

2022 - WB 64.00
ED 31.44

11-0164

ODOT PROFILOGRAPH MACHINE CERTIFICATION

Date: October 22, 2019

Company or Residency: EMERY SAPP AND SONS

Operator Name: RYAN LINTON

Operator Email: RYAN.LINTON@EMERYSAPP.COM
(For future notifications)

Supervisor Name: TYSON COLLINS

Supervisor Email: TYSON.COLLINS@EMERYSAPP.COM
(For future notifications)

Machine Manufacturer and Type SSI MID MOUNT High Speed

Machine Serial Number 2-450

RESULT

Trace No. 1 (East Bound) 33.69

Trace No. 2 (West Bound) 68.31

Signature



Machine Ordinal _____

Data File: 2023 EB.rsd

Stations: Run 1 - 0+00.0 to 5+31.2
 Start GPS: No GPS Data
 End GPS: No GPS Data
 Run 2 - 0+00.0 to 5+30.7
 Start GPS: No GPS Data
 End GPS: No GPS Data
 Run 3 - 0+00.0 to 5+30.7
 Start GPS: No GPS Data
 End GPS: No GPS Data

Run Speed (Avg, Max, Min):
 Run 1 - 30.1, 31.3, 28.4 mph
 Run 2 - 35.2, 36.5, 32.6 mph
 Run 3 - 39.9, 40.3, 39.7 mph

Total Distance: 10+61.8

Date [Paved/Corrected]:
 Run 1 - 7/5/2023 12:08:42 PM
 Run 2 - 7/5/2023 12:11:45 PM
 Run 3 - 7/5/2023 12:21:52 PM

Date Tested:
 Run 1 - 7/6/2023 12:08:42 PM
 Run 2 - 7/6/2023 12:11:45 PM
 Run 3 - 7/6/2023 12:21:52 PM

File Modifications:
 Run 1 - No Modifications Found
 Run 2 - No Modifications Found
 Run 3 - No Modifications Found

Project Parameters
 State: Oklahoma
 Contractor: Emery Sapp and Sons
 Pavement Type: Asphalt
 Traffic Direction: EB
 Highway: Tulsa Speedway
 Number of Lanes: 1
 Operator: Ryan Linton
 Equipment Number: 2-450

Calibration Settings
 Distance: 125636 encoder counts in 199.7 ft
 Track 1:
 Height Sensor Type: RoLine 1145, Gocator 2342/1150/1350
 Height Sensor Level Reading: 6.97 in.
 Accelerometer Constant: 9051.208

Filter Settings
 Filter Type: Butterworth
 Filter Width: 12.000 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 above 47.00 in/mi

Summary - Run 1				
Track 1				
Segment	Station (ft)	Defects	Rough (in)	PRI (in/mi)
<u>1</u>	0+00.0 5+31.1	0	3.37	33.50
	0+00.0 5+31.1	0	3.37	33.50

Summary - Run 2				
Track 2				
Segment	Station (ft)	Defects	Rough (in)	PRI (in/mi)
<u>1</u>	0+00.0	0	3.37	33.54
	5+30.6			
	0+00.0	0	3.37	33.54
	5+30.6			

Summary - Run 3				
Track 2				
Segment	Station (ft)	Defects	Rough (in)	PRI (in/mi)
<u>1</u>	0+00.0	0	3.42	34.03
	5+30.6			
	0+00.0	0	3.42	34.03
	5+30.6			

No defects found for Run 1

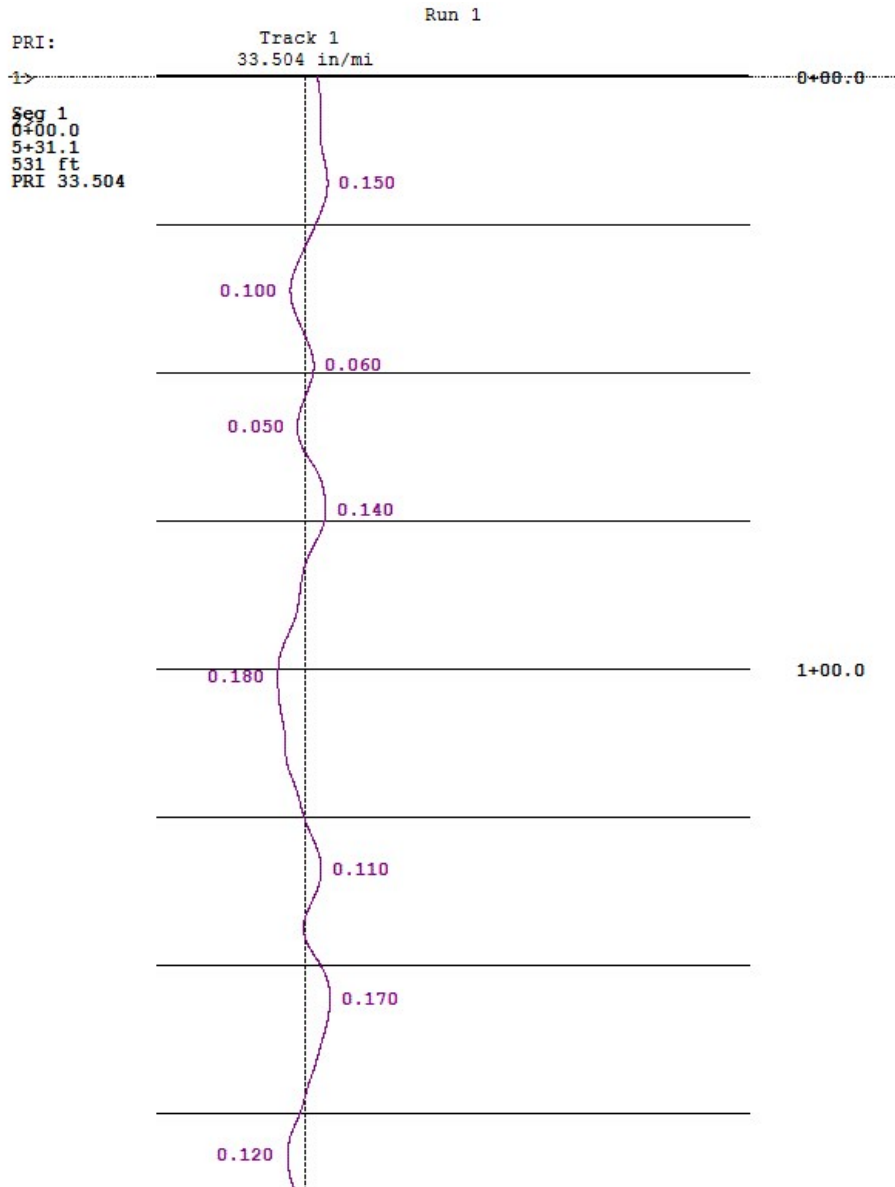
No defects found for Run 2

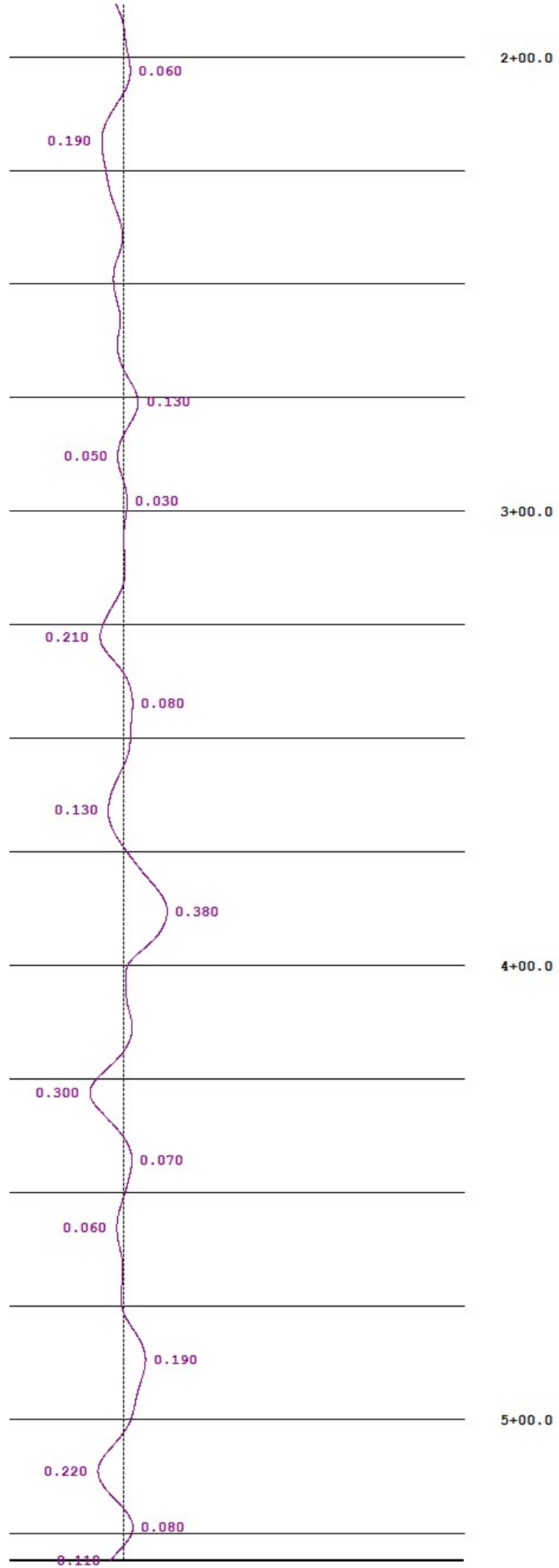
No defects found for Run 3

No user events found for Run 1

No user events found for Run 2

No user events found for Run 3





Notes - Track 1	Notes - Track 2
1. Start Collection @ 0+00.0	1. Start Collection @ 0+00.0
2. Speed @ 0+07.4 ft = 28.4 mph	2. Speed @ 0+07.4 ft = 28.4 mph
3. End Collection @ 5+31.1	3. End Collection @ 5+30.6

Data File: 2023 EB.rsd

Stations: Run 1 - 0+00.0 to 5+31.2
 Start GPS: No GPS Data
 End GPS: No GPS Data
 Run 2 - 0+00.0 to 5+30.7
 Start GPS: No GPS Data
 End GPS: No GPS Data
 Run 3 - 0+00.0 to 5+30.7
 Start GPS: No GPS Data
 End GPS: No GPS Data

Run Speed (Avg, Max, Min):
 Run 1 - 30.1, 31.3, 28.4 mph
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<u>1</u>	0+00.0 5+31.1	0	3.37	33.50

0+00.0	0	3.37	33.50
5+31.1			

Summary - Run 2

Track 2

Segment	Station (ft)	Defects	Rough (in)	PRI (in/mi)
<u>1</u>	0+00.0	0	3.37	33.54
	5+30.6			
	0+00.0	0	3.37	33.54
	5+30.6			

Summary - Run 3

Track 2

Segment	Station (ft)	Defects	Rough (in)	PRI (in/mi)
<u>1</u>	0+00.0	0	3.42	34.03
	5+30.6			
	0+00.0	0	3.42	34.03
	5+30.6			

No defects found for Run 1
 No defects found for Run 2
 No defects found for Run 3
 No user events found for Run 1
 No user events found for Run 2
 No user events found for Run 3

Certified by: _____
 Title: _____
 Organization: _____

Data File: 2023 wb.rsd

Stations: Run 1 - 0+00.0 to 5+29.6
 Start GPS: No GPS Data
 End GPS: No GPS Data
 Run 2 - 0+00.0 to 5+31.5
 Start GPS: No GPS Data
 End GPS: No GPS Data
 Run 3 - 0+00.0 to 5+33.5
 Start GPS: No GPS Data
 End GPS: No GPS Data

Run Speed (Avg, Max, Min):
 Run 1 - 26, 30.1, 17.3 mph
 Run 2 - 30.9, 36.8, 22.8 mph
 Run 3 - 33.7, 39.1, 25.1 mph

Total Distance: 10+63.1

Date [Paved/Corrected]:
 Run 1 - 7/5/2023 12:04:48 PM
 Run 2 - 7/5/2023 12:15:54 PM
 Run 3 - 7/5/2023 12:26:27 PM

Date Tested:
 Run 1 - 7/6/2023 12:04:48 PM
 Run 2 - 7/6/2023 12:15:54 PM
 Run 3 - 7/6/2023 12:26:27 PM

File Modifications:
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 Track 2:
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 Height Sensor Level Reading: 6.97 in.
 Accelerometer Constant: 9051.208

Filter Settings
 Filter Type: Butterworth
 Filter Width: 12.000 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 above 47.00 in/mi

Summary - Run 1				
Track 2				
Segment	Station (ft)	Defects	Rough (in)	PRI (in/mi)
<u>1</u>	0+00.0 5+29.5	1	6.12	61.03
	0+00.0 5+29.5	1	6.12	61.03

Summary - Run 2				
Track 1				
Segment	Station (ft)	Defects	Rough (in)	PRI (in/mi)
<u>1</u>	0+00.0 5+31.4	1	6.86	68.16
	0+00.0 5+31.4	1	6.86	68.16

Summary - Run 3				
Track 1				
Segment	Station (ft)	Defects	Rough (in)	PRI (in/mi)
<u>1</u>	0+00.0 5+33.4	1	6.93	68.60
	0+00.0 5+33.4	1	6.93	68.60

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	2	1	1+47.2	1+55.2	8.0	0.71	1+51.1	No Data

Track 2 defects: 1
Total defects: 1

Defect Locations - Run 2 - By Station									
Defect	Type	Track	Segment	Start (ft)	End (ft)	Length (ft)	Peak Height (in)	Peak Station (ft)	Closest GPS
1	Bump	1	1	1+47.5	1+55.9	8.4	0.73	1+51.6	No Data

Track 1 defects: 1
Total defects: 1

Defect Locations - Run 3 - By Station									
Defect	Type	Track	Segment	Start (ft)	End (ft)	Length (ft)	Peak Height (in)	Peak Station (ft)	Closest GPS
1	Bump	1	1	1+49.3	1+58.6	9.3	0.76	1+53.8	No Data

Track 1 defects: 1
Total defects: 1

No user events found for Run 1

No user events found for Run 2

No user events found for Run 3



Notes - Track 1	Notes - Track 2
1. Start Collection @ 0+00.0	1. Start Collection @ 0+00.0
2. End Collection @ 5+31.4	2. Speed @ 0+04.1 ft = 17.3 mph
	3. End Collection @ 5+29.5

Data File: 2023 wb.rsd

Stations: Run 1 - 0+00.0 to 5+29.6
Start GPS: No GPS Data
End GPS: No GPS Data
Run 2 - 0+00.0 to 5+31.5
Start GPS: No GPS Data
End GPS: No GPS Data
Run 3 - 0+00.0 to 5+33.5
Start GPS: No GPS Data
End GPS: No GPS Data

Run Speed (Avg, Max, Min):
Run 1 - 26, 30.1, 17.3 mph
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Total Distance: 10+63.1

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 Height Sensor Level Reading: 6.97 in.
 Accelerometer Constant: 9051.208

Filter Settings

Filter Type: Butterworth
 Filter Width: 12.000 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

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Summary - Run 1				
Track 2				
Segment	Station (ft)	Defects	Rough (in)	PRI (in/mi)
<u>1</u>	0+00.0	1	6.12	61.03
	5+29.5			
	0+00.0	1	6.12	61.03
	5+29.5			

Summary - Run 2				
Track 1				
Segment	Station (ft)	Defects	Rough (in)	PRI (in/mi)
<u>1</u>	0+00.0	1	6.86	68.16
	5+31.4			
	0+00.0	1	6.86	68.16
	5+31.4			

Summary - Run 3				
Track 1				
Segment	Station (ft)	Defects	Rough (in)	PRI (in/mi)
<u>1</u>	0+00.0	1	6.93	68.60
	5+33.4			
	0+00.0	1	6.93	68.60
	5+33.4			

Defect Locations - Run 1 - By Station				
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Defect	Type	Track	Segment	Start (ft)	End (ft)	Length (ft)	Peak Height (in)	Peak Station (ft)	Closest GPS
1	Bump	2	1	1+47.2	1+55.2	8.0	0.71	1+51.1	No Data

Track 2 defects: 1

Total defects: 1

Defect Locations - Run 2 - By Station									
Defect	Type	Track	Segment	Start (ft)	End (ft)	Length (ft)	Peak Height (in)	Peak Station (ft)	Closest GPS
1	Bump	1	1	1+47.5	1+55.9	8.4	0.73	1+51.6	No Data

Track 1 defects: 1

Total defects: 1

Defect Locations - Run 3 - By Station									
Defect	Type	Track	Segment	Start (ft)	End (ft)	Length (ft)	Peak Height (in)	Peak Station (ft)	Closest GPS
1	Bump	1	1	1+49.3	1+58.6	9.3	0.76	1+53.8	No Data

Track 1 defects: 1

Total defects: 1

No user events found for Run 1

No user events found for Run 2

No user events found for Run 3

Certified by: _____

Title: _____

Organization: _____