

# ODOT PROFILOGRAPH MACHINE CERTIFICATION

Date: October 22, 2019

Company or Residency: Silver Star Construction

Operator Name: Jason Shawn

Operator Email: Jasons@silverstarconst.com  
(For future notifications)

Supervisor Name: Greg Malicki

Supervisor Email: GregM@silverstarconst.com  
(For future notifications)

Machine Manufacturer and Type Ames highspeed 8300 Truck # 1-254

Machine Serial Number 831017 Silver

## RESULT

Trace No. 1 (East Bound) 48.14

Trace No. 2 (West Bound) 55.07

Signature Jason Shawn

Machine Ordinal \_\_\_\_\_

Ames Engineering  
Profiler  
Software Version 6.1.1.131  
SERIAL # 620115  
MODEL # Model\_6200

Company = silver star construction  
Operator = Jerry Gray  
Certification # = 2719  
Certification date =  
Project =  
Job = 0  
County =  
Division =  
Resident =  
Highway =  
Lane = EB  
Lane Location = dwp  
Pass = 0  
Comments =

#### FILE

...ine Cert 2023 Silver Dodge1\_EB .ard

#### CALPRO SETTINGS

Band width(in.) = 0.000  
Min. scallop width(ft.) = 2.00  
Min. scallop height(in.) = 0.030  
Scallop rounding(in.) = 0.01  
Count scallops once = True  
Butterworth filter(ft.) = 2.00

#### BUMP SETTINGS

Bump Height(in.) = 0.60  
Bump Width(ft.) = 25.00  
Bump Detection = On  
Dip Detection = Off

#### ANALYSIS SETTINGS

Low-pass Filter(ft.) = 0.00  
High-pass Filter(ft.) = 300.00  
Reduction Length(ft.) = 528  
Horizontal Scale = 300 To 1  
Vertical Scale = 1 To 1  
Paper Factor = 1.800

#### SENSOR SETTINGS

Sample rate = 12 samples/ft  
Collection Speed(mph) = 46.26  
Horizontal Cal. Divisor = 21  
Horizontal Calibration = 48.768  
Pre\Post Run Length = 300.00 ft

#### LEFT SENSOR FILTERS

Collection Filter (ft.) = 4,276.11  
Analog Filter = 0.10 rad.  
Anti-Aliasing Filter = 0 Hertz

--Collection Time and Date--

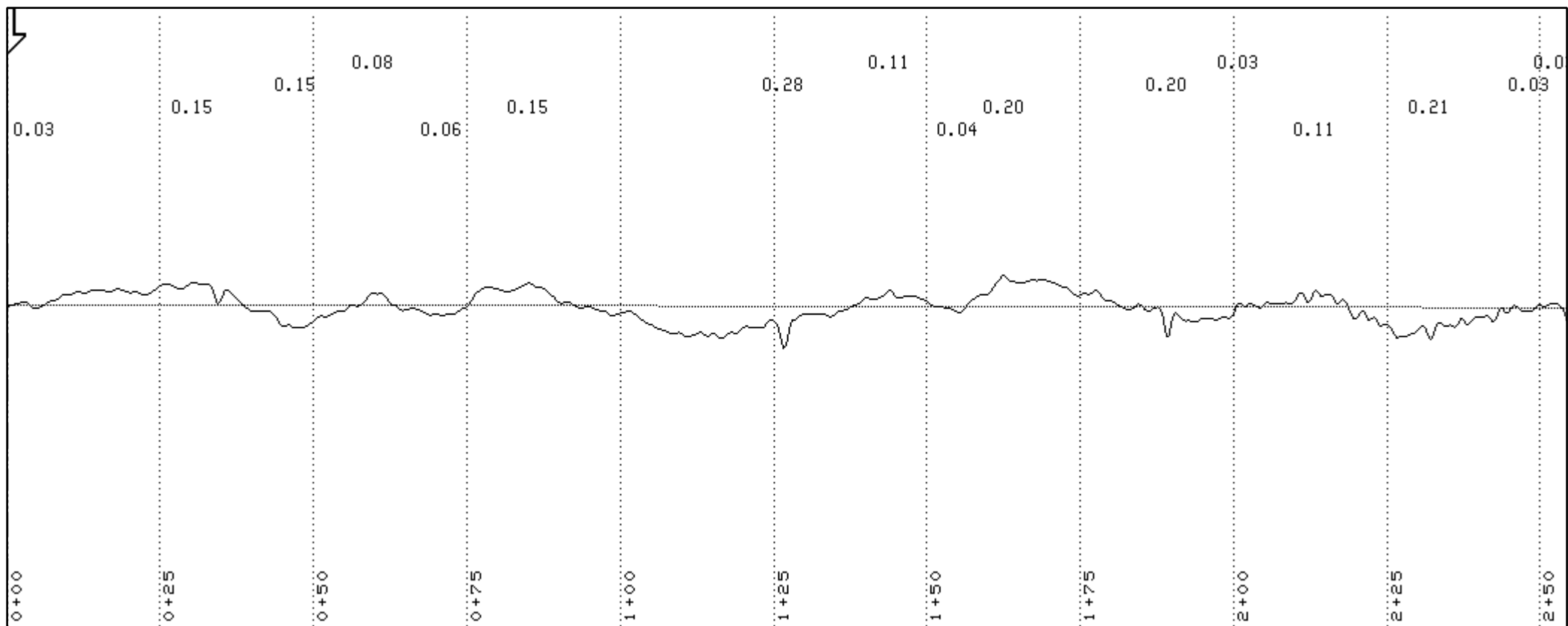
Time: 12:46:56

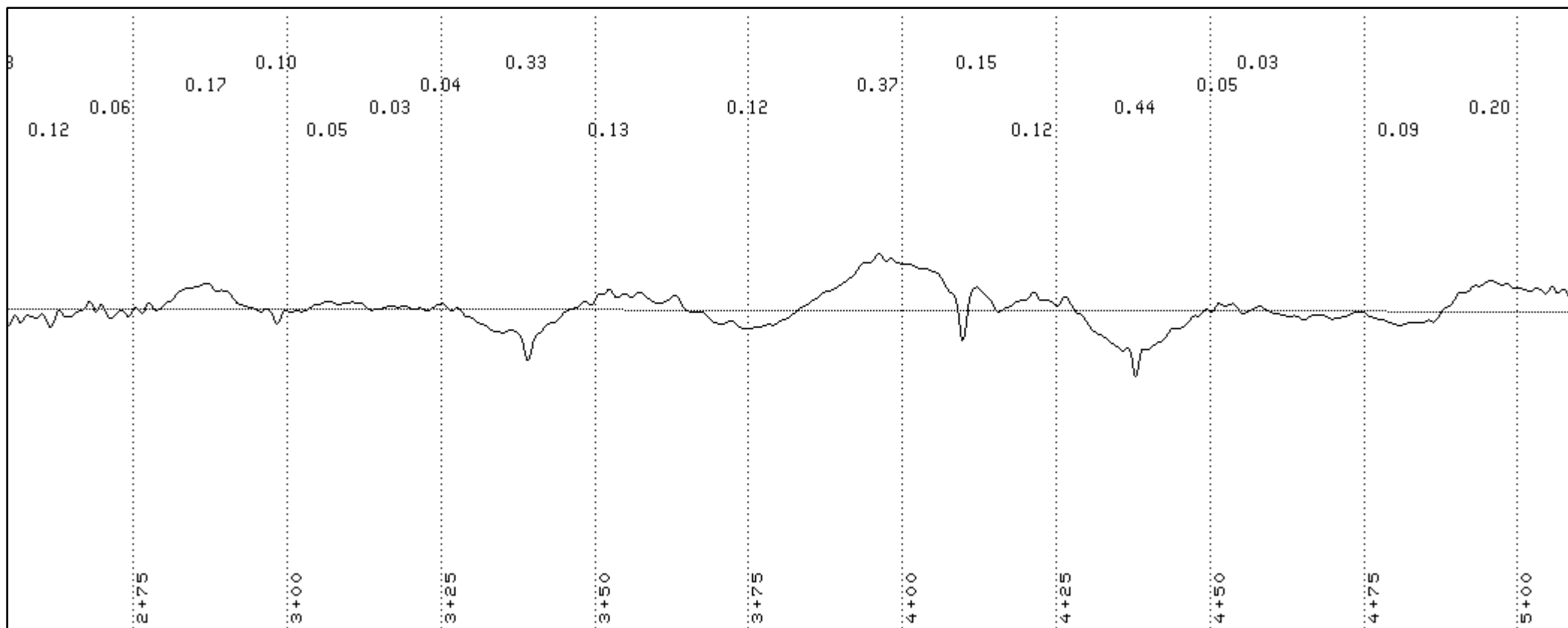
Date: 07-06-2023

--Printed Time and Date--

Time: 12:55:54

Date: 07-06-2023







Beginning Station-> 0+00.0  
Ending Station-> 5+28.0  
Distance(ft.)-> 528.0  
Scallop Sum Left (in.)-> 4.79  
Profile Index Left (in./mile)-> 47.90

Final Analysis  
Beginning Station-> 0+00.0  
Ending Station-> 5+28.0  
Total Distance(ft.)-> 528.0  
Total Scallop Sum Left (in.)-> 4.79  
Total PI 1 (in./mile)-> 47.90

<- Bump/Dip Locations Track 1 ->

Type	From(ft.)	Peak	To	Height(in)
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<- Event Summary ->

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1. Start of Run      Station: 0+00.0  
 Post Station GPS

-----

2. End of Run      Station: 5+28.7  
 Post Station GPS

-----

<- IRI Summary Track 1 ->

From(ft.)	To	Dist	IRI(in/mi)
0+00.0	5+28.0	528.0	116.91
Total		528.0	116.91

<- CalPro Summary Track 1 ->

From(ft.)	To	Dist	Count	PI(in/mi)
0+00.0	5+28.0	528.0	4.79	47.90
Total		528.0	4.79	47.90

Ames Engineering  
Profiler  
Software Version 6.1.1.131  
SERIAL # 620115  
MODEL # Model\_6200

Company = silver star construction  
Operator = Jerry Gray  
Certification # = 2719  
Certification date =  
Project =  
Job = 0  
County =  
Division =  
Resident =  
Highway =  
Lane = EB  
Lane Location = dwp  
Pass = 0  
Comments =

#### FILE

...ine Cert 2023 Silver Dodge3\_EB .ard

#### CALPRO SETTINGS

Band width(in.) = 0.000  
Min. scallop width(ft.) = 2.00  
Min. scallop height(in.) = 0.030  
Scallop rounding(in.) = 0.01  
Count scallops once = True  
Butterworth filter(ft.) = 2.00

#### BUMP SETTINGS

Bump Height(in.) = 0.60  
Bump Width(ft.) = 25.00  
Bump Detection = On  
Dip Detection = Off

#### ANALYSIS SETTINGS

Low-pass Filter(ft.) = 0.00  
High-pass Filter(ft.) = 300.00  
Reduction Length(ft.) = 528  
Horizontal Scale = 300 To 1  
Vertical Scale = 1 To 1  
Paper Factor = 1.800

#### SENSOR SETTINGS

Sample rate = 12 samples/ft  
Collection Speed(mph) = 47.95  
Horizontal Cal. Divisor = 21  
Horizontal Calibration = 48.768  
Pre\Post Run Length = 300.00 ft

#### LEFT SENSOR FILTERS

Collection Filter (ft.) = 4,432.28  
Analog Filter = 0.10 rad.  
Anti-Aliasing Filter = 0 Hertz

--Collection Time and Date--

Time: 12:48:47

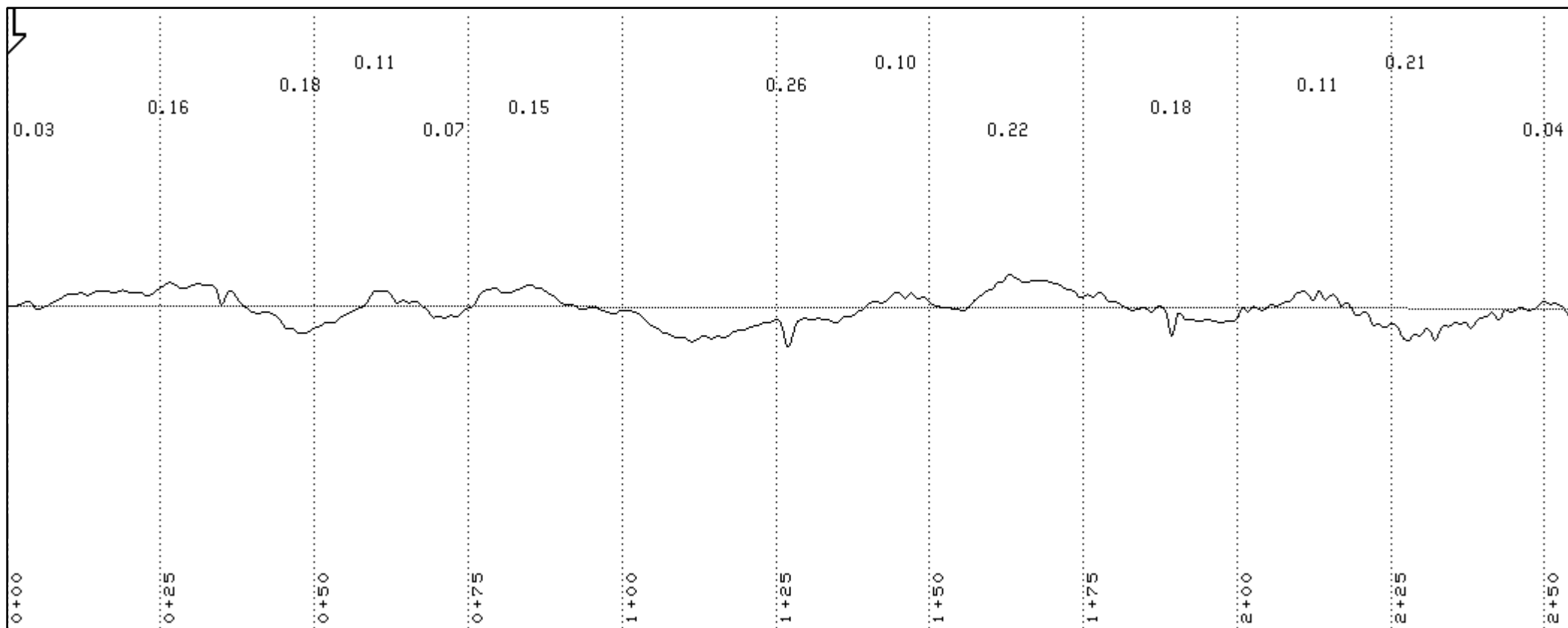
Date: 07-06-2023

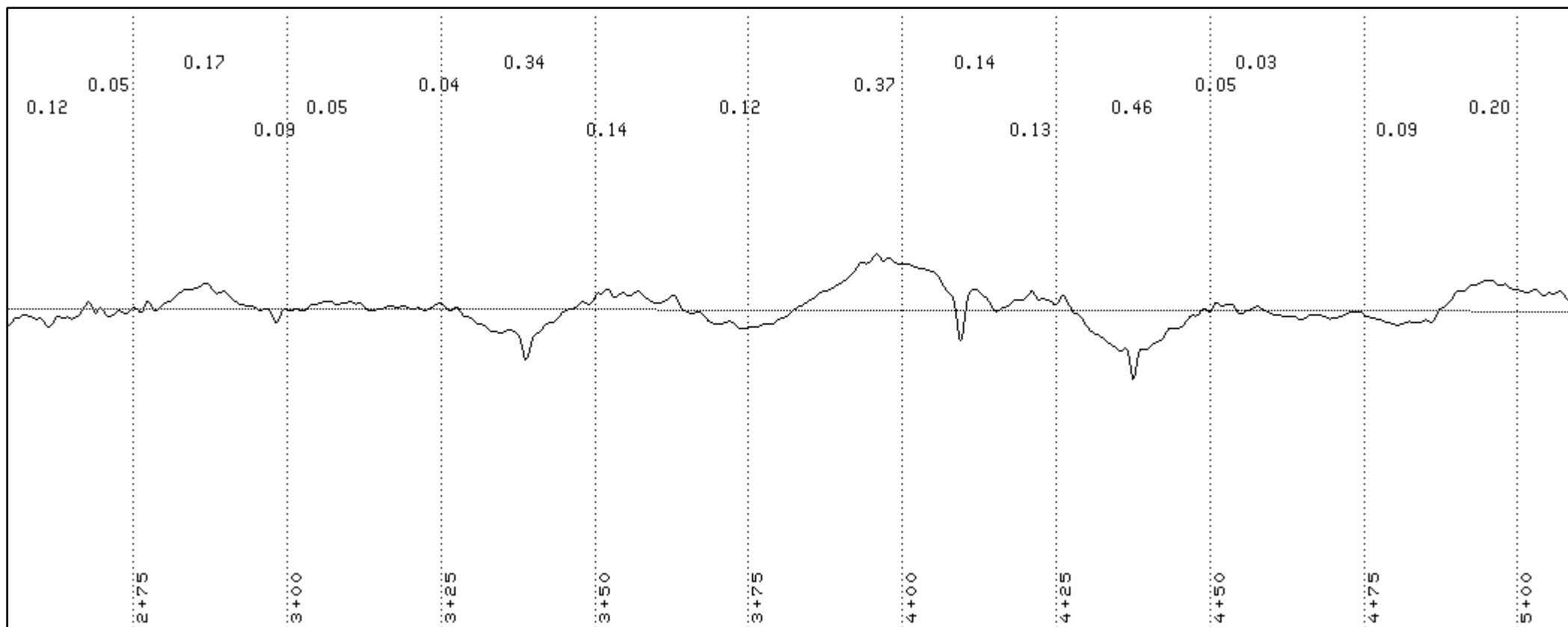
--Printed Time and Date--

Time: 12:55:55

Date: 07-06-2023









Beginning Station-> 0+00.0  
Ending Station-> 5+27.8  
Distance(ft.)-> 527.8  
Scallop Sum Left (in.)-> 4.73  
Profile Index Left (in./mile)-> 47.32

Final Analysis  
Beginning Station-> 0+00.0  
Ending Station-> 5+27.8  
Total Distance(ft.)-> 527.8  
Total Scallop Sum Left (in.)-> 4.73  
Total PI 1 (in./mile)-> 47.32

<- Bump/Dip Locations Track 1 ->

Type	From(ft.)	Peak	To	Height(in)
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<- Event Summary ->

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1. Start of Run      Station: 0+00.0  
 Post Station GPS

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2. End of Run      Station: 5+27.8  
 Post Station GPS

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<- IRI Summary Track 1 ->

From(ft.)	To	Dist	IRI(in/mi)
0+00.0	5+27.8	527.8	118.27
Total		527.8	118.27

<- CalPro Summary Track 1 ->

From(ft.)	To	Dist	Count	PI(in/mi)
0+00.0	5+27.8	527.8	4.73	47.32
Total		527.8	4.73	47.32

Ames Engineering  
 Profiler  
 Software Version 6.1.1.131  
 SERIAL # 620115  
 MODEL # Model\_6200

Company = silver star construction  
 Operator = Jerry Gray  
 Certification # = 2719  
 Certification date =  
 Project =  
 Job = 0  
 County =  
 Division =  
 Resident =  
 Highway =  
 Lane = EB  
 Lane Location = dwp  
 Pass = 0  
 Comments =

#### FILE

...ine Cert 2023 Silver Dodge5\_EB .ard

#### CALPRO SETTINGS

Band width(in.) = 0.000  
 Min. scallop width(ft.) = 2.00  
 Min. scallop height(in.) = 0.030  
 Scallop rounding(in.) = 0.01  
 Count scallops once = True  
 Butterworth filter(ft.) = 2.00

#### BUMP SETTINGS

Bump Height(in.) = 0.60  
 Bump Width(ft.) = 25.00  
 Bump Detection = On  
 Dip Detection = Off

#### ANALYSIS SETTINGS

Low-pass Filter(ft.) = 0.00  
 High-pass Filter(ft.) = 300.00  
 Reduction Length(ft.) = 528  
 Horizontal Scale = 300 To 1  
 Vertical Scale = 1 To 1  
 Paper Factor = 1.800

#### SENSOR SETTINGS

Sample rate = 12 samples/ft  
 Collection Speed(mph) = 47.14  
 Horizontal Cal. Divisor = 21  
 Horizontal Calibration = 48.768  
 Pre\Post Run Length = 300.00 ft

#### LEFT SENSOR FILTERS

Collection Filter (ft.) = 4,357.60  
 Analog Filter = 0.10 rad.  
 Anti-Aliasing Filter = 0 Hertz

--Collection Time and Date--

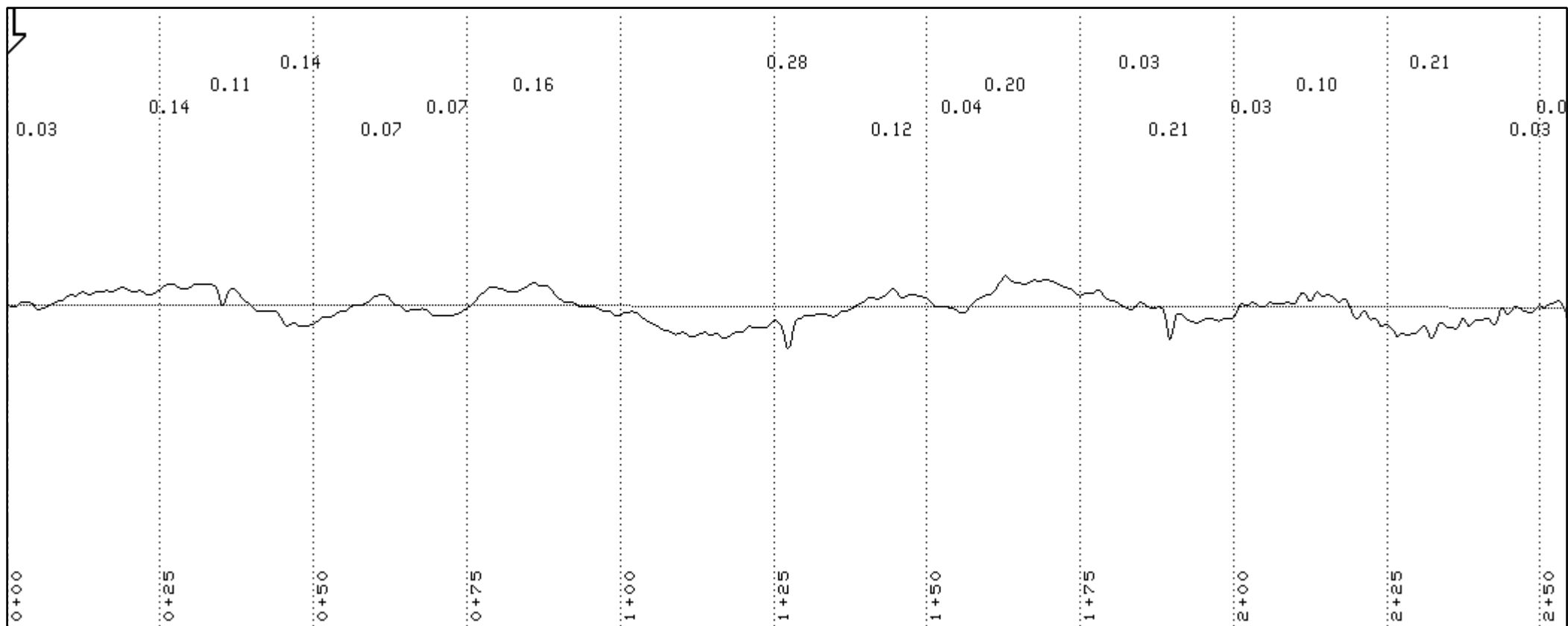
Time: 12:50:26

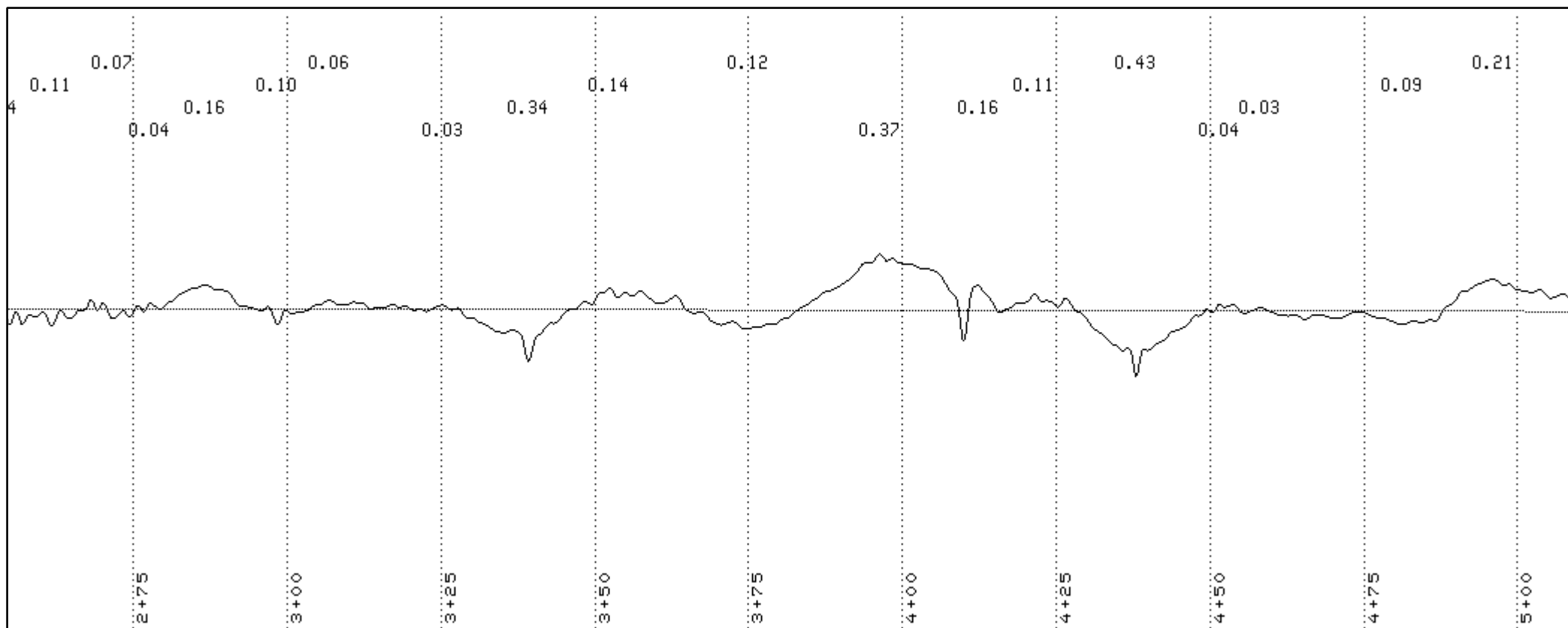
Date: 07-06-2023

--Printed Time and Date--

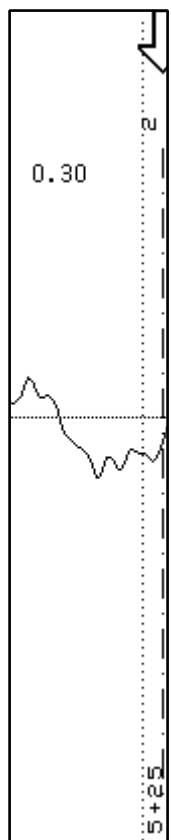
Time: 12:55:55

Date: 07-06-2023









Beginning Station-> 0+00.0  
Ending Station-> 5+28.0  
Distance(ft.)-> 528.0  
Scallop Sum Left (in.)-> 4.92  
Profile Index Left (in./mile)-> 49.20

Final Analysis  
Beginning Station-> 0+00.0  
Ending Station-> 5+28.0  
Total Distance(ft.)-> 528.0  
Total Scallop Sum Left (in.)-> 4.92  
Total PI 1 (in./mile)-> 49.20

<- Bump/Dip Locations Track 1 ->

Type	From(ft.)	Peak	To	Height(in)
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<- Event Summary ->

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1. Start of Run      Station: 0+00.0  
 Post Station GPS

-----

2. End of Run      Station: 5+29.2  
 Post Station GPS

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<- IRI Summary Track 1 ->

From(ft.)	To	Dist	IRI(in/mi)
0+00.0	5+28.0	528.0	119.92
Total		528.0	119.92

<- CalPro Summary Track 1 ->

From(ft.)	To	Dist	Count	PI(in/mi)
0+00.0	5+28.0	528.0	4.92	49.20
Total		528.0	4.92	49.20

Ames Engineering  
Profiler  
Software Version 6.1.1.131  
SERIAL # 620115  
MODEL # Model\_6200

Company = silver star construction  
Operator = Jerry Gray  
Certification # = 2719  
Certification date =  
Project =  
Job = 0  
County =  
Division =  
Resident =  
Highway =  
Lane = WB  
Lane Location = dwp  
Pass = 0  
Comments =

#### FILE

...hine Cert 2023 Silver Dodge2\_WB.ard

#### CALPRO SETTINGS

Band width(in.) = 0.000  
Min. scallop width(ft.) = 2.00  
Min. scallop height(in.) = 0.030  
Scallop rounding(in.) = 0.01  
Count scallops once = True  
Butterworth filter(ft.) = 2.00

#### BUMP SETTINGS

Bump Height(in.) = 0.60  
Bump Width(ft.) = 25.00  
Bump Detection = On  
Dip Detection = Off

#### ANALYSIS SETTINGS

Low-pass Filter(ft.) = 0.00  
High-pass Filter(ft.) = 300.00  
Reduction Length(ft.) = 528  
Horizontal Scale = 300 To 1  
Vertical Scale = 1 To 1  
Paper Factor = 1.800

#### SENSOR SETTINGS

Sample rate = 12 samples/ft  
Collection Speed(mph) = 46.34  
Horizontal Cal. Divisor = 21  
Horizontal Calibration = 48.768  
Pre\Post Run Length = 300.00 ft

#### LEFT SENSOR FILTERS

Collection Filter (ft.) = 4,283.55  
Analog Filter = 0.10 rad.  
Anti-Aliasing Filter = 0 Hertz

--Collection Time and Date--

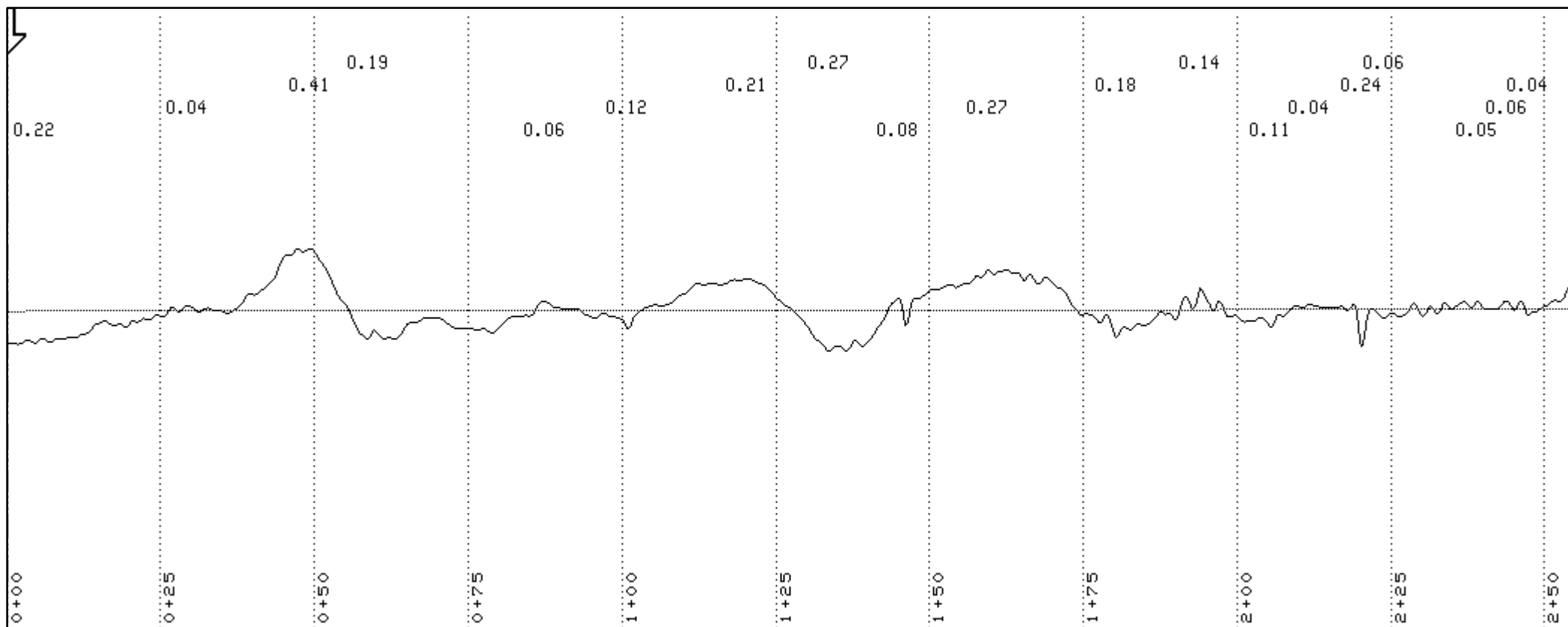
Time: 12:47:56

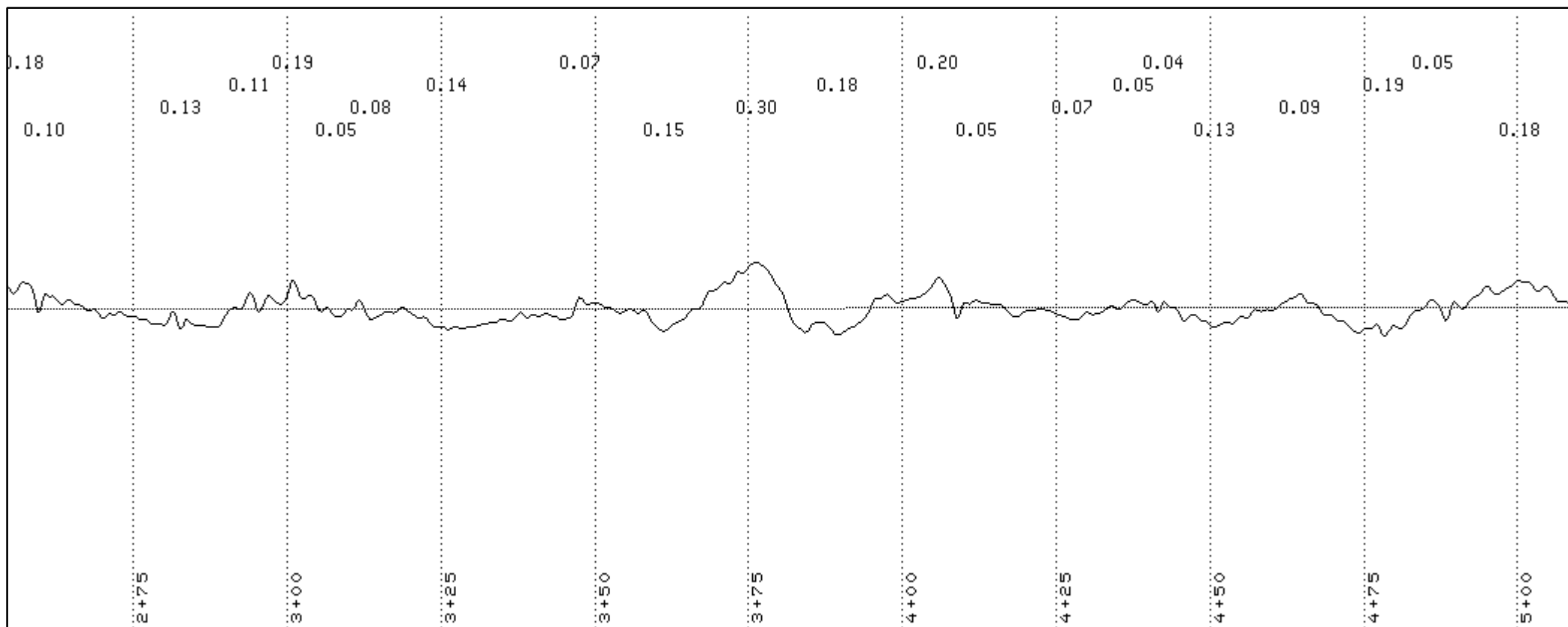
Date: 07-06-2023

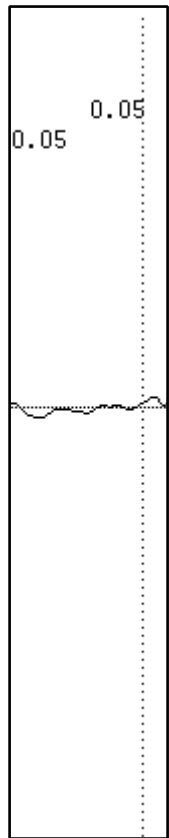
--Printed Time and Date--

Time: 12:55:55

Date: 07-06-2023







Beginning Station-> 0+00.0  
Ending Station-> 5+28.0  
Distance(ft.)-> 528.0  
Scallop Sum Left (in.)-> 5.62  
Profile Index Left (in./mile)-> 56.20

Final Analysis  
Beginning Station-> 0+00.0  
Ending Station-> 5+28.0  
Total Distance(ft.)-> 528.0  
Total Scallop Sum Left (in.)-> 5.62  
Total PI 1 (in./mile)-> 56.20

<- Bump/Dip Locations Track 1 ->

Type	From(ft.)	Peak	To	Height(in)
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<- Event Summary ->

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1. Start of Run      Station: 0+00.0  
 Post Station GPS

-----

2. End of Run      Station: 5+34.9  
 Post Station GPS

-----

<- IRI Summary Track 1 ->

From(ft.)	To	Dist	IRI(in/mi)
0+00.0	5+28.0	528.0	128.34
Total		528.0	128.34



<- CalPro Summary Track 1 ->

From(ft.)	To	Dist	Count	PI(in/mi)
0+00.0	5+28.0	528.0	5.62	56.20
Total		528.0	5.62	56.20

Ames Engineering  
Profiler  
Software Version 6.1.1.131  
SERIAL # 620115  
MODEL # Model\_6200

Company = silver star construction  
Operator = Jerry Gray  
Certification # = 2719  
Certification date =  
Project =  
Job = 0  
County =  
Division =  
Resident =  
Highway =  
Lane = WB  
Lane Location = dwp  
Pass = 0  
Comments =

#### FILE

...hine Cert 2023 Silver Dodge4\_WB.ard

#### CALPRO SETTINGS

Band width(in.) = 0.000  
Min. scallop width(ft.) = 2.00  
Min. scallop height(in.) = 0.030  
Scallop rounding(in.) = 0.01  
Count scallops once = True  
Butterworth filter(ft.) = 2.00

#### BUMP SETTINGS

Bump Height(in.) = 0.60  
Bump Width(ft.) = 25.00  
Bump Detection = On  
Dip Detection = Off

#### ANALYSIS SETTINGS

Low-pass Filter(ft.) = 0.00  
High-pass Filter(ft.) = 300.00  
Reduction Length(ft.) = 528  
Horizontal Scale = 300 To 1  
Vertical Scale = 1 To 1  
Paper Factor = 1.800

#### SENSOR SETTINGS

Sample rate = 12 samples/ft  
Collection Speed(mph) = 50.54  
Horizontal Cal. Divisor = 21  
Horizontal Calibration = 48.768  
Pre\Post Run Length = 300.00 ft

#### LEFT SENSOR FILTERS

Collection Filter (ft.) = 4,671.28  
Analog Filter = 0.10 rad.  
Anti-Aliasing Filter = 0 Hertz

--Collection Time and Date--

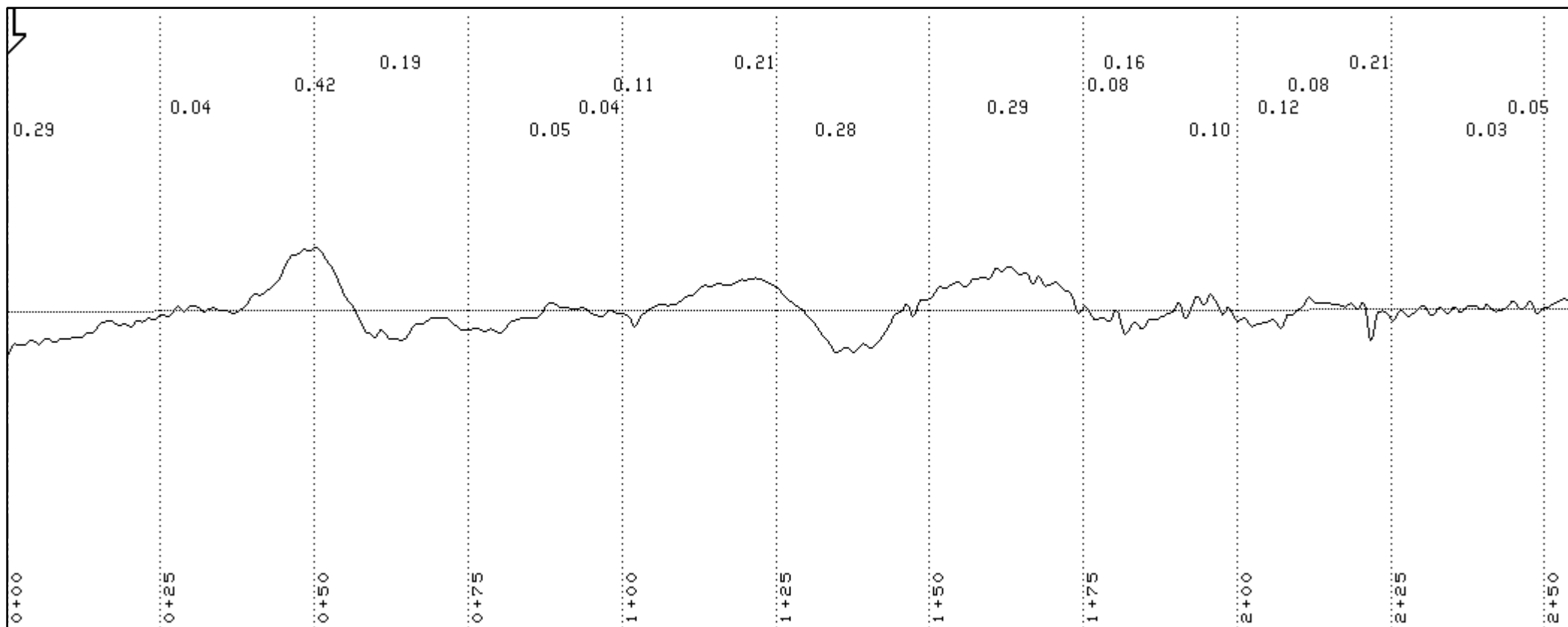
Time: 12:49:36

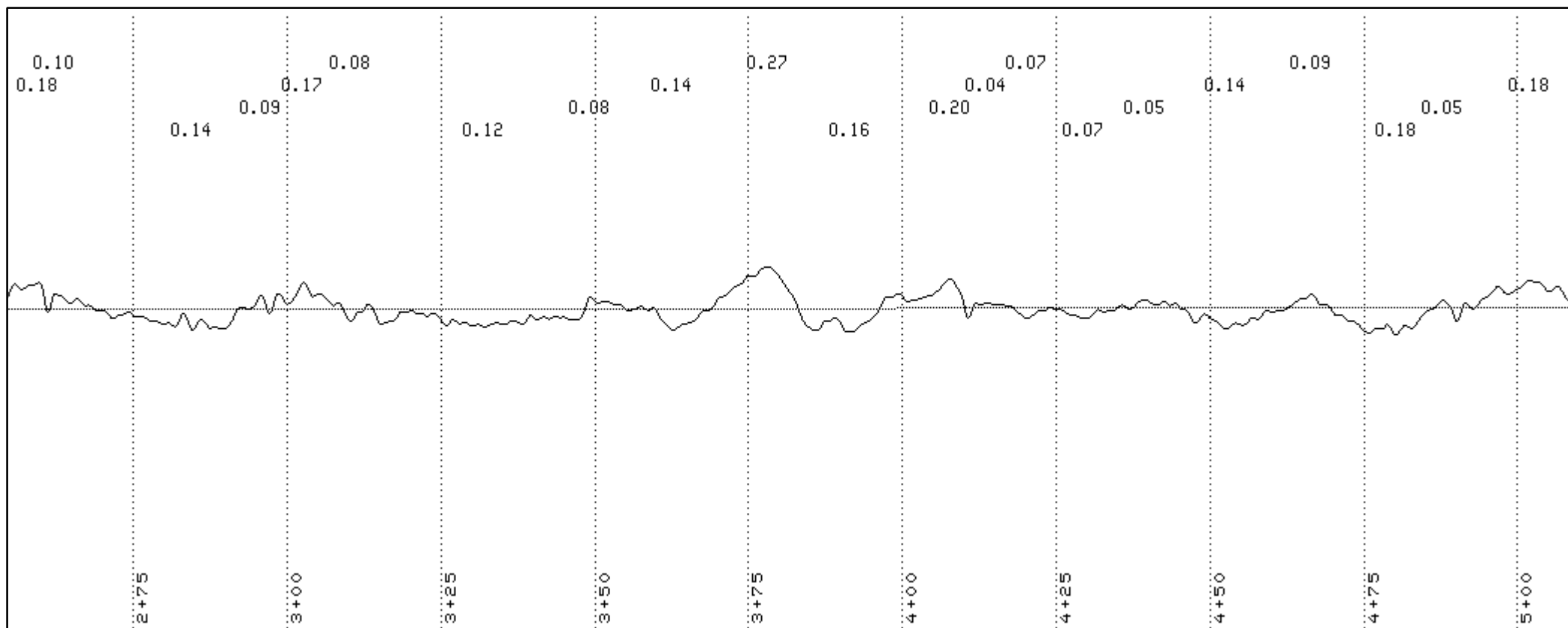
Date: 07-06-2023

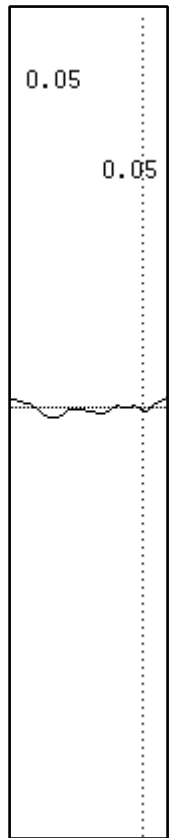
--Printed Time and Date--

Time: 12:55:55

Date: 07-06-2023







Beginning Station-> 0+00.0  
Ending Station-> 5+28.0  
Distance(ft.)-> 528.0  
Scallop Sum Left (in.)-> 5.45  
Profile Index Left (in./mile)-> 54.50

Final Analysis  
Beginning Station-> 0+00.0  
Ending Station-> 5+28.0  
Total Distance(ft.)-> 528.0  
Total Scallop Sum Left (in.)-> 5.45  
Total PI 1 (in./mile)-> 54.50

<- Bump/Dip Locations Track 1 ->

Type	From(ft.)	Peak	To	Height(in)
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<- Event Summary ->

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1. Start of Run      Station: 0+00.0  
 Post Station GPS

-----

2. End of Run      Station: 5+36.5  
 Post Station GPS

-----

<- IRI Summary Track 1 ->

From(ft.)	To	Dist	IRI(in/mi)
0+00.0	5+28.0	528.0	126.11
Total		528.0	126.11

<- CalPro Summary Track 1 ->

From(ft.)	To	Dist	Count	PI(in/mi)
0+00.0	5+28.0	528.0	5.45	54.50
Total		528.0	5.45	54.50

Ames Engineering  
Profiler  
Software Version 6.1.1.131  
SERIAL # 620115  
MODEL # Model\_6200

Company = silver star construction  
Operator = Jerry Gray  
Certification # = 2719  
Certification date =  
Project =  
Job = 0  
County =  
Division =  
Resident =  
Highway =  
Lane = WB  
Lane Location = dwp  
Pass = 0  
Comments =

#### FILE

...hine Cert 2023 Silver Dodge6\_WB.ard

#### CALPRO SETTINGS

Band width(in.) = 0.000  
Min. scallop width(ft.) = 2.00  
Min. scallop height(in.) = 0.030  
Scallop rounding(in.) = 0.01  
Count scallops once = True  
Butterworth filter(ft.) = 2.00

#### BUMP SETTINGS

Bump Height(in.) = 0.60  
Bump Width(ft.) = 25.00  
Bump Detection = On  
Dip Detection = Off

#### ANALYSIS SETTINGS

Low-pass Filter(ft.) = 0.00  
High-pass Filter(ft.) = 300.00  
Reduction Length(ft.) = 528  
Horizontal Scale = 300 To 1  
Vertical Scale = 1 To 1  
Paper Factor = 1.800

#### SENSOR SETTINGS

Sample rate = 12 samples/ft  
Collection Speed(mph) = 50.68  
Horizontal Cal. Divisor = 21  
Horizontal Calibration = 48.768  
Pre\Post Run Length = 300.00 ft

#### LEFT SENSOR FILTERS

Collection Filter (ft.) = 4,684.81  
Analog Filter = 0.10 rad.  
Anti-Aliasing Filter = 0 Hertz

--Collection Time and Date--

Time: 12:51:19

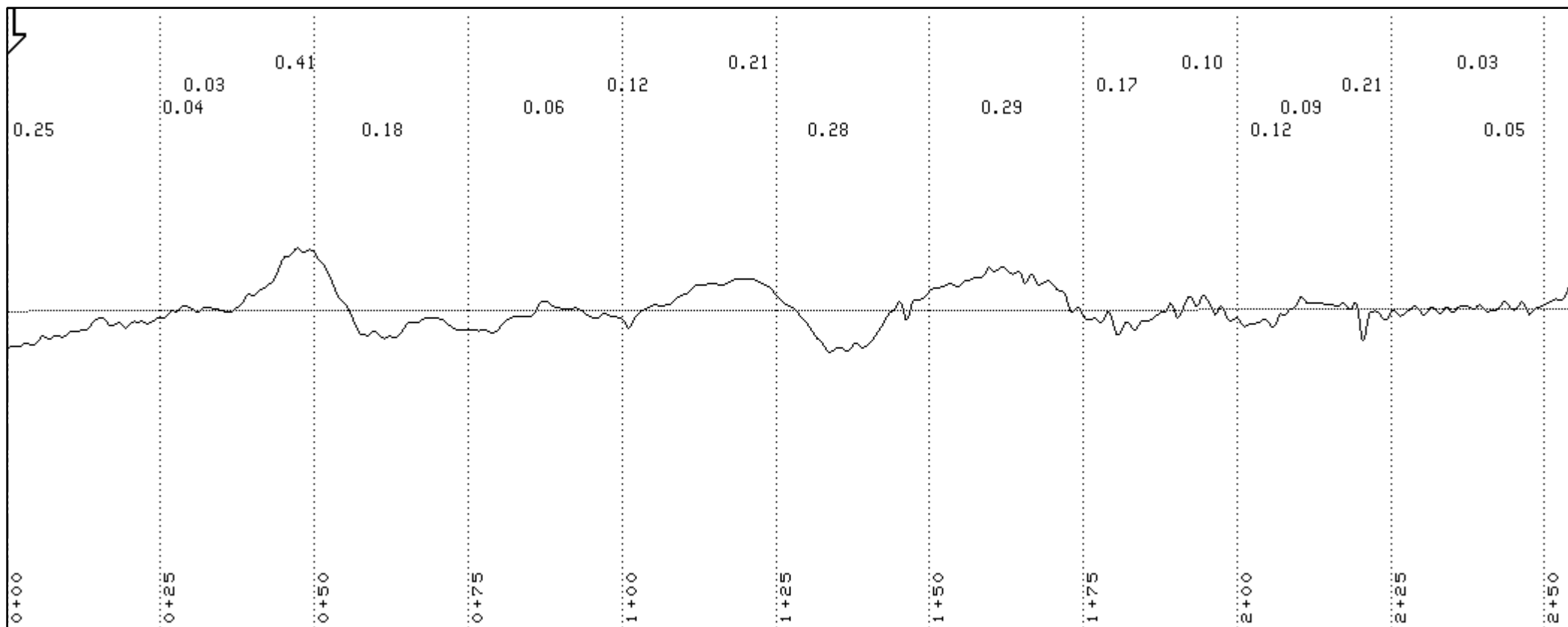
Date: 07-06-2023

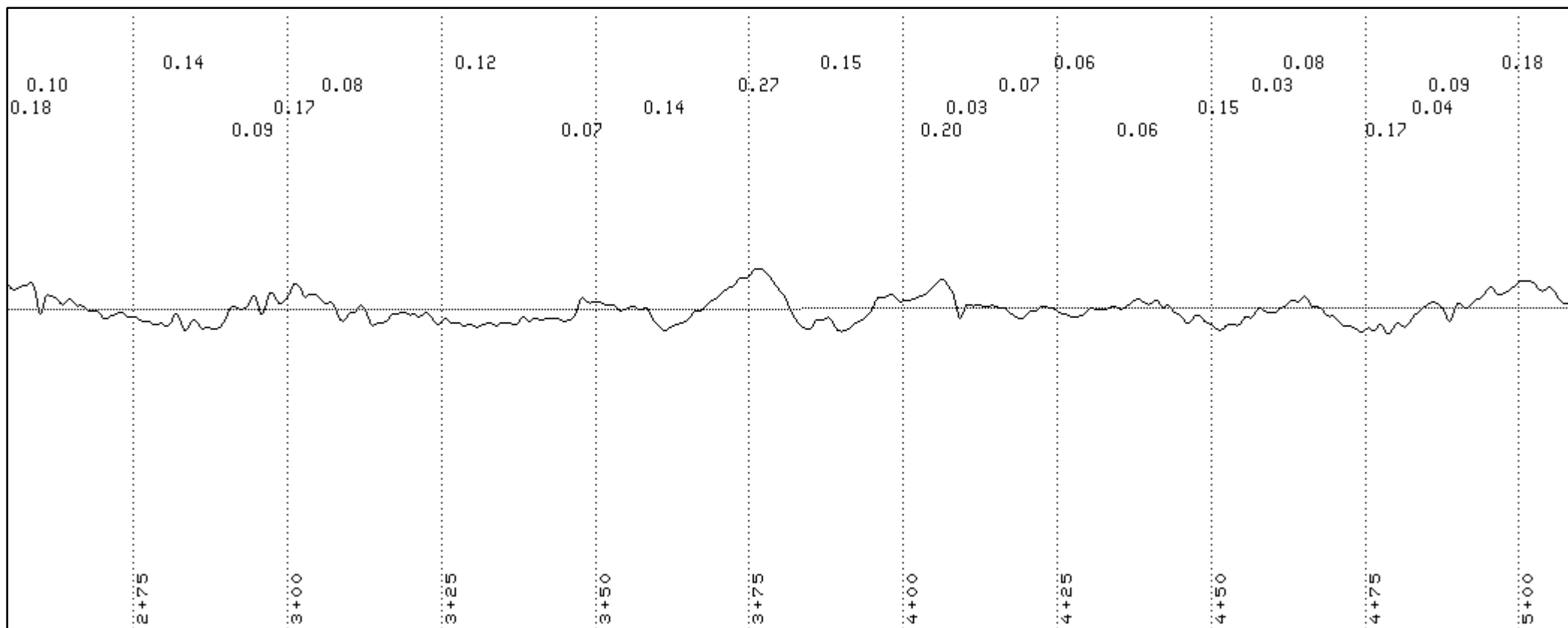
--Printed Time and Date--

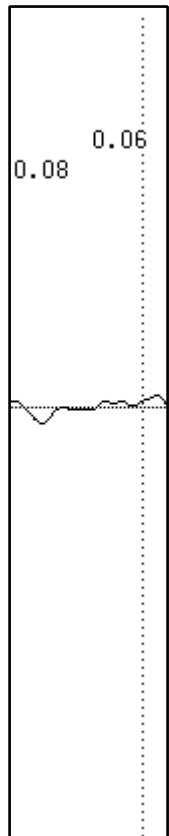
Time: 12:55:55

Date: 07-06-2023









Beginning Station-> 0+00.0  
Ending Station-> 5+28.0  
Distance(ft.)-> 528.0  
Scallop Sum Left (in.)-> 5.45  
Profile Index Left (in./mile)-> 54.50

Final Analysis  
Beginning Station-> 0+00.0  
Ending Station-> 5+28.0  
Total Distance(ft.)-> 528.0  
Total Scallop Sum Left (in.)-> 5.45  
Total PI 1 (in./mile)-> 54.50

<- Bump/Dip Locations Track 1 ->

Type	From(ft.)	Peak	To	Height(in)
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<- Event Summary ->

---

1. Start of Run      Station: 0+00.0  
 Post Station GPS

-----

2. End of Run      Station: 5+35.3  
 Post Station GPS

-----

<- IRI Summary Track 1 ->

From(ft.)	To	Dist	IRI(in/mi)
0+00.0	5+28.0	528.0	126.76
Total		528.0	126.76

<- CalPro Summary Track 1 ->

From(ft.)	To	Dist	Count	PI(in/mi)
0+00.0	5+28.0	528.0	5.45	54.50
Total		528.0	5.45	54.50