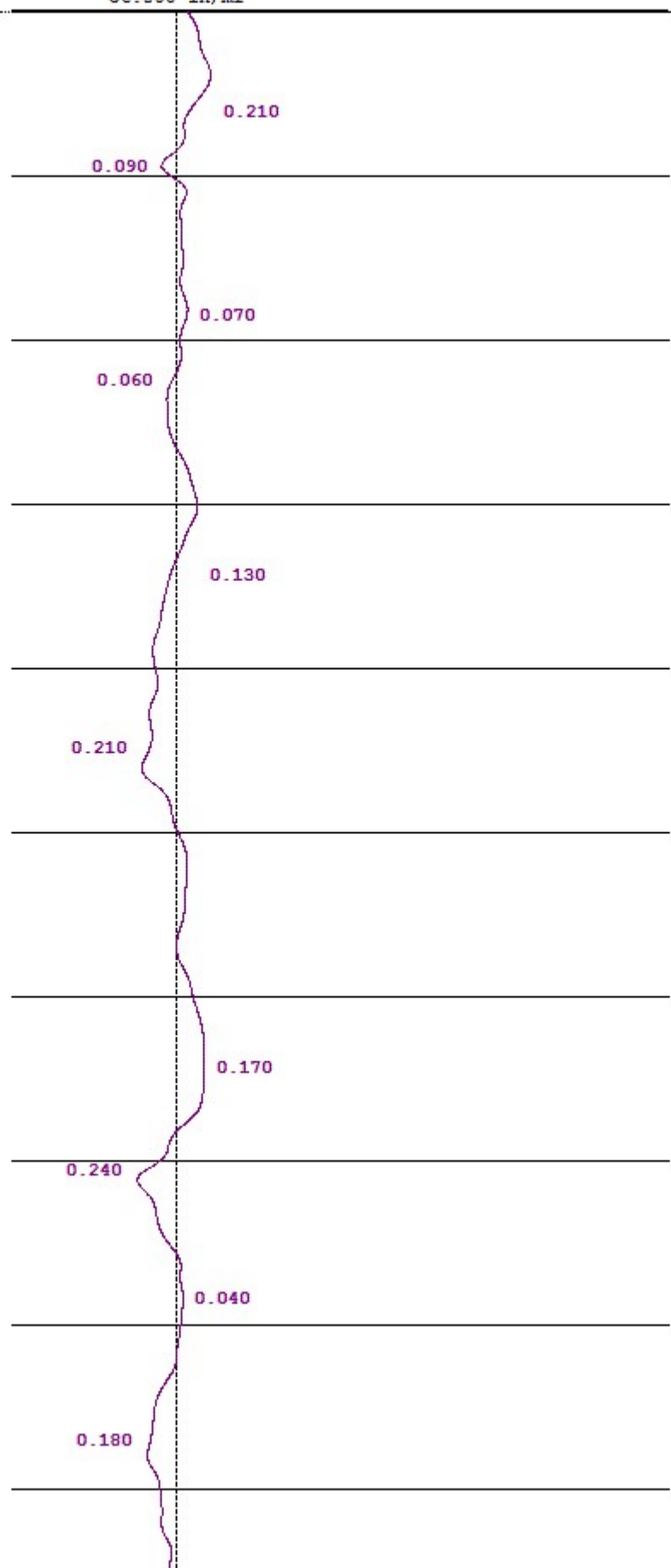
PRI:

Track 1
36.800 in/mi

1>

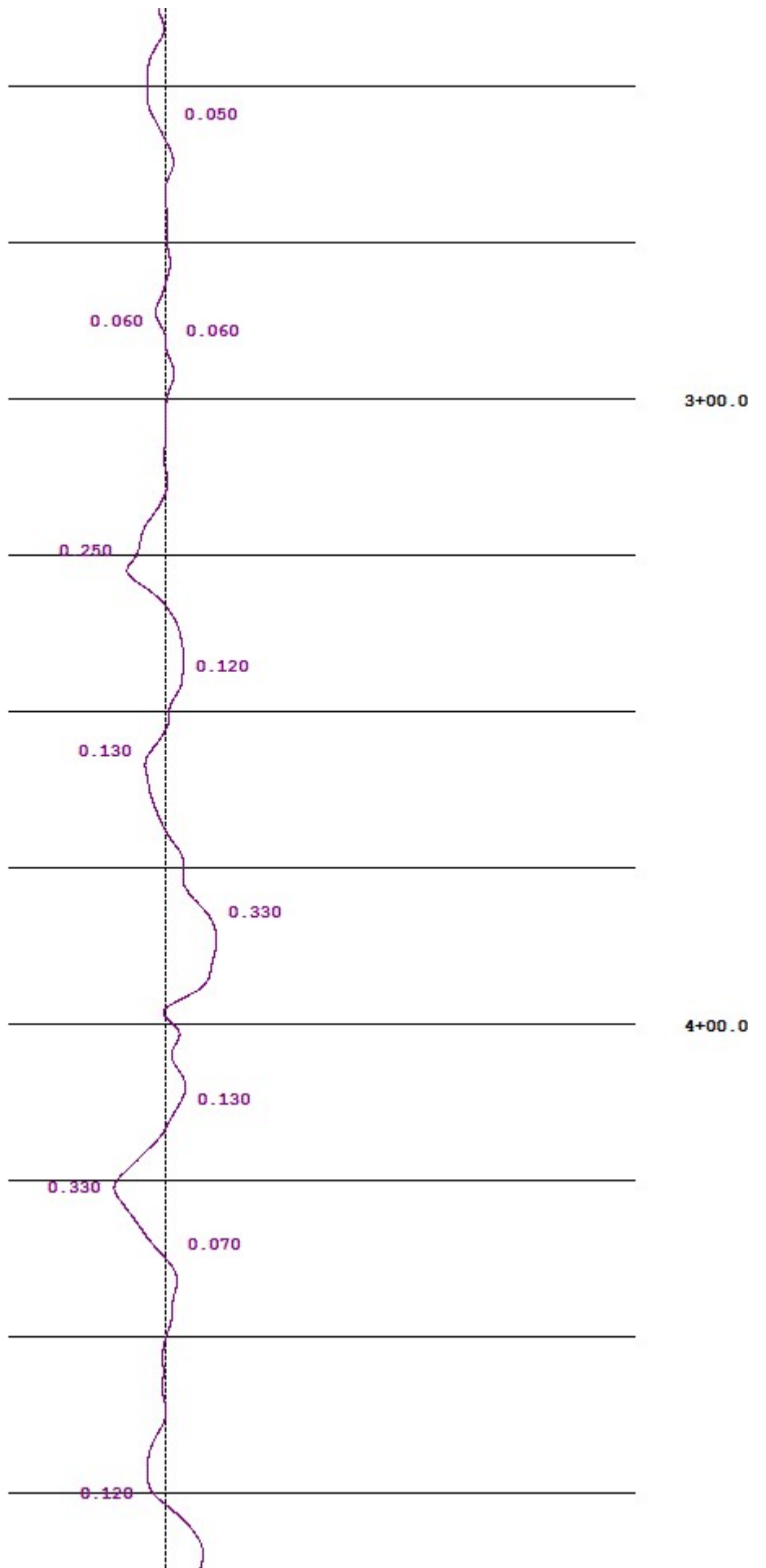
0+00.0

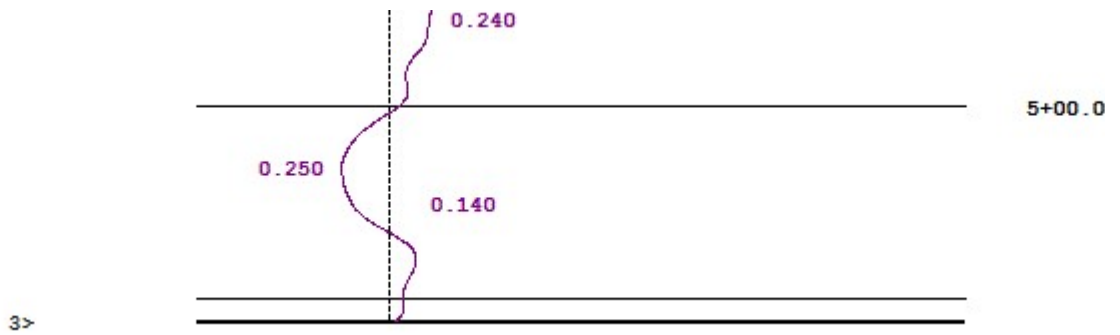
Seg 1
0+00.0
5+28.0
528 ft
PRI 36.8



1+00.0

2+00.0





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Notes - Track 1

1. Start Collection @ 0+00.0
2. Speed @ 0+09.4 ft = 23.3 mph
3. End Collection @ 5+28.0

Data File: EB Certification 2023.rsd

Stations: Run 1 - 0+00.0 to 5+28.1
 Start GPS: 36 11' 50.5380" N 95 50' 26.5678" W
 End GPS: 36 11' 50.5080" N 95 50' 20.1310" W

Run Speed (Avg, Max, Min):
 Run 1 - 25.5, 26, 23.3 mph

Total Distance:
 Run 1 - 528.0 ft

Date Tested:
 Run 1 - 8/31/2023 9:33:59 AM

File Modifications:
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 State: Oklahoma
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 Pavement Type: Race Track
 Traffic Direction: WB
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 Distance: 328535 encoder counts in 528.0 ft
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 Height Sensor Type: RoLine 1145, Gocator 2342/1150/1350
 Height Sensor Level Reading: 4.79 in.
 Accelerometer Constant: 6347.1265

Filter Settings
 Filter Type: Butterworth
 Filter Width: 6.000 ft
 Filter Gain: 1.00

Scallop Parameters
 Minimum Height: 0.030 in (Inclusive)
 Minimum Length: 2.000 ft
 Resolution: 0.010 in
 Blanking Band: 0.000 in

Localized Roughness Settings
 Simulated Profilograph Data Used for Defects Analysis
 Excluding Defects Less than: 2.0 ft
 Bump Height: 0.60 in
 Bump Width: 25.00 ft

Report Settings
 Highlight RI values below 0.00 in/mi

Summary - Run 1 - EB 2023 Calibration - Lane 1

Track 1

Segment	Station (ft)	Defects	Rough (in)	PRI (in/mi)

Summary - Run 1 - EB 2023 Calibration - Lane 1

Track 1

Segment	Station (ft)	Defects	Rough (in)	PRI (in/mi)
<u>1</u>	0+00.0	0	3.68	36.80
	5+28.0			
	0+00.0	0	3.68	36.80
	5+28.0			

No defects found for Run 1

No user events found for Run 1

Certified by: _____

Title: _____

Organization: _____

SSI Profiler 3.4.4.86
Licensed to Sherwood Companies - Tulsa, Oklahoma

Data File: WB Certification 2023.rsd

Stations: Run 1 - 0+00.0 to 5+28.1
Start GPS: 36 11' 50.7360" N 95 50' 13.5491" W
End GPS: 36 11' 50.7481" N 95 50' 19.9885" W

Run Speed (Avg, Max, Min):
Run 1 - 24.8, 26, 20.1 mph

Total Distance:
Run 1 - 528.0 ft

Date Tested:
Run 1 - 8/31/2023 9:38:24 AM

File Modifications:
Run 1 - No Modifications Found

Project Parameters
State: Oklahoma
Contractor: Sherwood Construction Co
Pavement Type: Race Track
Traffic Direction: WB
Operator: Clint Palmer ODOT #2910

Calibration Settings
Distance: 328535 encoder counts in 528.0 ft
Track 1:
Height Sensor Type: RoLine 1145, Gocator 2342/1150/1350
Height Sensor Level Reading: 4.79 in.
Accelerometer Constant: 6347.1265

Filter Settings
Filter Type: Butterworth
Filter Width: 6.000 ft
Filter Gain: 1.00

Scallop Parameters
Minimum Height: 0.030 in (Inclusive)
Minimum Length: 2.000 ft
Resolution: 0.010 in
Blanking Band: 0.000 in

Localized Roughness Settings
Simulated Profilograph Data Used for Defects Analysis
Excluding Defects Less than: 2.0 ft
Bump Height: 0.60 in
Bump Width: 25.00 ft

Report Settings
Highlight RI values below 0.00 in/mi

Summary - Run 1 - WB 2023 Certification - Lane 1				
Track 1				
Segment	Station (ft)	Defects	Rough (in)	PRI (in/mi)
<u>1</u>	0+00.0	2	6.94	69.40
	5+28.0			
	0+00.0	2	6.94	69.40
	5+28.0			

Defect Locations - Run 1 - By Station									
Defect Type	Track	Segment	Start (ft)	End (ft)	Length (ft)	Peak Height (in)	Peak Station (ft)	Closest GPS	
1	Bump	1	1	0+64.8	0+74.6	9.8	0.71	0+71.2	36 11' 50.7368" N 95 50' 14.4130" W
2	Bump	1	1	1+47.8	1+51.0	3.2	0.63	1+49.6	36 11' 50.7420" N 95 50' 15.3680" W

Track 1 defects: 2
Total defects: 2

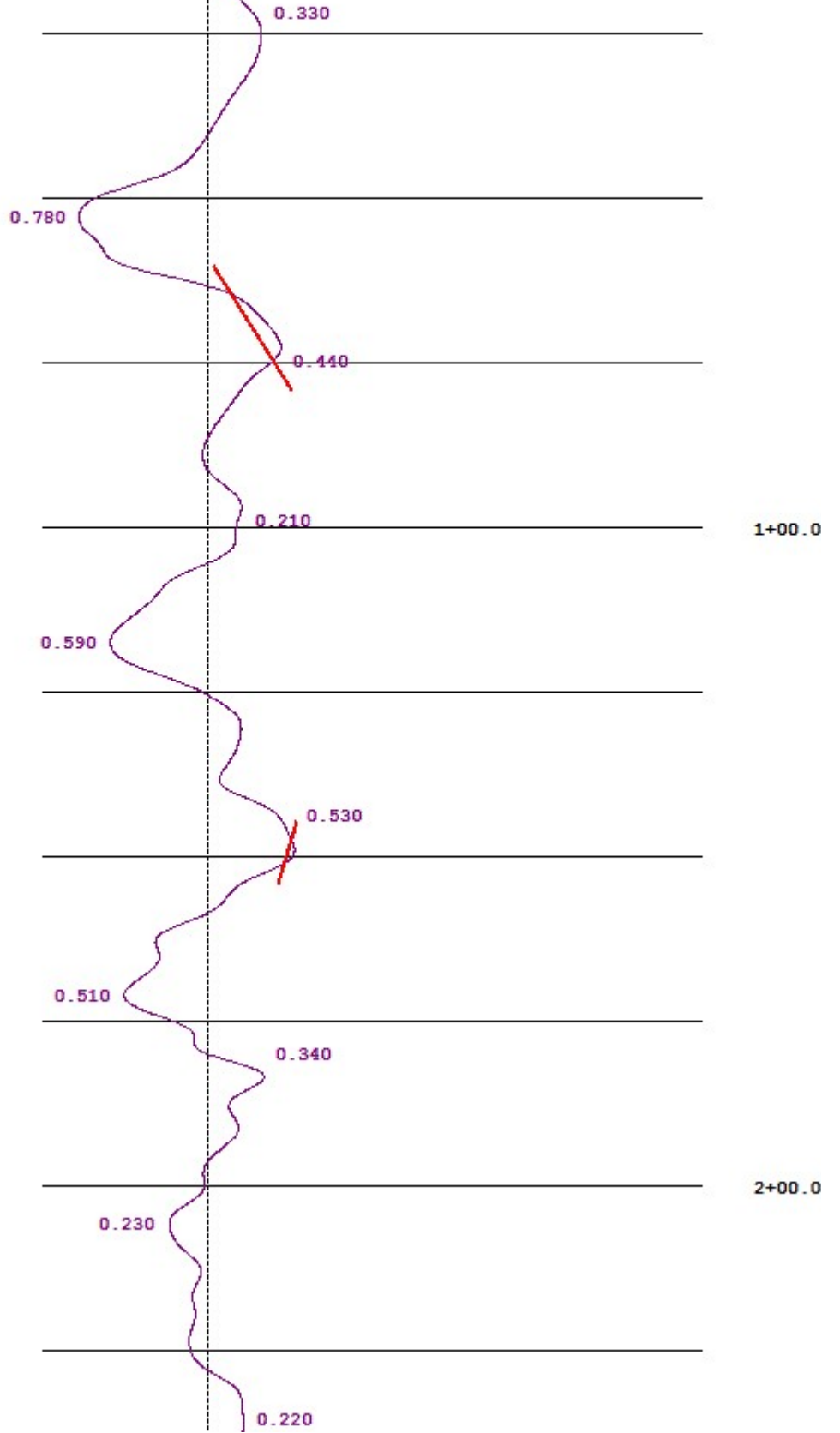
No user events found for Run 1

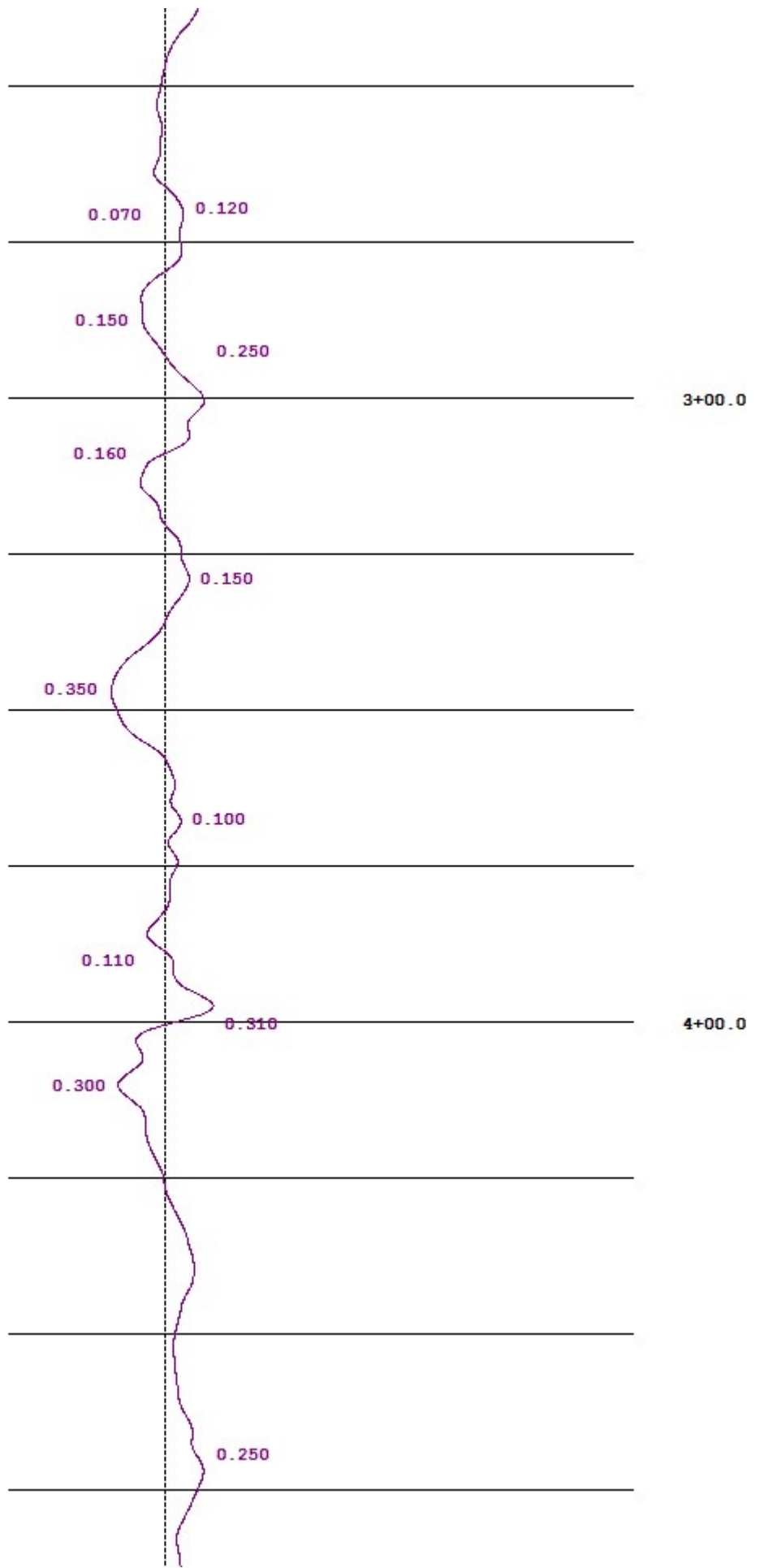
PRI:

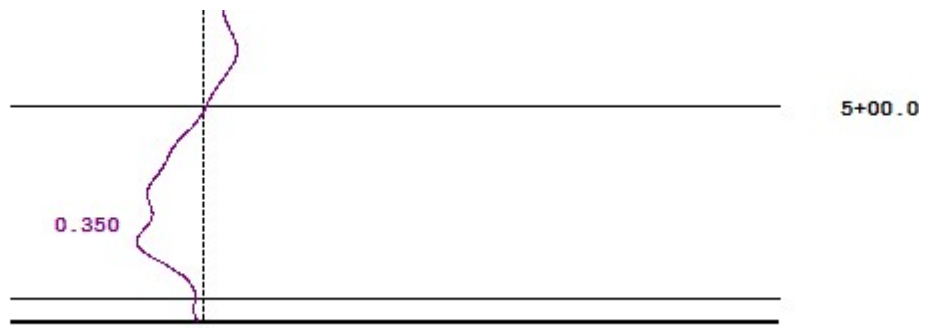
Track 1
69.400 in/mi

1+-----0+00:0

Seg 1
0+00.0
5+28.0
528 ft
PRI 69.4







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Notes - Track 1

1. Start Collection @ 0+00.0
2. Speed @ 0+14.3 ft = 20.1 mph
3. End Collection @ 5+28.0

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Summary - Run 1 - WB 2023 Certification - Lane 1

Track 1

Segment	Station (ft)	Defects	Rough (in)	PRI (in/mi)

Summary - Run 1 - WB 2023 Certification - Lane 1

Track 1

Segment	Station (ft)	Defects	Rough (in)	PRI (in/mi)
<u>1</u>	0+00.0	2	6.94	69.40
	5+28.0			
	0+00.0	2	6.94	69.40
	5+28.0			

Defect Locations - Run 1 - By Station

Defect Type	Track	Segment	Start (ft)	End (ft)	Length (ft)	Peak Height (in)	Peak Station (ft)	Closest GPS	
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Track 1 defects: 2

Total defects: 2

No user events found for Run 1

Certified by: _____

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