

ODOT PROFILOGRAPH MACHINE CERTIFICATION

Date: August 31, 2023

Company or Residency: Road Trac, Inc

Operator Name: Dwaine Covert

Operator Email: dwaine.roadtrac@gmail.com
(For future notifications)

Supervisor Name: _____

Supervisor Email: _____
(For future notifications)

Machine Manufacturer and Type Ames 8300

Machine Serial Number 831517

RESULT

Trace No. 1 (East Bound) 36.04
Left Trace

Trace No. 2 (West Bound) 66.06
Left Trace

Evaluator Signature _____

Machine Ordinal _____

Ames Engineering
 Profiler
 Software Version 6.1.2.186
 SERIAL # 831517
 MODEL # Model_8300

Company = RoadTrac Inc
 Operator = Duaine-Covert
 Certification # = 1FM5K7D84HGC13170
 Certification date = 06282023
 Project = 34327(04)
 Job = STP-242C(102)
 County = LOGAN
 Division = SH074-42-020
 Resident = Erick Walton PE
 Highway = SH0074
 Lane = EB RACEWAY
 Lane Location = LR
 Pass = AFTER
 Comments = CONTACT IS ADAM HODGES

FILE

...1 EB TULSA RACEWAY RUN1_EBTRACK.ard

CALPRO SETTINGS

Band width(in.) = 0.000
 Min. scallop width(ft.) = 2.00
 Min. scallop height(in.) = 0.030
 Scallop rounding(in.) = 0.10
 Count scallops once = True
 Butterworth filter(ft.) = 2.00

BUMP SETTINGS

Bump Height(in.) = 0.40
 Bump Width(ft.) = 25.00
 Bump Detection = On
 Dip Detection = On

LOCALIZED ROUGHNESS

IRI threshold(in./mi.) = 175.00
 IRI baselength(ft.) = 25.00

ANALYSIS SETTINGS

Low-pass Filter(ft.) = 9.00
 High-pass Filter(ft.) = 200.00
 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) = 19.54
 Horizontal Cal. Divisor = 21
 Horizontal Calibration = 304.800
 Pre\Post Run Length = 300.00 ft

LEFT SENSOR FILTERS

Collection Filter = 63 sec.
 Analog Filter = 0.10 rad.
 Anti-Aliasing Filter = 0 Hertz

RIGHT SENSOR FILTERS

Collection Filter = 63 sec.
 Analog Filter = 0.10 rad.
 Anti-Aliasing Filter = 0 Hertz

--Collection Time and Date--

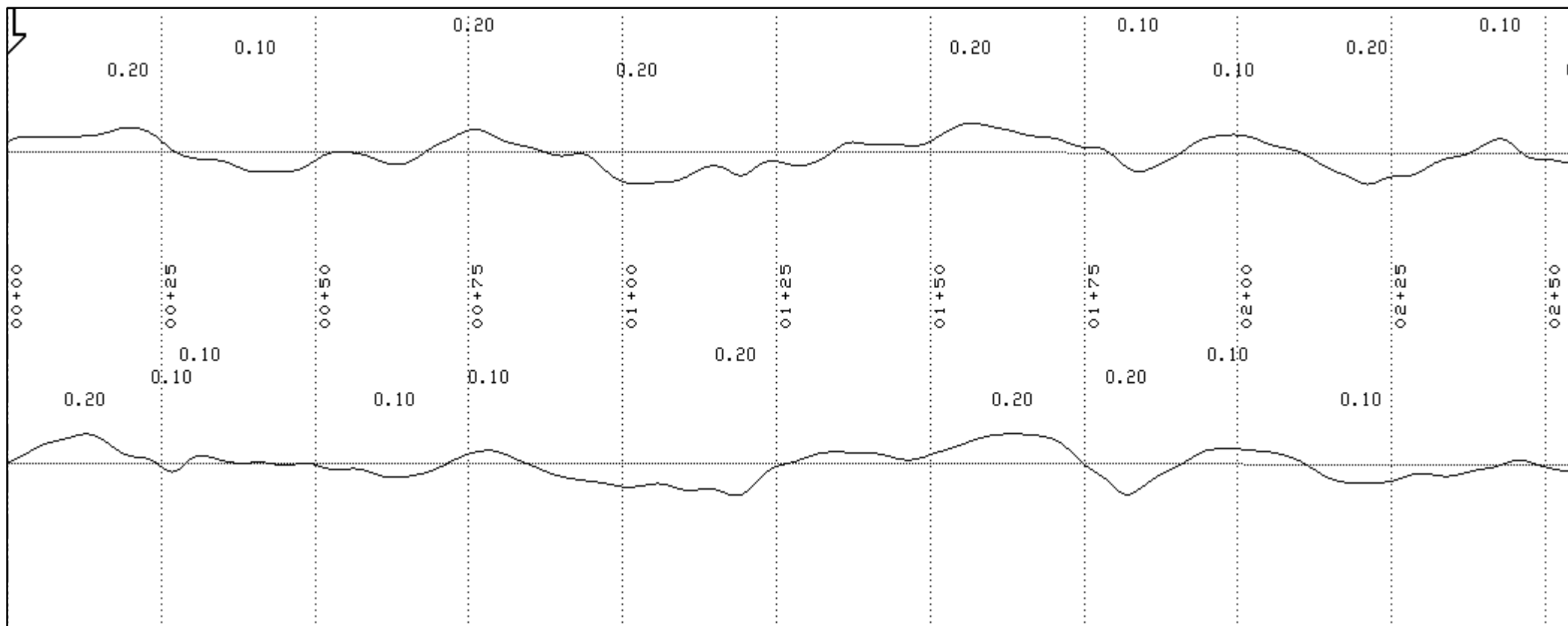
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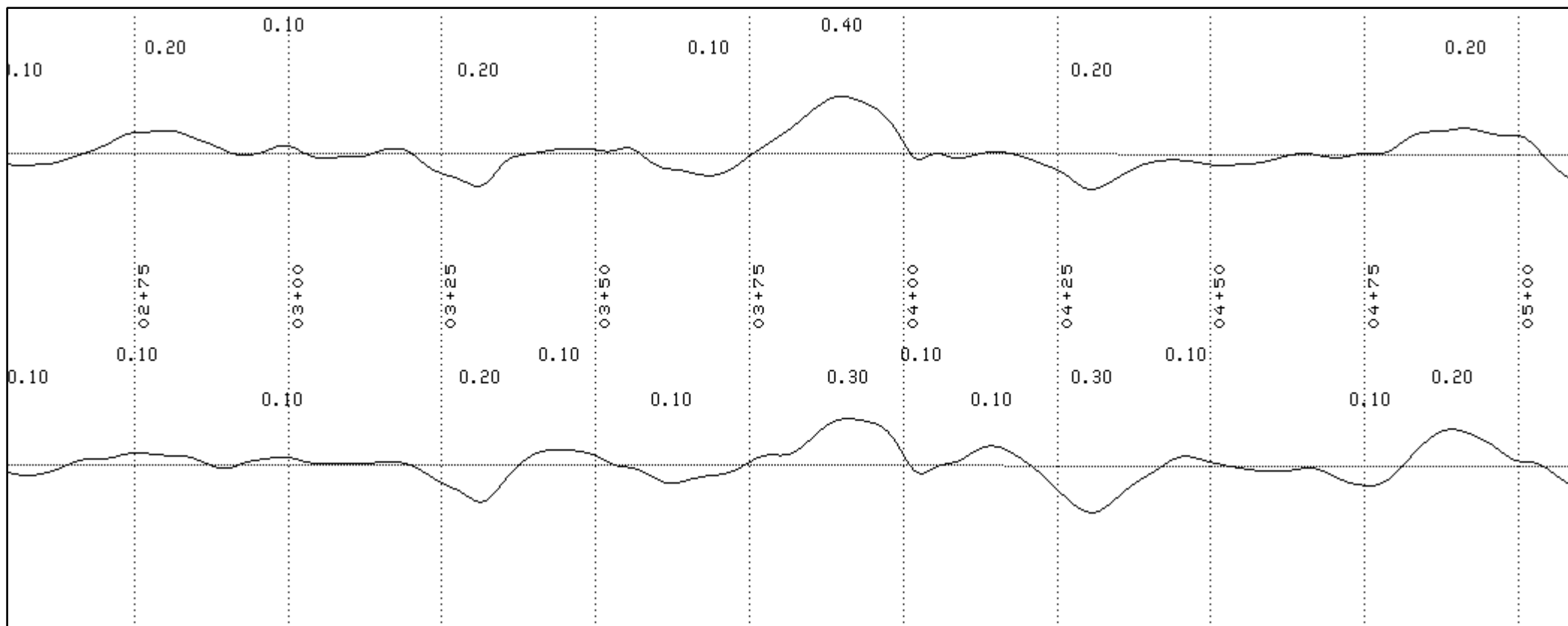
Date: 08-31-2023

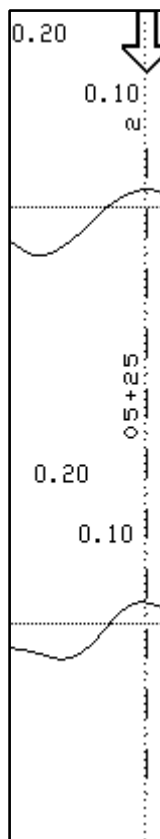
--Printed Time and Date--

Time: 11:43:35

Date: 08-31-2023







Beginning Station: 00+00
Ending Station: 05+27
Distance (ft): 527.5
Scallop Sum Left (in): 3.60
Scallop Sum Right (in): 3.20
Profile Index Left (in/mi): 36.04
Profile Index Right (in/mi): 32.03
Average (in/mi): 34.03

Final Analysis
Beginning Station: 00+00
Ending Station: 05+27
Total Distance (ft): 527.5
Total Scallop Sum Left (in): 3.60
Total Scallop Sum Right (in): 3.20
Total PI Left (in/mi): 36.04
Total PI Right (in/mi): 32.03
Average PI (in/mi): 34.03

<- Left Bump/Dip Locations ->

| Type | From(ft) | Peak | To | Height(in) |
|-------|----------|------|----|------------|
| <hr/> | | | | |

<- Right Bump/Dip Locations ->

| Type | From(ft) | Peak | To | Height(in) |
|-------|----------|------|----|------------|
| <hr/> | | | | |

<- Event Summary ->

1. Start of Run Station: 00+00

2. End of Run Station: 05+27

<- Left IRI Summary ->

| From(ft) | To | Dist | IRI(in/mi) |
|----------|----|------|------------|
| <hr/> | | | |

| | | | |
|-------|-------|-------|-------|
| 00+00 | 05+28 | 527.5 | 78.96 |
|-------|-------|-------|-------|

| | | | |
|-------|--|-------|-------|
| Total | | 527.5 | 78.96 |
|-------|--|-------|-------|

<- Right IRI Summary ->

| From(ft) | To | Dist | IRI(in/mi) |
|----------|-------|-------|------------|
| 00+00 | 05+28 | 527.5 | 88.75 |
| Total | | 527.5 | 88.75 |

<- Average IRI Summary Average ->

| From(ft) | To | Dist | IRI(in/mi) |
|----------|-------|-------|------------|
| 00+00 | 05+28 | 527.5 | 83.85 |
| Total | | 527.5 | 83.85 |

<- Left CalPro Summary ->

| From(ft) | To | Dist | Count | PI(in/mi) |
|----------|-------|-------|-------|-----------|
| 00+00 | 05+28 | 527.5 | 3.60 | 36.04 |
| Total | | 527.5 | 3.60 | 36.04 |

<- Right CalPro Summary ->

| From(ft) | To | Dist | Count | PI(in/mi) |
|----------|-------|-------|-------|-----------|
| 00+00 | 05+28 | 527.5 | 3.20 | 32.03 |
| Total | | 527.5 | 3.20 | 32.03 |

<- Average CalPro Summary Average ->

| | | | | |
|-------|-------|-------|------|-------|
| 00+00 | 05+28 | 527.5 | 3.40 | 34.03 |
| Total | | 527.5 | 3.40 | 34.03 |

<- Left Localized Roughness ->

| From(ft) | Peak | To | IRI(in/mi) |
|---------------------------------|-------|-------|------------|
| <- Right Localized Roughness -> | | | |
| From(ft) | Peak | To | IRI(in/mi) |
| 03+94 | 04+01 | 04+10 | 189.80 |

Ames Engineering
Profiler
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Certification date = 06282023
Project = 34327(04)
Job = STP-242C(102)
County = LOGAN
Division = SH074-42-020
Resident = Erick Walton PE
Highway = SH0074
Lane = NB DRIVING
Lane Location = LR
Pass = AFTER
Comments = CONTACT IS ADAM HODGES

FILE

...1 WB TULSA RACEWAY RUN1_wbtrack.ard

CALPRO SETTINGS

Band width(in.) = 0.000
Min. scallop width(ft.) = 2.00
Min. scallop height(in.) = 0.030
Scallop rounding(in.) = 0.10
Count scallops once = True
Butterworth filter(ft.) = 2.00

BUMP SETTINGS

Bump Height(in.) = 0.40
Bump Width(ft.) = 25.00
Bump Detection = On
Dip Detection = On

LOCALIZED ROUGHNESS

IRI threshold(in./mi.) = 175.00
IRI baselength(ft.) = 25.00

ANALYSIS SETTINGS

Low-pass Filter(ft.) = 9.00
High-pass Filter(ft.) = 200.00
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) = 23.27
Horizontal Cal. Divisor = 21
Horizontal Calibration = 304.800
Pre\Post Run Length = 300.00 ft

LEFT SENSOR FILTERS

Collection Filter = 63 sec.
Analog Filter = 0.10 rad.
Anti-Aliasing Filter = 0 Hertz

RIGHT SENSOR FILTERS

Collection Filter = 63 sec.
Analog Filter = 0.10 rad.
Anti-Aliasing Filter = 0 Hertz

--Collection Time and Date--

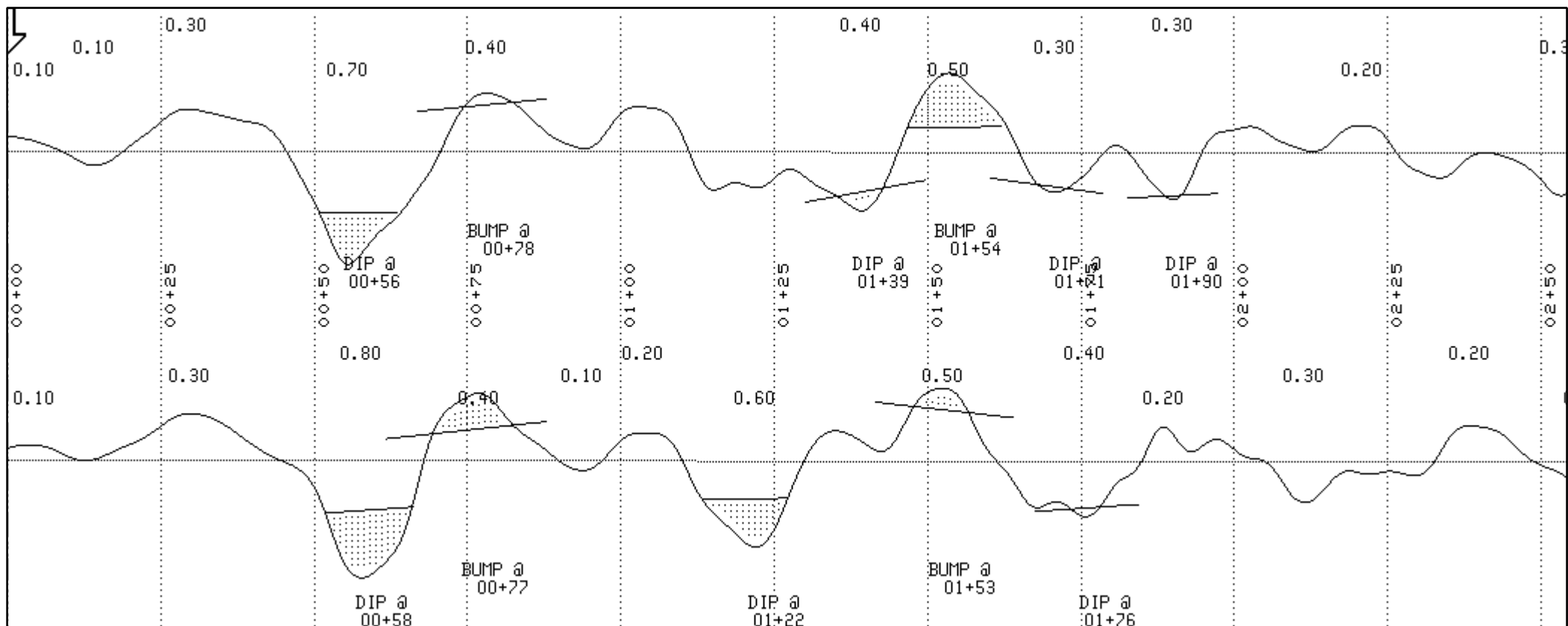
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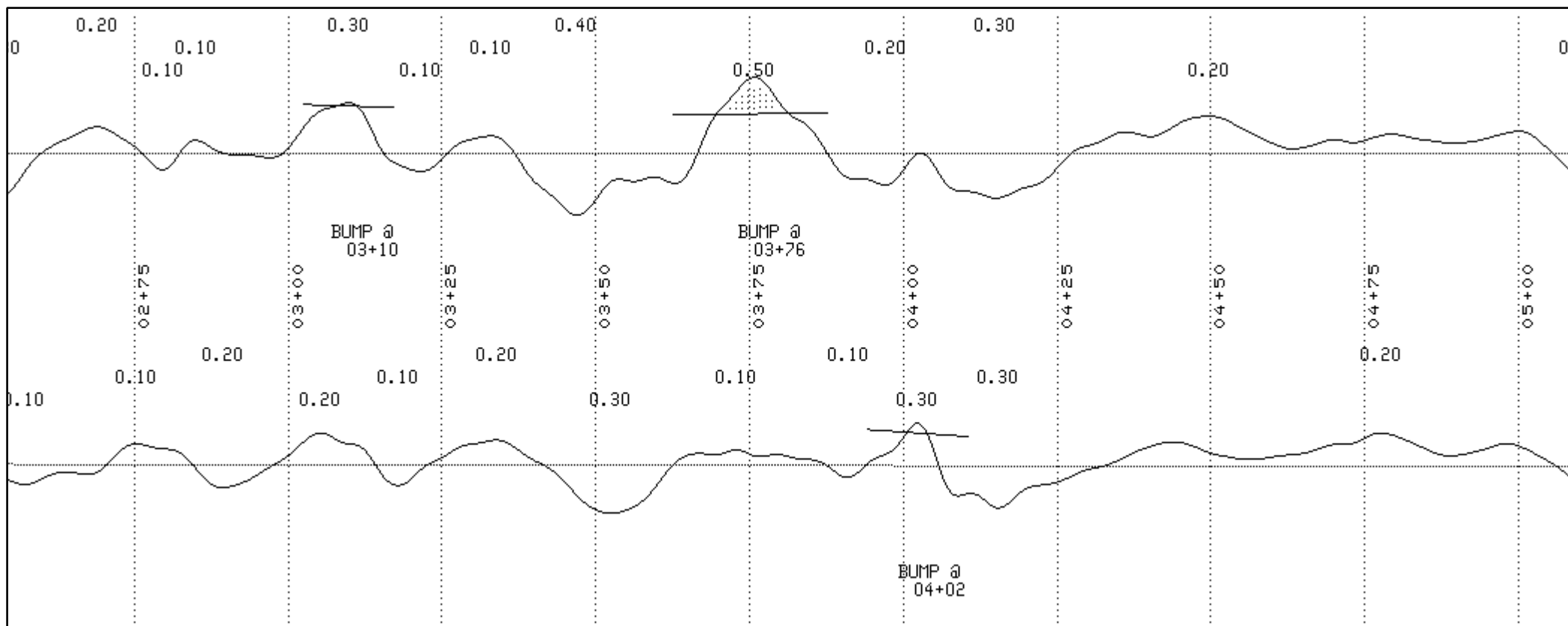
Date: 08-31-2023

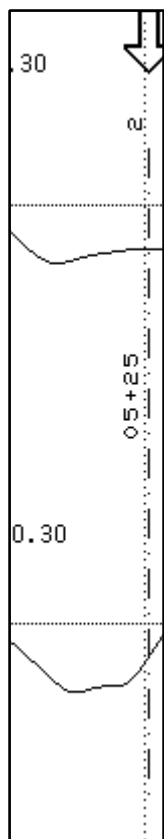
--Printed Time and Date--

Time: 11:44:43

Date: 08-31-2023







Beginning Station: 00+00
Ending Station: 05+28
Distance (ft): 527.6
Scallop Sum Left (in): 6.60
Scallop Sum Right (in): 6.40
Profile Index Left (in/mi): 66.06
Profile Index Right (in/mi): 64.05
Average (in/mi): 65.05

Final Analysis
Beginning Station: 00+00
Ending Station: 05+28
Total Distance (ft): 527.6
Total Scallop Sum Left (in): 6.60
Total Scallop Sum Right (in): 6.40
Total PI Left (in/mi): 66.06
Total PI Right (in/mi): 64.05
Average PI (in/mi): 65.05

<- Left Bump/Dip Locations ->

| Type | From(ft) | Peak | To | Height(in) |
|------|----------|--------|--------|------------|
| Dip | 0+51.9 | 0+58.0 | 0+66.2 | 0.47 |
| Bump | 0+69.2 | 0+77.0 | 0+80.7 | 0.19 |
| Dip | 1+13.7 | 1+22.0 | 1+27.0 | 0.33 |
| Bump | 1+48.8 | 1+53.0 | 1+56.8 | 0.14 |
| Dip | 1+75.1 | 1+76.0 | 1+77.1 | 0.04 |
| Bump | 4+01.6 | 4+02.0 | 4+03.3 | 0.04 |

<- Event Summary ->

1. Start of Run Station: 00+00

2. End of Run Station: 05+28

<- Left IRI Summary ->

| From(ft) | To | Dist | IRI(in/mi) |
|----------|-------|-------|------------|
| 00+00 | 05+28 | 527.6 | 170.91 |
| Total | | 527.6 | 170.91 |

<- Right Bump/Dip Locations ->

| Type | From(ft) | Peak | To | Height(in) |
|------|----------|--------|--------|------------|
| Dip | 0+51.0 | 0+56.0 | 0+63.5 | 0.34 |
| Bump | 0+74.3 | 0+78.0 | 0+80.5 | 0.08 |
| Dip | 1+37.6 | 1+39.0 | 1+42.5 | 0.08 |
| Bump | 1+46.8 | 1+54.0 | 1+62.1 | 0.35 |
| Dip | 1+67.7 | 1+71.0 | 1+71.4 | 0.04 |
| Dip | 1+90.0 | 1+90.0 | 1+90.0 | 0.01 |
| Bump | 3+10.0 | 3+10.0 | 3+10.0 | 0.01 |
| Bump | 3+70.1 | 3+76.0 | 3+80.5 | 0.24 |

<- Right IRI Summary ->

| From(ft) | To | Dist | IRI(in/mi) |
|----------|-------|-------|------------|
| 00+00 | 05+28 | 527.6 | 180.09 |
| Total | | 527.6 | 180.09 |

<- Average IRI Summary Average ->

| From(ft) | To | Dist | IRI(in/mi) |
|----------|-------|-------|------------|
| 00+00 | 05+28 | 527.6 | 175.50 |
| Total | | 527.6 | 175.50 |

<- Left CalPro Summary ->

| From(ft) | To | Dist | Count | PI(in/mi) |
|----------|-------|-------|-------|-----------|
| 00+00 | 05+28 | 527.6 | 6.60 | 66.06 |
| Total | | 527.6 | 6.60 | 66.06 |

<- Right CalPro Summary ->

| From(ft) | To | Dist | Count | PI(in/mi) |
|----------|-------|-------|-------|-----------|
| 00+00 | 05+28 | 527.6 | 6.40 | 64.05 |
| Total | | 527.6 | 6.40 | 64.05 |

<- Average CalPro Summary Average ->

| 00+00 | 05+28 | 527.6 | 6.50 | 65.05 |
|-------|-------|-------|------|-------|
| Total | | 527.6 | 6.50 | 65.05 |

<- Left Localized Roughness ->

| From(ft) | Peak | To | IRI(in/mi) |
|----------|-------|-------|------------|
| 00+45 | 00+70 | 00+99 | 446.98 |
| 01+13 | 01+80 | 02+16 | 376.28 |
| 03+93 | 04+01 | 04+19 | 276.03 |

<- Right Localized Roughness ->

| From(ft) | Peak | To | IRI(in/mi) |
|----------|-------|-------|------------|
| 00+47 | 00+68 | 00+99 | 382.20 |
| 01+06 | 01+17 | 01+30 | 231.88 |
| 01+41 | 01+63 | 02+12 | 328.19 |
| 02+15 | 02+20 | 02+24 | 187.22 |
| 02+45 | 02+47 | 02+48 | 181.35 |
| 02+52 | 02+54 | 02+55 | 179.60 |
| 02+61 | 02+84 | 02+89 | 236.95 |
| 03+60 | 03+61 | 03+62 | 178.56 |
| 03+66 | 03+90 | 04+14 | 284.61 |
| 04+36 | 04+41 | 04+44 | 187.18 |