



Maximo

Maryland Department of Transportation

# Work Order Details (Tr)

Org ID: MTA  
Site: LTRAIL

WO # 2850278

Semi Annual Switch Inspection  
Micro fractures in the straight point .  
3 loose screw spikes in the point area .  
1/2" of trail pumping between heel block - frog area .

Switch inspection complete

|  |                               |                  |                         |                   |
|--|-------------------------------|------------------|-------------------------|-------------------|
| Alias: 207NMOWSW-1B                                    | Track switch, R, 10, TRAILING | Location: CMN207 | Chain Marker North, 207 | Status: OPERATING |
| Asset: 1262036   | Year:                         | Manufacturer:    | Type: FLEET             |                   |
| Serial Number:   |                               | License:         |                         |                   |
| Service Address: 1155 344 West North Ave, Baltimore MD |                               |                  |                         |                   |

Meters: Description Unit of Measure Last Reading Date Last Reading Mileage Meter:

Cl:

|                    |         |
|--------------------|---------|
| Sched Start:       |         |
| Sched Finish:      |         |
| Target Start:      | 4/28/17 |
| Target Finish:     | 4/28/17 |
| Actual Start:      | 4/5/17  |
| Actual Finish:     | 4/5/17  |
| Report Date:       | 4/1/17  |
| Reported By:       | MTACRON |
| Requestor of Work: |         |

|                             |  |
|-----------------------------|--|
| Site:                       | LTRAIL   |
| Priority:                   | 1  |
| Work Type:                  | PM   |
| Status:                     | CLOSE  |
| Parent:                     |  |
| Person Group:               | MTA527   |
| GL Account:                 | J05-#####-05270-#####-0901-#####-#####-#####-000-30-00 |
| Warranty Situation Present? | N  |
| PM Num:                     | 47321  |

|                 |                               |
|-----------------|-------------------------------|
| Job Plan:       | 2688                          |
| Job Desc:       | Semi Annual Switch Inspection |
| Supervisor:     |                               |
| Lead:           | JREAVES3                      |
| Owner:          |                               |
| Owner Group:    |                               |
| Service:        |                               |
| Service Group:  |                               |
| Classification: | 2732                          |
| Part Failure:   |                               |



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Site: LTRAIL

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 3 loose screw spikes in the point area .  
 1/2" of trail pumping between heel block - frog area .  
 Switch inspection complete

| Specification      | Attribute | Description        | ALN Value                     | Numeric Value | Unit of Measure |
|--------------------|-----------|--------------------|-------------------------------|---------------|-----------------|
| LTRAIL_DESCRIPTION |           | LTRAIL_DESCRIPTION | Semi Annual Switch Inspection |               |                 |



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 Site: LTRAIL

WO # 2850278      Semi Annual Switch Inspection  
 Micro fractures in the straight point .  
 3 loose screw spikes in the point area .  
 1/2" of trail pumping between heel block - frog area .

Switch inspection complete

| Actual Labor               |       |             |       |           |          |                   |                   |              |          |              |               |               |           |
|----------------------------|-------|-------------|-------|-----------|----------|-------------------|-------------------|--------------|----------|--------------|---------------|---------------|-----------|
| Task ID                    | Craft | Skill Level | Labor | Component | Position | Reason for Repair | Work Accomplishec | Part Failure | Warranty | Contract Num | Regular Hours | Premium Hours | Line Cost |
| AREPAIR                    |       | MPOLLAF     |       |           |          | N                 |                   |              |          | N            | 00:00         | 00:48         | 31.55     |
| AREPAIR                    |       | SSELL       |       |           |          | N                 |                   |              |          | N            | 00:00         | 00:48         | 31.80     |
| AREPAIR                    |       | ARABETT     |       |           |          | N                 |                   |              |          | N            | 00:00         | 00:48         | 32.60     |
| AREPAIR                    |       | GLAM        |       |           |          | N                 |                   |              |          | N            | 00:00         | 00:48         | 31.55     |
| <b>Total Actual Labor:</b> |       |             |       |           |          |                   |                   |              |          |              | <b>127.50</b> |               |           |



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Org ID: MTA  
Site: LTRAIL

WO # 2850278      Semi Annual Switch Inspection  
Micro fractures in the straight point .  
3 loose screw spikes in the point area .  
1/2" of trail pumping between heel block - frog area .

Switch inspection complete

| Task IDs |  |        |           |          |                                |                             |
|----------|--|--------|-----------|----------|--------------------------------|-----------------------------|
| Task ID  | Description  | Status | Component | Position | Reason for Repair Accomplished | Work Part Failure Warranty? |
| 10       | Performed inspection according to LR MOW procedure | CLOSE  |           |          |                                | N                           |

Date Completed \_\_\_\_\_ Completed By \_\_\_\_\_ Supervisor \_\_\_\_\_



MD - Maximo

# Maryland Department of Transportation

## Work Order Details (Tr)

Org ID: MTA  
Site: LTRAIL

WO # 2850286

Semi Annual Switch Inspection

Micro fractures in the surface of the frog , also the frog is chipped and pitted .

Throat area of frog has micro fractures in it . Welding is needed .

Switch inspection complete .

|  |                          |                  |                         |                   |
|--|--------------------------|------------------|-------------------------|-------------------|
| Alias: 207NMOWSW-3A                                    | Track switch,L,10,FACING | Location: CMN207 | Chain Marker North, 207 | Status: OPERATING |
| Asset: 1262031   | Year:                    | Manufacturer:    | Type: FLEET             |                   |
| Serial Number:   |                          | License:         |                         |                   |
| Service Address: 1155 344 West North Ave, Baltimore MD |                          |                  |                         |                   |

Meters: Description Unit of Measure Last Reading Date Last Reading

CI:

Mileage Meter:

|                    |         |
|--------------------|---------|
| Sched Start:       |         |
| Sched Finish:      |         |
| Target Start:      | 4/28/17 |
| Target Finish:     | 4/28/17 |
| Actual Start:      | 4/5/17  |
| Actual Finish:     | 4/5/17  |
| Report Date:       | 4/1/17  |
| Reported By:       | MTACRON |
| Requestor of Work: |         |

|                             |  |
|-----------------------------|--|
| Site:                       | LTRAIL   |
| Priority:                   | 1  |
| Work Type:                  | PM   |
| Status:                     | CLOSE  |
| Parent:                     |  |
| Person Group:               | MTA527   |
| GL Account:                 | J05-####-05270-#####-0901-#####-#####-####-###-#####-000-30-00 |
| Warranty Situation Present? | N  |
| PM Num:                     | 47322  |

|                 |                               |
|-----------------|-------------------------------|
| Job Plan:       | 2688                          |
| Job Desc:       | Semi Annual Switch Inspection |
| Supervisor:     |                               |
| Lead:           | JREAVES3                      |
| Owner:          |                               |
| Owner Group:    |                               |
| Service:        |                               |
| Service Group:  |                               |
| Classification: | 2732                          |
| Part Failure:   |                               |

## Work Order Details (Tr)

Org ID: MTA  
Site: LTRAIL

WO # 2850286      Semi Annual Switch Inspection  
 Micro fractures in the surface of the frog , also the frog is chipped and pitted .  
 Throat area of frog has micro fractures in it . Welding is needed .  
 Switch inspection complete .

| Specification      | Attribute | Description        | ALN Value                     | Numeric Value | Unit of Measure |
|--------------------|-----------|--------------------|-------------------------------|---------------|-----------------|
| LTRAIL_DESCRIPTION |           | LTRAIL_DESCRIPTION | Semi Annual Switch Inspection |               |                 |

## Work Order Details (Tr)

Org ID: MTA  
Site: LTRAIL

WO # 2850286      Semi Annual Switch Inspection  
 Micro fractures in the surface of the frog , also the frog is chipped and pitted .  
 Throat area of frog has micro fractures in it . Welding is needed .  
 Switch inspection complete .

| Actual Labor               |         |             |         |           |          |                   |                   |              |          |              |               |               |           |
|----------------------------|---------|-------------|---------|-----------|----------|-------------------|-------------------|--------------|----------|--------------|---------------|---------------|-----------|
| Task ID                    | Craft   | Skill Level | Labor   | Component | Position | Reason for Repair | Work Accomplished | Part Failure | Warranty | Contract Num | Regular Hours | Premium Hours | Line Cost |
|                            | AREPAIR |             | MPOLLAF |           |          |                   |                   |              |          | N            | 00:00         | 00:48         | 31.55     |
|                            | AREPAIR |             | SSELL   |           |          |                   |                   |              |          | N            | 00:00         | 00:48         | 31.80     |
|                            | AREPAIR |             | ARABETT |           |          |                   |                   |              |          | N            | 00:00         | 00:48         | 32.60     |
|                            | AREPAIR |             | GLAM    |           |          |                   |                   |              |          | N            | 00:00         | 00:48         | 31.55     |
| <b>Total Actual Labor:</b> |         |             |         |           |          |                   |                   |              |          |              | <b>127.50</b> |               |           |



Maximo

Maryland Department of Transportation

# Work Order Details (Tr)

Org ID: MTA  
Site: LTRAIL

WO # 2850286      Semi Annual Switch Inspection  
Micro fractures in the surface of the frog , also the frog is chipped and pitted .  
Throat area of frog has micro fractures in it . Welding is needed .  
Switch inspection complete .

### Task IDs

| Task ID | Description  | Status | Component | Position | Reason for Repair | Work Accomplished | Part Failure | Warranty? |
|---------|--|--------|-----------|----------|-------------------|-------------------|--------------|-----------|
| 10      | Performed inspection according to LR MOW procedure | CLOSE  |           |          |                   |                   |              | N         |

Date Completed

Completed By

Supervisor





Work Order Details (Tr)

Org ID: MTA
Site: LTRAIL

Crew ID: null
WO # 2850642
Semi Annual Switch Inspection
No new defects , switch inspection complete

Alias: 207NMOWSW-1A
Asset: 1256320
Serial Number:
Service Address: 1155 344 West North Ave, Baltimore MD
Location: CMN207
Chain Marker North, 207
Status: OPERATING
Type: FLEET

Meters:
Description
Unit of Measure
Last Reading Date
Last Reading

Table with 2 columns: Attribute, Value. Rows include Sched Start, Sched Finish, Target Start, Target Finish, Actual Start, Actual Finish, Report Date, Reported By, Requestor of Work.

Table with 2 columns: Attribute, Value. Rows include Site, Priority, Work Type, Status, Parent, Person Group, GL Account, Warranty Situation Present?, PM Num.

Table with 2 columns: Attribute, Value. Rows include Job Plan, Job Desc, Supervisor, Lead, Owner, Owner Group, Service, Service Group, Classification, Part Failure.

Specification table with 4 columns: Attribute, Description, ALN Value, Numeric Value, Unit of Measure. Row: LTRAIL\_DESCRIPTION, Semi Annual Switch Inspection



# Work Order Details (Tr)

Org ID: MTA  
 Site: LTRAIL

WO # 2850642      Semi Annual Switch Inspection  
 No new defects , switch inspection complete

| Actual Labor               |         |             |         |           |          |                   |                   |              |          |              |               |               |           |
|----------------------------|---------|-------------|---------|-----------|----------|-------------------|-------------------|--------------|----------|--------------|---------------|---------------|-----------|
| Task ID                    | Craft   | Skill Level | Labor   | Component | Position | Reason for Repair | Work Accomplishec | Part Failure | Warranty | Contract Num | Regular Hours | Premium Hours | Line Cost |
|                            | AREPAIR |             | MPOLLAF |           |          |                   |                   |              | N        |              | 00:00         | 00:48         | 31.55     |
|                            | AREPAIR |             | SSELL   |           |          |                   |                   |              | N        |              | 00:00         | 00:48         | 31.80     |
|                            | AREPAIR |             | GLAM    |           |          |                   |                   |              | N        |              | 00:00         | 00:48         | 31.55     |
|                            | AREPAIR |             | ARABETT |           |          |                   |                   |              | N        |              | 00:00         | 00:48         | 32.60     |
| <b>Total Actual Labor:</b> |         |             |         |           |          |                   |                   |              |          |              |               | <b>127.50</b> |           |



# Work Order Details (Tr)

Org ID: MTA  
Site: LTRAIL

WO # 2850642      Semi Annual Switch Inspection  
No new defects , switch inspection complete

| Task ID | Description  | Status | Component | Position | Reason for Repair | Work Accomplished | Part Failure | Warranty? |
|---------|--|--------|-----------|----------|-------------------|-------------------|--------------|-----------|
| 10      | Performed inspection according to LR MOW procedure | CLOSE  |           |          |                   |                   |              | N         |

Date Completed \_\_\_\_\_ Completed By \_\_\_\_\_ Supervisor \_\_\_\_\_

## Work Order Details (Tr)

Org ID: MTA  
Site: LTRAIL

WO # 2850658      Semi Annual Switch Inspection  
04-08-2017

- 2 rotted machine timbers #1 rod bent
- 2 rotted 9' timbers + plate movement
- 1/16" wear on risor
- 3 loose guard rail bolts

|  |  |                    |                                       |                   |
|--|--|--------------------|---------------------------------------|-------------------|
| Alias: NAYDMOWSW94-1A                                  | Yard Switch 94-1A, RH # 6 YL 1 to YL 2 | Location: CMNAYARD | Chain Markers<br>North Avenue<br>Yard | Status: OPERATING |
| Asset: 1261767   | Year:                                  | Manufacturer:      | Type: FLEET                           |                   |
| Serial Number:   | License:                               |                    |                                       |                   |
| Service Address: 1155 344 West North Ave, Baltimore MD |  |                    |                                       |                   |

Meters:      Cl:      Description      Unit of Measure      Last Reading Date      Last Reading      Mileage Meter:

|                        |  |
|------------------------|--|
| Sched Start:           |  |
| Sched Finish:          |  |
| Target Start: 4/28/17  |  |
| Target Finish: 4/28/17 |  |
| Actual Start: 4/8/17   |  |
| Actual Finish: 4/8/17  |  |
| Report Date: 4/1/17    |  |
| Reported By: MTACRON   |  |
| Requestor of Work:     |  |

|                             |  |
|-----------------------------|--|
| Site:                       | LTRAIL   |
| Priority:                   | 1  |
| Work Type:                  | PM   |
| Status:                     | CLOSE  |
| Parent:                     |  |
| Person Group:               | MTA527   |
| GL Account:                 | J05-#####-05270-#####-0901-#####-#####-000-30-00 |
| Warranty Situation Present? | N  |
| PM Num:                     | 47833  |

|                 |                          |
|-----------------|--------------------------|
| Job Plan:       | 2689                     |
| Job Desc:       | Annual Switch Inspection |
| Supervisor:     |                          |
| Lead:           | JREAVES3                 |
| Owner:          |                          |
| Owner Group:    |                          |
| Service:        |                          |
| Service Group:  |                          |
| Classification: | 2732                     |
| Part Failure:   |                          |

## Work Order Details (Tr)

Org ID: MTA  
Site: LTRAIL

WO # 2850658      Semi Annual Switch Inspection  
04-08-2017

- 2 rotted machine timbers
- #1 rod bent
- 2 rotted 9' timbers + plate movement
- 1/16" wear on risor
- 3 loose guard rail bolts

| Specification      | Attribute | Description        | ALN Value                | Numeric Value | Unit of Measure |
|--------------------|-----------|--------------------|--------------------------|---------------|-----------------|
| LTRAIL_DESCRIPTION |           | LTRAIL_DESCRIPTION | Annual Switch Inspection |               |                 |

## Work Order Details (Tr)

Org ID: MTA  
Site: LTRAIL

WO # 2850658      Semi Annual Switch Inspection  
04-08-2017

- 2 rotted machine timbers
- #1 rod bent
- 2 rotted 9' timbers + plate movement
- 1/16" wear on risor
- 3 loose guard rail bolts

| Actual Labor               |       |             |       |           |          |                   |                   |              |          |              |               |               |           |
|----------------------------|-------|-------------|-------|-----------|----------|-------------------|-------------------|--------------|----------|--------------|---------------|---------------|-----------|
| Task ID                    | Craft | Skill Level | Labor | Component | Position | Reason for Repair | Work Accomplishec | Part Failure | Warranty | Contract Num | Regular Hours | Premium Hours | Line Cost |
| AREPAIR                    |       | GLAM        |       |           |          | N                 |                   |              |          |              | 00:00         | 00:48         | 31.55     |
| AREPAIR                    |       | MPOLLAF     |       |           |          | N                 |                   |              |          |              | 00:00         | 00:48         | 31.55     |
| AREPAIR                    |       | TSCHISLI    |       |           |          | N                 |                   |              |          |              | 00:00         | 00:48         | 31.55     |
| <b>Total Actual Labor:</b> |       |             |       |           |          |                   |                   |              |          |              | <b>94.65</b>  |               |           |



MD - Maximo

Maryland Department of Transportation

# Work Order Details (Tr)

Org ID: MTA  
Site: LTRAIL

WO # 2850658      Semi Annual Switch Inspection  
04-08-2017

- 2 rotted machine timbers
- #1 rod bent
- 2 rotted 9' timbers + plate movement
- 1/16" wear on risor
- 3 loose guard rail bolts

### Task IDs

| Task ID | Description  | Status | Component | Position | Reason for Repair | Work Accomplished | Part Failure | Warranty? |
|---------|--|--------|-----------|----------|-------------------|-------------------|--------------|-----------|
| 10      | Performed inspection according to LR MOW procedure | CLOSE  |           |          |                   |                   |              | N         |

Date Completed

Completed By

Supervisor



Mainline 1 2 Yard \_\_\_\_\_ WO # 2850658  
Date 4-8-17 Inspection Crew M POLLARD T SCHIGLER G LAM

1 Location \_\_\_\_\_  
2 Switch I.D. # 941A  
3 Facing \_\_\_\_\_ Trailing X

**Rail Points**

4 Point to Point SI  
5 Point Condition SYR  
6 Point Throw Nothing less than 4" or greater than 8"  
Min 3 1/2" on house top point protector  
N 5 1/8 R 5 1/8  
7 Point Opening  
N 5 3/8 R 5 5/8

8 FR SYR  
9 General Condition of the Points SYR

**Gage**

10 Heel of Switch  
a) Main 56 1/2  
a) Turnout 56 3/4  
11 Gage ahead of Bend 56 3/4  
Must not be less than 56" or more than 57" for "S"

12 Heel Spread in inches  
a) Turnout 6 1/2  
a) Main 6 1/4

**Stock Rail**

13 Bend SYR  
14 Condition SYR

**Bolts**

15 Loose \_\_\_\_\_ N/A  
16 Missing \_\_\_\_\_ N/A

**Rivets (Huck Bolts)**

17 Loose 0 N/A  
18 Missing 0 N/A  
19 Cotter Pins missing 0 N/A  
20 Jam Nuts Loose 0 N/A  
21 Washers OK Broken \_\_\_\_\_ Missing \_\_\_\_\_

22 Standard Joints SYR N/A  
23 Switch Plates SYR N/A  
24 Adjustable Braces SYR N/A  
25 Non-Adjustable Braces SYR N/A

**Switch Rods**

26 Front Rod SYR N/A  
27 #1 Rod (Basket Rod) SYR N/A  
28 #2 Rod SYR N/A  
29 #3 Rod SYR N/A  
30 #4 Rod SYR N/A  
31 Closure Rail SYR N/A  
32 Surface of Switch SYR N/A

Using a 62" cord  
S= Up to 1" Max allowed Speed  
Y= 1" to 1 1/2" 40 MPH  
R= 1 1/2" to 1 3/4" 12 MPH  
Greater than 1 3/4" = Out of Service

33 Head Block ties SYR  
34 Switch Adjustments Yes No

35 Lubrication OK Dry  
36 Switch Target / Lamps OK Missing N/A

37 Latches OK Broken Missing

38 Locks OK Broken Missing

39 General Condition SYR

40 Insulated Joints SYR

Remarks on Page 3  
JBW/WEM Mod. 09-18-08



Mainline 1 2 Yard \_\_\_\_\_ WO# 2850658

Date: 4-8-17 Inspection Crew: M. POLLARD T. SCHISLER G. LAM

**1 Location**

**2 Switch I.D. #** 941A

**3 Facing** \_\_\_\_\_ Trailing X

**44 Frog Tread** N SYR  
R SYR

**45 Frog #** 6

**46 Frog Point Condition**

SYR

**47 Condition of Frog**

SYR

**48 Surface of Frog**

SYR

**49 Throat In Inches** 3 1/2

**50 Flangeway Depth** 1 15/16

Flangeway Depth must not be less than 1 1/2"

**Gage**

**51 Main Track** 56 1/2

**52 Turnout Track** 56 3/4

Gage must not be less than 56" for any Class

**Guard Rails**

**53 Guard Rail Gage** N 54 1/2 R 54 3/4

Guard Rail Gage must be less than 54 3/8"

**54 Back to Back** N 52 1/4 R 52 3/4

Back to Back must be less than 53 1/8"

**54 Condition**

SYR

**55 Location of Guard Rail (Relation to Point)**

SYR

**Guard Rail Clamps**

**56 Main Track**

SYR N/A

**57 Turnout Track**

SYR N/A

Class 1 Gage 56" to 57 1/2"

More than 57 1/2" Out of Service

Class 3 Gage 56" to 57"

More than 57" to 57 1/4" downgrade to

Class 2 and gets a Y

Remarks on page 3

**Turnout Tie**

**58 Condition**

SYR

**59 Rail Movement**

SYR

**Tie Plates**

**60 Lead**

SYR

**61 Guard Rail Flangeway**

SYR N 1 15/16 R N/A

Guard Rail Flangeway can not be less 1 1/2"

**62 Guard Rail Plates**

SYR

**63 Frog Plates**

SYR

**Bolts**

**64 Loose** 0 N/A

**65 Missing** 0 N/A

**Rivets (Huck)**

**66 Loose** 0 N/A

**67 Missing** 0 N/A

**68 Nuts Missing** 0 N/A

**69 Cotter Pins Missing** 0 N/A

**70 Washers** OK Broken \_\_\_\_\_ Missing \_\_\_\_\_

**71 Hold Down Devices**

SYR N/A

**72 Spring Housing**

SYR N/A

**73 Derails**

SYR N/A

**74 Maximum difference in any 31' in Cross**

Level on the siding from the Frog Point to

50' beyond last long tie

OK Difference \_\_\_\_\_

**75 Condition of Line thru entire turnout**

SYR

Switch 941A Date 4-8-17 WO # 2850658

- 2 MACHINE TIMBER - ROTTEN
- 1-ROD BENT
- 2 ROTTED 9' + PLATE MOVEMENT
- 1/16" WEAR ON RISOR
- 3 LOOSE GUARD RAIL BOLTS

All rules comply with the MTA Field Guide for Track Inspections updated April 2006

All rules are class 3 for Mainline track and class 1 for Yard tracks

S All items inspected are in compliance

Y Attention needed

R Immediate attention required or Out of Service

Reviewed by: Jamm Reave Date: 4/17/17