**Work Order Tracking (Tr)**

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<th>Work Order</th>
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<th>Measurements</th>
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**Asset Details**

**Costs**

| Year: | Total Planned Cost: 0.00 | |

http://mtassets/maximo/ui/?event=loadapp&value=plustwo&uiSessionId=4821&csrfToken=... 1/15/2018
**Switch Inspection Report / Annual**

**WO #** 3182396

<table>
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<tr>
<th>Mainline</th>
<th>Yard</th>
<th>Inspection Crew</th>
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<tbody>
<tr>
<td>1</td>
<td></td>
<td>M. Alpin, R. Nelson</td>
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<tr>
<th>Location</th>
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<tbody>
<tr>
<td>Switch I.D. #</td>
<td>161</td>
</tr>
<tr>
<td>Facing</td>
<td>Trailing</td>
</tr>
</tbody>
</table>

**Rail Points**

4. Point to Point: 58

5. Point Condition: S Y R

6. Point Throw, nothing less than 4 3/4 inches: N 4 R 4

7. Point Opening: N 4 1/8 R 4 1/16

8. Fit: S Y R

9. General Condition of the Points: S Y R

**Gage**

10. Heel of Switch:
   a) Main: (Marked)
   b) Turnout: (Marked)

11. Gage ahead of Bend: 5 1/4

**Stock Rail**

13. Bend: S Y R

14. Condition: S Y R

**Bolts**

15. Loose: 0 N/A

16. Missing: 0 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: 0, Missing: 0

**Switch Rods**

26. Front Rod: S Y R N/A

27. #1 Rod (Basket Rod): S Y R N/A

28. #2 Rod: S Y R N/A

29. #3 Rod: S Y R N/A

30. #4 Rod: S Y R N/A

31. Closure Rail: S Y R N/A

32. Surface of Switch: S Y R 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: S Y R

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: S Y R

40. Insulated Joints: S Y R

**Remarks on Page 3**

WEM Mod. 09-15-08
Mainline 1 2 Yard 13 WO # 3182396

Date: 1-19-18 Inspection Crew: [Handwritten]

1 Location WAB
2 Switch ID # 161
3 Facing X Trailing
44 Frog Tread N S Y R R S Y R
45 Frog # 6
46 Frog Point Condition S Y R
47 Condition of Frog S Y R
48 Surface of Frog S Y R
49 Throat in Inches
50 Flangeway Depth Flangeway Depth must not be less than 1 1/2"

Gage
51 Main Track 51/8
52 Turnout Track [Handwritten]

Guard Rails
53 Guard Rail Gage N S Y R

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

54 Back to Back N R

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

54 Condition S Y R
55 Location of Guard Rail (Relation to Point) S Y R

Guard Rail Clamps
56 Main Track S Y R
57 Turnout Track S Y R

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

Turnout Ties
58 Condition S Y R
59 Rail Movement S Y R

Tie Plates
60 Lead S Y R

61 Guard Rail Flangeway S Y R N R
Guard Rail Flangeway can not be less 1 1/2"

62 Guard Rail Plates S Y R
63 Frog Plates S Y R

Bolts
64 Loose 0 N/A
65 Missing

Rivets (Huck)
66 Loose
67 Missing
68 Nuts Missing
69 Cotter Pins Missing
70 Washers OK Broken Missing

71 Hold Down Devices S Y R N/A
72 Spring Housing S Y R N/A
73 Derails S Y R 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 S Y R

Remarks on page 3
1. Left hand switch point has 3/8” side wear.
2. Wide gage ahead of switch points 5 7/8”.
3. Wide gage at heel blocks, 5 7/8” on main side, 5 7/8” on turnout side.

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: [Signature]
Work Order Tracking (Tr)

Work Order: 3176374
Classification: MTA \ METRO
Classification Description: MTA - METRO
Asset: 1243435
Alias: TMWY167B
Location: METROMOW
Work Location:
Work Type: PM
Status: APPR
Status Date: 01/15/18 09:04:41 AM
Reported By: WPULS
Phone: 410-454-8034
Reported Date: 11/20/17 05:21:07 AM
On Behalf Of:
Consist:

Asset Details

Costs

Year:

Total Planned Cost:

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<tr>
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<td>1-1878</td>
<td>Inspection Crew: M. Albin, R. Nelson</td>
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</table>

**Mainline Details**:  
1 Location: WAB  
2 Switch I.D. #: 167B  
3 Facing: Trailing X

**Rail Points**:  
4 Point to Point: 51 3/4
5 Point Condition: S Y R
6 Point Throw, nothing less than 4 3/4 inches: N S R 5
7 Point Opening: N 3/4 R 5 R 3
8 Fit: S Y R
9 General Condition of the Points: S Y R

**Gage**:  
10 Heel of Switch:  
   a) Main: 57
   b) Turnout: 57 1/8
11 Gage ahead of Bend: Must not be less than 56 inches or more than 57 inches for "S"
12 Heel Spread in Inches:  
   a) Turnout: 1 1/4
   a) Main: 1 3/8

**Stock Rail**:  
13 Bend: S Y R
14 Condition: S Y R

**Bolts**:  
15 Loose: 0 N/A
16 Missing: 0 N/A

**Rivets (Huck Bolts)**:  
17 Loose: 0 N/A
18 Missing: 0 N/A
19 Cotter Pins missing: 8 N/A
20 Jam Nuts Loose: 8 N/A
21 Washers: OK Broken: Missing

**Switch Rods**:  
22 Standard Joints: S Y R N/A
23 Switch Plates: S Y R N/A
24 Adjustable Braces: S Y R N/A
25 Non-Adjustable Braces: S Y R N/A

**Switch Rods**:  
26 Front Rod: S Y R N/A
27 #1 Rod (Basket Rod): S Y R N/A
28 #2 Rod: S Y R N/A
29 #3 Rod: S Y R N/A
30 #4 Rod: S Y R N/A
31 Closure Rail: S Y R N/A
32 Surface of Switch: S Y R 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

**Head Block ties**:  
33 Head Block ties: S Y R

**Switch Adjustments**:  
34 Switch Adjustments: Yes / No

**Lubrication**:  
35 Lubrication: OK Dry

**Switch Target / Lamps**:  
36 Switch Target / Lamps: OK Missing: N/A

**Latches**:  
37 Latches: OK Broken: Missing

**Locks**:  
38 Locks: OK Broken: Missing

**General Condition**:  
39 General Condition: S Y R

**Insulated Joints**:  
40 Insulated Joints: S Y R

**Remarks on Page 3**:  
/WE Modified 09-15-08
### Mainline

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<td>48 Surface of Frog</td>
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<td>49 Throat in Inches</td>
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**Flangeway Depth must not be less than 1 1/2"**

### Turnout Ties

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<tr>
<td>63 Frog Plates</td>
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### Tie Plates

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<td>60 Lead</td>
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<td>65 Missing</td>
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### Guard Rails

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<td>54 Back to Back</td>
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### Guard Rail Clamps

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<tr>
<td>57 Turnout Track</td>
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### Gage

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<td>51 Main Track</td>
<td>51 1/8</td>
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<tr>
<td>52 Turnout Track</td>
<td>52 1/4</td>
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**Gage must not be less than 56" any Class**

### Bolts

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### Rivets (Huck)

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<td>68 Nuts Missing</td>
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<td>69 Cotter Pins Missing</td>
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### Washers

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### Hold Down Devices

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### Spring Housing

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### Derails

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### Maximum difference in any 31' in Cross Level on the siding from the Frog Point to 50' beyond last long tie

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<tr>
<td>OK</td>
<td>Difference</td>
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### Remarks on page 3

---

**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**
Switch# WAB 167  WO # 3176374  Date 1-19-18

1. Wide gage ahead of switch points 57 3/8".
2. Wide gage at heel blocks 57" on normal and turnout sides.
3. 4 bolts are loose on the heel end of frog. One bolt and lock washer are missing on heel end insert between both running rails.

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: [Signature]
### Work Order Tracking (Tr)

**Work Order:** 3176382

**Classification:** MTA \ METRO

**Classification Description:** MTA - METRO

**Asset:** 1243393

**Alias:** TMWY169

**Location:** METROMOW

**Work Location:** Maintenance of Ways

**Work Type:** PM

**Status:** APPR

**Status Date:** 01/15/18 09:24:00 AM

**Reported By:** WPULS

**Phone:** 410-454-8034

**Reported Date:** 11/20/17 05:21:11 AM

**On Behalf Of:**

**Consist:**

---

**Asset Details**

**Year:**

---

**Costs**

**Total Planned Cost:** $0.00

---

**Attachments**

- Site:
- Failure Class:
- Problem Code:
- Priority:
- Asset/Location Priority:
- Is Task?
- Parent WO:
- Warranty Situation Present:
- Maintenance Alert?
- Repair Order?
- Has Follow-up Work?
- Quick PM?
**Switch Inspection Report /Annual**

**Mainline** 1 2 3 **Yard** 1

| Date: | 1-19-18 | Inspection Crew | M. Achning, R. Nelson |

1 Location | WAB |
2 Switch I.D. # | 169 |
3 Facing | X | Trailing |

**Rail Points**
4 Point to Point | 51 |
5 Point Condition | S Y R |
6 Point Throw | nothing less than 4 3/4 inches |
   | N | 494 | R | 494 |
7 Point Opening | N | 594 | R | 5 |
8 Fit | S Y R |
9 General Condition of the Points | S Y R |

**Gage**
10 Heel of Switch
   a) Main | 506 |
   a) Turnout | 56 |
11 Gage ahead of Bend | just not be less than 56 inches or more than 57 inches for "S"
12 Heel Spread in Inches
   a) Turnout | 69 |
   a) Main | 69 |

**Stock Rail**
13 Bend | S Y R |
14 Condition | S Y R |

**Bolts**
15 Loose | 0 | N/A |
16 Missing | 0 | 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 | 0 | Missing |

**Switch Rods**
26 Front Rod | S Y R | N/A |
27 #1 Rod (Basket Rod) | S Y R | N/A |
28 #2 Rod | S Y R | N/A |
29 #3 Rod | S Y R | N/A |
30 #4 Rod | S Y R | N/A |
31 Closure Rail | S Y R | N/A |
32 Surface of Switch | S Y R | 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 | S Y R |
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 | S Y R |
40 Insulated Joints | S Y R |

**Remarks on Page 3**
IWEM Mod. 09-15-08
Mainline 1 2 Yard 1

Date: 1-19-18 Inspection Crew: 

1 Location WAB
2 Switch ID # 169
3 Facing X Trailing
44 Frog Tread N SYR
R SYR

45 Frog #
46 Frog Point Condition SYR
47 Condition of Frog SYR
48 Surface of Frog SYR

49 Throat in Inches
50 Flangeway Depth Flangeway Depth must not be less than 1 1/2"

Gage
51 Main Track 56 1/2
52 Turnout Track 56 1/2
Gage must not be less than 56" any Class

Guard Rails
53 Guard Rail Gage N 54 3/8 R 54 3/8
Guard Rail Gage must be less than 54 3/8"
54 Back to Back N R
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
57 Turnout Track SYR

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

Turnout Ties
58 Condition SYR
59 Rail Movement SYR

Tie Plates
60 Lead SYR

Guard Rail Flangeway
61 Guard Rail Flangeway can not be less 1 1/2"
62 Guard Rail Plates SYR
63 Frog Plates SYR

Bolts
64 Loose N/A
65 Missing N/A

Rivets (Huck)
66 Loose N/A
67 Missing N/A
68 Nuts Missing N/A
69 Cotter Pins Missing 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

Remarks on page 3
Switch# WAB 169  
WO # 3176382  
Date 1-19-18  

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: [Signature]
Work Order Tracking (Tr)

<table>
<thead>
<tr>
<th>List View</th>
<th>Work Order</th>
<th>Plans</th>
<th>Actuals</th>
<th>Activities</th>
<th>Measurements</th>
<th>Axle Configuration</th>
<th>Related Records</th>
</tr>
</thead>
</table>

Work Order: 3176386
Classification: MTA \ METRO
Classification Description: MTA - METRO
Asset: 1243434
Alias: TMWY167A
Location: METROMOW
Work Location: Maintenance of Ways
Work Type: PM
Status: APPR
Status Date: 01/15/18 11:59:57 AM
Reported By: WPULS
Phone: 410-454-8034
Reported Date: 11/20/17 05:21:13 AM
On Behalf Of: 
Consist: 

Asset Details

Costs

Total Planned Cost: 0.00

Attachments

Site:
Failure Class:
Problem Code:
Priority:
Asset/Location Priority:
Is Task?
Parent WO:
Warranty Situation Present:
Maintenance Alert?
Repair Order?
Has Follow-up Work?
Quick PM?
# Switch Inspection Report / Annual

**Mainline:** 1 2  
**Yard:** 2

**Date:** 1-19-18  
**Inspection Crew:** McAlpin, R. Nelson

**WO #:** 317638

<table>
<thead>
<tr>
<th>Rail Points</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>4 Point to Point</td>
<td>52 1/2</td>
</tr>
<tr>
<td>5 Point Condition</td>
<td>S Y R</td>
</tr>
<tr>
<td>6 Point Throw: <strong>nothing less than 4 3/4 inches</strong></td>
<td>N 4 7/16</td>
</tr>
<tr>
<td>7 Point Opening</td>
<td>N 5 5/16</td>
</tr>
<tr>
<td>8 Fit</td>
<td>S Y R</td>
</tr>
<tr>
<td>9 General Condition of the Points</td>
<td>S Y R</td>
</tr>
<tr>
<td><strong>Gage</strong></td>
<td></td>
</tr>
<tr>
<td>10 Heel of Switch</td>
<td></td>
</tr>
<tr>
<td>11 Gage ahead of Bend</td>
<td></td>
</tr>
<tr>
<td><strong>Stock Rail</strong></td>
<td></td>
</tr>
<tr>
<td>13 Bend</td>
<td>S Y R</td>
</tr>
<tr>
<td>14 Condition</td>
<td>S Y R</td>
</tr>
<tr>
<td><strong>Bolts</strong></td>
<td></td>
</tr>
<tr>
<td>15 Loose</td>
<td>O N/A</td>
</tr>
<tr>
<td>16 Missing</td>
<td>O N/A</td>
</tr>
<tr>
<td><strong>Rivets (Huck Bolts)</strong></td>
<td></td>
</tr>
<tr>
<td>17 Loose</td>
<td>O N/A</td>
</tr>
<tr>
<td>18 Missing</td>
<td>O N/A</td>
</tr>
<tr>
<td>19 Cotter Pins missing</td>
<td>O N/A</td>
</tr>
<tr>
<td>20 Jam Nuts Loose</td>
<td>O N/A</td>
</tr>
<tr>
<td>21 Washers, OK</td>
<td>Broken O Missing</td>
</tr>
</tbody>
</table>

**Switch Rods**

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

**Using a 62' cord**

| 33 Head Block ties |  |
| 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 | S Y R |
| 40 Insulated Joints | S Y R |

**Remarks on Page 3**

WWEM Mod. 09-15-08
Frog Inspection Report / Annual

Date: 1-19-18  Inspection Crew: M. A. Hocking, R. Nelson

WO # 31763840

1 Location  WAB
2 Switch ID #  147A
3 Facing  X  Trailing
44 Frog Tread  N  S Y R  R  S Y R  T
45 Frog #  2
46 Frog Point Condition  S Y R
47 Condition of Frog  S Y R
48 Surface of Frog  S Y R
49 Throat in Inches  2 1/4
50 Flange Way Depth  

Turnout Ties
58 Condition
59 Rail Movement

Tie Plates
60 Lead

Guard Rail Flange Way
61 Guard Rail Flange Way can not be less than 1 1/2"

62 Guard Rail Plates

63 Frog Plates  S Y R

Bolts
64 Loose  N/A
65 Missing  0  N/A

Rivets (Huck)
66 Loose  N/A
67 Missing  N/A
68 Nuts Missing  N/A
69 Cotter Pins Missing  N/A
70 Washers  OK, Broken  Missing

Guard Rails
53 Guard Rail Gage  N  51/2 R  5 5/8

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

Gage
51 Main Track  56 1/2
52 Turnout Track  57 1/8

Gage must not be less than 56" any Class

Guard Rail Clamps
56 Main Track  S Y R
57 Turnout Track  S Y R

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
Switch# WAB 147A
WO # 3176384
Date 1-19-80

1. Left hand switch point has 1/8" side wear.
2. Curved closure rail has 1/8" side wear.
3. Frog point is too worn and has 1/8" side wear.
   Turnout side riser is too worn.
4. Wide gage ahead of switch points 57/64".
5. Wide gage at heel blocks. Main side is 57/64".
   Turnout side is 57/64".

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: [Signature]
Work Order Tracking (Tr)

Work Order: 3183929
Classification: MTA \ METRO
Classification Description: MTA - METRO
Asset: 1243458
Alias: TMWY105
Location: METROMOW
Work Location: Maintenance of Ways
Work Type: PM
Status: APPR
Status Date: 01/15/18 12:02:27 PM
Reported By: MTACRON
Phone:
Reported Date: 11/27/17 04:12:47 AM
On Behalf Of:
Consist:

Asset Details

Costs

Year:

Total Planned Cost:

http://mtassets/maximo/ui/?event=loadapp&value=plustwo&uisessionid=6364&csrftoken=... 1/23/2018
**Switch Inspection Report /Annual**

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<th>Yard</th>
<th>9</th>
<th>WO #</th>
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<tr>
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<td></td>
<td></td>
<td>WAB</td>
<td></td>
<td></td>
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<td>Switch I.D. #</td>
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<td></td>
<td>105</td>
<td></td>
<td></td>
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<tr>
<td>Facing</td>
<td></td>
<td>X</td>
<td>Trailing</td>
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**Rail Points**

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<th>4 Point to Point</th>
<th>51/8</th>
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<tr>
<td>5 Point Condition</td>
<td>Y R</td>
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<tr>
<td>6 Point Throw, nothing less than 4 3/4 inches</td>
<td>N</td>
</tr>
<tr>
<td>7 Point Opening</td>
<td>N</td>
</tr>
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</table>

**Gage**

<table>
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<th>10 Heel of Switch</th>
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<tr>
<td>a) Main 30 1/3</td>
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<tr>
<td>a) Turnout 30 1/3</td>
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**Stock Rail**

<table>
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<tr>
<th>13 Bend</th>
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<tbody>
<tr>
<td>S</td>
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**Bolts**

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<tr>
<th>15 Loose 0</th>
<th>16 Missing 0</th>
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**Rivets (Huck Bolts)**

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<tr>
<th>17 Loose 0</th>
<th>18 Missing 0</th>
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<tbody>
<tr>
<td>19 Cotter Pins missing 0</td>
<td>20 Jam Nuts Loose 0</td>
</tr>
<tr>
<td>21 Washers OK Broken 0 Missing</td>
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</table>

**Switch Rods**

<table>
<thead>
<tr>
<th>26 Front Rod</th>
</tr>
</thead>
<tbody>
<tr>
<td>27 #1 Rod (Basket Rod)</td>
</tr>
<tr>
<td>28 #2 Rod</td>
</tr>
<tr>
<td>29 #3 Rod</td>
</tr>
<tr>
<td>30 #4 Rod</td>
</tr>
</tbody>
</table>

**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 |

**Remarks on Page 3**

/ WEM Mod. 09-15-08
Mainline 1 2 Yard 9

Date: 1-26-18 Inspection Crew: M. Alding, R. Nelson

1 Location WAB
2 Switch ID # 105
3 Facing X

44 Frog Tread N Y R
N Y R

45 Frog # 10
46 Frog Point Condition S Y R
47 Condition of Frog S Y R
48 Surface of Frog S Y R

49 Throat in Inches 3 1/4
50 Flangeway Depth
Flangeway Depth must not be less than 1 1/2"

Gage
51 Main Track 56 3/8
52 Turnout Track 56 3/8

Gage must not be less than 56" any Class

Guard Rails
53 Guard Rail Gage N 54 3/8 R
54 Back to Back N R

Guard Rail Gage must be less than 54 3/8"
Back to Back must be less than 53 1/8"

54 Condition S Y R
55 Location of Guard Rail (Relation to Point) S Y R

Guard Rail Clamps
56 Main Track S Y R
57 Turnout Track S Y R

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

Turnout Ties
58 Condition S Y R
59 Rail Movement S Y R

Tie Plates
60 Lead S Y R
61 Guard Rail Flangeway
Guard Rail Flangeway can not be less than 1 1/2"

62 Guard Rail Plates S Y R
63 Frog Plates S Y R

Bolts
64 Loose N/A
65 Missing N/A

Rivets (Huck)
66 Loose N/A
67 Missing N/A
68 Nuts Missing N/A
69 Cotter Pins Missing N/A
70 Washers OK Broken Missing

71 Hold Down Devices S Y R N/A
72 Spring Housing S Y R N/A
73 Derails S Y R N/A

74 Maximum difference in any 31' in Cross
Level on the siding from the Frog Point to
50' beyond last long tie
Difference 1/100

75 Condition of Line thru entire turnout S Y R

Remarks on page 3
Switch# WAB 105  WO # 3183929  Date 1-26-18

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: [Signature]
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<th>Work Order Tracking (Tr)</th>
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<td>Location: METROMOW</td>
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<td>Work Location:</td>
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<td>Work Type: PM</td>
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<td>Phone:</td>
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<td>Consist:</td>
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### Asset Details

| Year: |

### Costs

| Total Planned Cost: | |

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http://mtassets/maximo/ui/?event=loadapp&value=plustwo&uisessionid=6364&csrftoken=... 1/23/2018
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<th>3</th>
<th>WO # 3182445</th>
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<tr>
<td>Location</td>
<td>WAB</td>
<td>126-18</td>
<td>Inspection Crew</td>
<td>M. Ahoon</td>
<td>R. Nelson</td>
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### Rail Points

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Value</th>
</tr>
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<tbody>
<tr>
<td>4 Point to Point</td>
<td>51 1/2</td>
</tr>
<tr>
<td>5 Point Condition</td>
<td>S Y R</td>
</tr>
<tr>
<td>6 Point Throw, nothing less than 4.3/4 inches</td>
<td>N R 11/16</td>
</tr>
<tr>
<td>7 Point Opening</td>
<td>N R 5/8</td>
</tr>
<tr>
<td>8 Fit</td>
<td>S Y R</td>
</tr>
<tr>
<td>9 General Condition of the Points</td>
<td>S Y R</td>
</tr>
</tbody>
</table>

### Gage

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>10 Heel of Switch</td>
<td>14 3/16</td>
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<tr>
<td>11 Gage ahead of Bend</td>
<td>56 1/2</td>
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### Stock Rail

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>13 Bend</td>
<td>S Y R</td>
</tr>
<tr>
<td>14 Condition</td>
<td>S Y R</td>
</tr>
</tbody>
</table>

### Bolts

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>15 Loose</td>
<td>0 N/A</td>
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<tr>
<td>16 Missing</td>
<td>0 N/A</td>
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### Rivets (Huck Bolts)

<table>
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<th>Requirement</th>
<th>Value</th>
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<tr>
<td>17 Loose</td>
<td>0 N/A</td>
</tr>
<tr>
<td>18 Missing</td>
<td>0 N/A</td>
</tr>
<tr>
<td>19 Cotter Pins missing</td>
<td>0 N/A</td>
</tr>
<tr>
<td>20 Jam Nuts Loose</td>
<td>0 N/A</td>
</tr>
<tr>
<td>21 Washers</td>
<td>OK Broken Missing</td>
</tr>
</tbody>
</table>

### Switch Rods

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>26 Front Rod</td>
<td>S Y R N/A</td>
</tr>
<tr>
<td>27 #1 Rod (Basket Rod)</td>
<td>S Y R N/A</td>
</tr>
<tr>
<td>28 #2 Rod</td>
<td>S Y R N/A</td>
</tr>
<tr>
<td>29 #3 Rod</td>
<td>S Y R N/A</td>
</tr>
<tr>
<td>30 #4 Rod</td>
<td>S Y R N/A</td>
</tr>
<tr>
<td>31 Closure Rail</td>
<td>S Y R N/A</td>
</tr>
<tr>
<td>32 Surface of Switch</td>
<td>S Y R N/A</td>
</tr>
</tbody>
</table>

**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

### Remarks on Page 3

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Value</th>
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<tbody>
<tr>
<td>33 Head Block ties</td>
<td>S Y R</td>
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<tr>
<td>34 Switch Adjustments</td>
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</tr>
<tr>
<td>35 Lubrication</td>
<td>OK Dry</td>
</tr>
<tr>
<td>36 Switch Target / Lamps</td>
<td>OK Missing 0 N/A</td>
</tr>
<tr>
<td>37 Latches</td>
<td>OK Broken Missing</td>
</tr>
<tr>
<td>38 Locks</td>
<td>OK Broken Missing</td>
</tr>
<tr>
<td>39 General Condition</td>
<td>S Y R</td>
</tr>
<tr>
<td>40 Insulated Joints</td>
<td>S Y R</td>
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</tbody>
</table>
Frog Inspection Report / Annual

Mainline 1 2 Yard 3

Date: 1-26-18

Inspection Crew

WO # 3182445

1 Location WAB
2 Switch ID # 137
3 Facing X Trailing
44 Frog Tread N S Y R R S Y R
45 Frog # 16
46 Frog Point Condition S Y R
47 Condition of Frog S Y R
48 Surface of Frog S Y R

49 Throat in Inches 31/4
50 Flangeway Depth
Flangeway Depth must not be less than 1 1/2"

Gage
51 Main Track 541/6
52 Turnout Track 54 1/6

Gage must not be less than 56" any Class

Guard Rails
53 Guard Rail Gage N 54 1/8 R 54 1/8

Guard Rail Gage must be less than 54 3/8"
54 Back to Back N R

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

54 Condition S Y R
55 Location of Guard Rail (Relation to Point) S Y R

Guard Rail Clamps
56 Main Track S Y R
57 Turnout Track S Y R

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

Turnout Ties
58 Condition S Y R
59 Rail Movement S Y R

Tie Plates
60 Lead S Y R
61 Guard Rail Flangeway S Y R N R

Guard Rial Flangeway can not be less 1 1/2"
62 Guard Rail Plates S Y R

63 Frog Plates S Y R

Bolts
64 Loose
65 Missing N/A

Rivets (Huck)
66 Loose N/A
67 Missing N/A
68 Nuts Missing N/A
69 Cotter Pins Missing N/A
70 Washers OK Broken Missing

71 Hold Down Devices S Y R N/A
72 Spring Housing S Y R N/A
73 Derails S Y R 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 1/16

75 Condition of Line thru entire turnout S Y R

Remarks on page 3
One Tie on a carpad or under straight clouer rail

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 Signature
**Work Order Tracking (Tr)**

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<th>Actuals</th>
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<th>Measurements</th>
<th>Axle Configuration</th>
<th>Related</th>
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**Asset Details**

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http://mtassets/maximo/ui/?event=loadapp&value=plustwo&uisessionid=6364&csrftoken=... 1/23/2018
Mainline  1  2  Yard  11  

Location  WAB  
2 Switch I.D.  151  
3 Facing  X  Trailing  

Rail Points
4 Point to Point  5 1/4  
5 Point Condition  S Y R  
6 Point Throw, nothing less than 4 3/4 inches  4 1/4  
7 Point Opening  4 1/4  
8 Fit  S Y R  
9 General Condition of the Points  S Y R  
10 Gage of Switch  
11 Gage ahead of Bend  
12 Heel Spread in Inches  

Stock Rail
13 Bend  S Y R  
14 Condition  S R  

Bolts
15 Loose  0  N/A  
16 Missing  0  N/A  

Rivets (Huck Bolts)
17 Loose  0  N/A  
18 Missing  0  N/A  
19 Cotter Pins missing  8  N/A  
20 Jam Nuts Loose  8  N/A  
21 Washers, OK  Broken  Missing  

Switch Inspection Report /Annual

WO # 3176378

Inspection Crew  M. Nelson  

22 Standard Joints  S Y R  N/A  
23 Switch Plates  S Y R  N/A  
24 Adjustable Braces  S Y R  N/A  
25 Non-Adjustable Braces  S Y R  N/A  

Switch Rods
26 Front Rod  S Y R  N/A  
27 #1 Rod (Basket Rod)  S Y R  N/A  
28 #2 Rod  S Y R  N/A  
29 #3 Rod  S Y R  N/A  
30 #4 Rod  S Y R  N/A  
31 Closure Rail  S Y R  N/A  
32 Surface of Switch  S Y R  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  S Y R  
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  S Y R  
40 Insulated Joints  S Y R  

Remarks on Page 3

WEM Mod. 09-15-08
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<th>Mainline</th>
<th>1</th>
<th>2</th>
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**Flangeway Depth must not be less than 1 1/2"**

**Gage**

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**Guard Rails**

| Guard Rail Gage | 54 1/8 | R | 54 1/8 | | | |
| Guard Rail Gage must be less than 54 3/8" | | | | | | |
| Back to Back | N | R | | | | |
| Back to Back must be less than 53 1/8" | | | | | | |

**Guard Rail Clamps**

| 56 Main Track | | S | Y | R | | |
| 57 Turnout Track | | S | Y | R | | |

**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**
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: [Signature]