

ODOT PROFILOGRAPH MACHINE CERTIFICATION

Date: October 22, 2019

Company or Residency: Cummins Const

Operator Name: Allen Mayes

Operator Email: ad-mayes@yahoo.com
(For future notifications)

Supervisor Name: Allen Mayes

Supervisor Email: _____
(For future notifications)

Machine Manufacturer and Type Ames High Speed

Machine Serial Number 620409

	RESULT	
47.10	79.10	
46.60	77.10	
45.70	76.30	
Trace No. 1 (East Bound) <u>46.5</u>		Trace No. 2 (West Bound) <u>77.5</u>

Signature Allen Mayes

Machine Ordinal _____

Ames Engineering
Profiler
Software Version 6.1.1.45
SERIAL # 620409
MODEL # Model_6200

Company = Cummins Const
Operator = Allen Mayes
Certification # = 2395
Certification date =
Project =
Job = CERT 23
County =
Division =
Resident =
Highway =
Lane =
Lane Location =
Pass = 0
Comments =

FILE

C:\Jobs\Cert 23EB1.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) = 53.53
Horizontal Cal. Divisor = 21
Horizontal Calibration = 48.768
Pre\Post Run Length = 0.00 ft

LEFT SENSOR FILTERS

Collection Filter (ft.) = 4,947.59
Analog Filter = 0.10 rad.
Anti-Aliasing Filter = 0 Hertz

--Collection Time and Date--

Time: 11:01:05

Date: 07-06-2023

--Printed Time and Date--

Time: 11:02:02

Date: 07-06-2023

<- 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+33.7

Post Station GPS

<- IRI Summary Track 1 ->

From(ft.)	To	Dist	IRI(in/mi)
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0+00.0	5+28.0	528.0	117.96
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Total		528.0	117.96
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<- CalPro Summary Track 1 ->

From(ft.)	To	Dist	Count	PI(in/mi)
0+00.0	5+28.0	528.0	4.71	47.10
Total		528.0	4.71	47.10

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Division =
Resident =
Highway =
Lane =
Lane Location =
Pass = 0
Comments =

FILE

C:\Jobs\Cert 23EB2.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) = 55.94
Horizontal Cal. Divisor = 21
Horizontal Calibration = 48.768
Pre\Post Run Length = 0.00 ft

LEFT SENSOR FILTERS

Collection Filter (ft.) = 5,170.56
Analog Filter = 0.10 rad.
Anti-Aliasing Filter = 0 Hertz

--Collection Time and Date--

Time: 10:53:42

Date: 07-06-2023

--Printed Time and Date--

Time: 10:55:22

Date: 07-06-2023

<- 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+28.0
Post Station GPS	

<- IRI Summary Track 1 ->

From(ft.)	To	Dist	IRI(in/mi)
0+00.0	5+28.0	528.0	115.68
Total		528.0	115.68

<- CalPro Summary Track 1 ->

From(ft.)	To	Dist	Count	PI(in/mi)
0+00.0	5+28.0	528.0	4.66	46.60
Total		528.0	4.66	46.60

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Certification date =
Project =
Job = CERT 23
County =
Division =
Resident =
Highway =
Lane =
Lane Location =
Pass = 0
Comments =

FILE

C:\Jobs\Cert 23EB3.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) = 56.03
Horizontal Cal. Divisor = 21
Horizontal Calibration = 48.768
Pre\Post Run Length = 0.00 ft

LEFT SENSOR FILTERS

Collection Filter (ft.) = 5,179.14
Analog Filter = 0.10 rad.
Anti-Aliasing Filter = 0 Hertz

--Collection Time and Date--

Time: 10:46:18

Date: 07-06-2023

--Printed Time and Date--

Time: 10:50:34

Date: 07-06-2023

<- 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+28.7
 Post Station GPS

<- IRI Summary Track 1 ->

From(ft.)	To	Dist	IRI(in/mi)
0+00.0	5+28.0	528.0	111.55
Total		528.0	111.55

<- CalPro Summary Track 1 ->

From(ft.)	To	Dist	Count	PI(in/mi)
0+00.0	5+28.0	528.0	4.57	45.70
Total		528.0	4.57	45.70

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Project =
Job = CERT 23
County =
Division =
Resident =
Highway =
Lane =
Lane Location =
Pass = 0
Comments =

FILE

C:\Jobs\Cert 23WB1.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) = 41.66
Horizontal Cal. Divisor = 21
Horizontal Calibration = 48.768
Pre\Post Run Length = 0.00 ft

LEFT SENSOR FILTERS

Collection Filter (ft.) = 3,850.27
Analog Filter = 0.10 rad.
Anti-Aliasing Filter = 0 Hertz

--Collection Time and Date--

Time: 10:43:24

Date: 07-06-2023

--Printed Time and Date--

Time: 10:50:34

Date: 07-06-2023

<- Bump/Dip Locations Track 1 ->

Type	From(ft.)	Peak	To	Height(in)
Bump	1+50.3	1+51.0	1+51.8	0.05
Bump	1+83.6	1+84.0	1+84.9	0.04

<- Event Summary ->

1. Start of Run Station: 0+00.0

Post Station GPS

2. End of Run Station: 5+28.8

Post Station GPS

<- IRI Summary Track 1 ->

From(ft.)	To	Dist	IRI(in/mi)
0+00.0	5+28.0	528.0	202.61
Total		528.0	202.61

<- CalPro Summary Track 1 ->

From(ft.)	To	Dist	Count	PI(in/mi)
0+00.0	5+28.0	528.0	7.91	79.10
Total		528.0	7.91	79.10

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Project =
Job = CERT 23
County =
Division =
Resident =
Highway =
Lane =
Lane Location =
Pass = 0
Comments =

FILE

C:\Jobs\Cert 23WB2.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) = 56.06
Horizontal Cal. Divisor = 21
Horizontal Calibration = 48.768
Pre\Post Run Length = 0.00 ft

LEFT SENSOR FILTERS

Collection Filter (ft.) = 5,182.07
Analog Filter = 0.10 rad.
Anti-Aliasing Filter = 0 Hertz

--Collection Time and Date--

Time: 10:53:02

Date: 07-06-2023

--Printed Time and Date--

Time: 10:55:23

Date: 07-06-2023

<- Bump/Dip Locations Track 1 ->

Type	From(ft.)	Peak	To	Height(in)
Bump	1+50.3	1+51.0	1+52.3	0.05
Bump	1+82.2	1+84.0	1+85.1	0.05

<- Event Summary ->

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

2. End of Run Station: 5+29.4
Post Station GPS

<- IRI Summary Track 1 ->

From(ft.)	To	Dist	IRI(in/mi)
0+00.0	5+28.0	528.0	200.43
Total		528.0	200.43

<- CalPro Summary Track 1 ->

From(ft.)	To	Dist	Count	PI(in/mi)
0+00.0	5+28.0	528.0	7.71	77.10
Total		528.0	7.71	77.10

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Highway =
Lane =
Lane Location =
Pass = 0
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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) = 56.76
Horizontal Cal. Divisor = 21
Horizontal Calibration = 48.768
Pre\Post Run Length = 0.00 ft

LEFT SENSOR FILTERS

Collection Filter (ft.) = 5,246.74
Analog Filter = 0.10 rad.
Anti-Aliasing Filter = 0 Hertz

--Collection Time and Date--

Time: 10:46:59

Date: 07-06-2023

--Printed Time and Date--

Time: 10:50:34

Date: 07-06-2023

<- Bump/Dip Locations Track 1 ->

Type	From(ft.)	Peak	To	Height(in)
Bump	1+49.7	1+51.0	1+51.6	0.05
Bump	1+83.6	1+84.0	1+84.2	0.03

<- Event Summary ->

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

2. End of Run Station: 5+30.0
Post Station GPS

<- IRI Summary Track 1 ->

From(ft.)	To	Dist	IRI(in/mi)
0+00.0	5+28.0	528.0	196.87
Total		528.0	196.87

<- CalPro Summary Track 1 ->

From(ft.)	To	Dist	Count	PI(in/mi)
0+00.0	5+28.0	528.0	7.63	76.30
Total		528.0	7.63	76.30