Work Order Tracking (Tr)

Work Order: 3167161  METRO MOW SEMI-ANNUAL SWITCH INSPECTION

Classification: MTA \ METRO

Classification Description: MTA - METRO

Asset: 1247414  METRO MOW SWITCH JH1A CHAIN MARK = 070E+05

Alias: TME2JH1A

Location: METROMOW  Maintenance of Ways

Work Location:

Work Type: PM

Status: APPR

Status Date: 11/28/17 04:31:31 PM

Reported By: WPULS

Phone: 410-454-8034

Reported Date: 11/13/17 06:36:29 AM

On Behalf Of:

Consist:

Asset Details

Costs

Total Planned Cost: 165.78
<table>
<thead>
<tr>
<th>Mainline</th>
<th>1</th>
<th>2</th>
<th>Yard</th>
<th>Inspection Crew</th>
<th>WO # 3167181</th>
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<tbody>
<tr>
<td>Date</td>
<td>1/2/2018</td>
<td></td>
<td></td>
<td>J. Brockmeyer, A. Perkins, R. Nelson</td>
<td></td>
</tr>
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</table>

1 Location     JH
2 Switch I.D. # IA
3 Facing X Trailing

<table>
<thead>
<tr>
<th>Rail Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 Point to Point      53</td>
</tr>
<tr>
<td>5 Point Condition   S Y R</td>
</tr>
<tr>
<td>6 Point Throw, nothing less than 4 3/4 inches N R 3 1/8</td>
</tr>
<tr>
<td>7 Point Opening    N R 3 1/8</td>
</tr>
<tr>
<td>8 Fit                Y R</td>
</tr>
<tr>
<td>9 General Condition of the Points Y R</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Gage</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 Heel of Switch Turnout 57</td>
</tr>
<tr>
<td>11 Gage ahead of Bend 37</td>
</tr>
<tr>
<td>Must not be less than 56 inches or more than 57 inches for &quot;S&quot;</td>
</tr>
<tr>
<td>12 Heel Spread in Inches a) Turnout</td>
</tr>
<tr>
<td>a) Main 4 14</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Stock Rail</th>
</tr>
</thead>
<tbody>
<tr>
<td>13 Bend     Y R</td>
</tr>
<tr>
<td>14 Condition Y R</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bolts</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 Loose 0 N/A</td>
</tr>
<tr>
<td>16 Missing 0 N/A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rivets (Huck Bolts)</th>
</tr>
</thead>
<tbody>
<tr>
<td>17 Loose 0 N/A</td>
</tr>
<tr>
<td>18 Missing 0 N/A</td>
</tr>
<tr>
<td>Cotter Pins missing 0 N/A</td>
</tr>
<tr>
<td>Jam Nuts Loose 0 N/A</td>
</tr>
<tr>
<td>21 Washers OK Broken Missing</td>
</tr>
</tbody>
</table>

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

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

33 Head Block ties 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 Y R
40 Insulated Joints Y R

Remarks on Page 3

JBW/WEM Mod. 09-15-08
**Frog Inspection Report / Semi-Annual**

<table>
<thead>
<tr>
<th>Mainline</th>
<th>1</th>
<th>2</th>
<th>Yard</th>
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<th>WO #</th>
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<tr>
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<td><em>1/2/2018</em></td>
<td></td>
<td></td>
<td>Inspection Crew</td>
<td>J. Brockmeyer, A. Perkins, R. Nelson</td>
</tr>
</tbody>
</table>

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

- **Tie Plates**
  - 60 Lead
    - S Y R
  - 61 Guard Rail Flangeway
    - R
    - N
    - 1 1/2
    - 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
    - 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

- **Guard Rails**
  - 53 Guard Rail Gage
    - N
    - 54 3/8 R
    - S Y R
    - 54 3/8
    - Guard Rail Gage must be less than 54 3/8"

- **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**
1. Right hand curved switch point is severely chipped out 75% back from front of point, 4¼"
    down from top of point.

2. Curved closure rail has ⅛ side wear.

3. Cage at front of points is 57".

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**: 3167185
  - **Classification**: MTA \ METRO
  - **Classification Description**: MTA - METRO
- **Asset**: 1246206
  - **Alias**: TME1JH1B
  - **Location**: METROMOW
    - **Maintenance of Ways**
  - **Work Location**: 
  - **Work Type**: PM
- **Status**: APPR
  - **Status Date**: 11/28/17 04:32:23 PM
- **Reported By**: WPULS
  - **Phone**: 410-454-8034
  - **Reported Date**: 11/13/17 06:36:34 AM
- **Consist**: 

**Asset Details**

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<tr>
<th>Year</th>
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<tbody>
<tr>
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</tbody>
</table>

**Costs**

- **Total Planned Cost**: 165.76

---

http://mtassets/maximo/ui/?event=loadapp&value=plustwo&uisessionid=1877&csrftoken... 11/28/2017
Switch Inspection Report / Semi-Annual

Mainline 1 Yard __________________ WO # 3167185

Date: 1/2/2018 Inspection Crew J. Brockmeyer, A. Perkins, R. Nelson

1 Location JH
2 Switch I.D. # 1B
3 Facing X Trailing

Rail Points
4 Point to Point 5/24
5 Point Condition S Y R
6 Point Throw, nothing less than 4 3/4 inches N R 3 1/4
7 Point Opening N R 3 3/4

8 Fit Y R
9 General Condition of the Points Y R

Gage
10 Heel of Switch Main 5/16
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 4 3/4
a) Main 4 3/4

Stock Rail
13 Bend Y R
14 Condition Y R

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

Rivets (Huck Bolts)
17 Loose O N/A
18 Missing O N/A
Potter Pins missing O N/A
20 Jam Nuts Loose O N/A
21 Washers OK Broken Missing

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

Remarks on Page 3
JBW/WEM Mod. 09-15-08
Mainline 1 2  Yard  

Date: 1/2/2018  Inspection Crew: J. Brockmeyer, A. Perkins, R. Nelson  

WO # 3167185  

1 Location JH  
2 Switch I.D. # 1B  
3 Facing X Trailing  
44 Frog Tread N S Y R R S Y R  
45 Frog #  
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 56.34  
52 Turnout Track 56.12  
      Gage must not be less than 56" any Class  

Guard Rails  
53 Guard Rail Gage N 54.98  
      Guard Rail Gage must be less than 54 3/8"  
54 Back to Back N 53.38  
      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  
      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  
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
Switch JH 1B  
WO # 3167185  
Date 1/2/2018

1. Right hand curved switch point has 3/16" side wear.
2. 4 broken fastening bolts on switch plates in point area.
3. Curved closure rail has 3/16" side wear.
4. Frog riser normal side has 3/16" top wear.

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>
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</table>

**Work Order:** 3167193  
**Classification:** MTA \ METRO

**Classification Description:** MTA - METRO

**Asset:** 1247219  
**Alias:** TMEJH3B

**Location:** METROMOW  
**Maintenance of Ways**

**Work Location:**

**Work Type:** PM

**Status:** APPR

**Status Date:** 11/28/17 04:34:15 PM

**Reported By:** WPULS

**Phone:** 410-454-8034

**Reported Date:** 11/13/17 06:36:38 AM

**On Behalf Of:**

**Consist:**

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**Asset Details**

<table>
<thead>
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<th>Year:</th>
</tr>
</thead>
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**Costs**

| Total Planned Cost: | 165.78 |

---

**Attachments**

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

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**SMXAA48911 - Status change**

[Link to document: http://mtassets/maximo/ui/?event=loadapp&value=plustwo&uisessionid=1877&csrftoken... 11/28/2017]
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<tbody>
<tr>
<td>Date:</td>
<td>1/2/2018</td>
<td>Inspection Crew</td>
<td>J. Brockmeyer, A. Perkins, R. Nelson</td>
</tr>
</tbody>
</table>

**Rail Points**
- 4 Point to Point: 52 1/2
- 5 Point Condition: Y R
- 6 Point Throw, *nothing less than 4 3/4 inches*:
  - N: R. 3 1/8
- 7 Point Opening:
  - N: R. 3 1/4
- 8 Fit: Y R
- 9 General Condition of the Points: Y R

**Gage**
- 10 Heel of Switch:
  - a) Main: 31 1/8
  - b) Turnout: 31 1/4
- 11 Gage ahead of Bend: 31 1/2

**Must not be less than 56 inches or more than 57 inches for "S"**

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

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

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

**Switches**
- 22 Standard Joints: Y R N/A
- 23 Switch Plates: S 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: Y R N/A
- 27 #1 Rod (Basket Rod): S Y R N/A
- 28 #2 Rod: Y R N/A
- 29 #3 Rod: Y R N/A
- 30 #4 Rod: Y R N/A
- 31 Closure Rail: S R N/A
- 32 Surface of Switch: Y R N/A

Using a 62' cord
- S= Up to 11 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: 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: Y R
- 40 Insulated Joints: Y R

**Remarks on Page 3**

JBW/WEM Mod. 09-15-08
Mainline 1

Date: 1/2/2018

Yard

Inspection Crew J. Brockmeyer, A. Perkins, R. Nelson

WO # 3167193

1 Location

2 Switch I.D. # 3B

3 Facing Trailing X

44 Frog Tread N S Y R

R S Y R

45 Frog #

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 Flange Way Depth

Flange Way Depth must not be less than 1 1/2"

Gage

51 Main Track

52 Turnout Track Gage must not be less than 56" any Class

Guard Rails

53 Guard Rail Gage N S R 54 3/8"

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

54 Back to Back N 53 R 5 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 Grad Rail Flange Way S Y R N 1/4" Guard Rail Flange Way 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 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

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 curved switch point has toe side wear.
2. Curved closure rail has toe side wear.
3. Normal side frog riser has toe top wear.
4. Frog point is chipped in 2 places.
5. 12 broken fastening bolts on plates in the switch point area.

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:** 3167169  
**Classification:** MTA \ METRO  
**Classification Description:** MTA - METRO

**Asset:** 1246296  
**Alias:** TME2JH3A

**Location:** METROMOW  
**Maintenance of Ways**

**Work Location:**  
**Work Type:** PM  
**Status:** APPR

**Status Date:** 11/28/17 04:33:24 PM
**Reported By:** WPULS  
**Phone:** 410-454-8034

**Reported Date:** 11/13/17 06:36:36 AM  
**On Behalf Of:**  
**Consist:**

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**Asset Details**

**Costs**

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<tr>
<th>Year</th>
<th>Total Planned Cost</th>
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<td>165.78</td>
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</tbody>
</table>

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http://mtassets/maximo/ui/?event=loadapp&value=plustwo&uisessionid=1877&csrfToken...  11/28/2017
Switch Inspection Report / Semi-Annual

Mainline 2  Yard  WO # 3167189

Date: 1/2/2018  Inspection Crew J. Brockmeyer, A. Perkins, R. Nelson

1 Location  JH
2 Switch I.D. #  3A
3 Facing  Trailing  X

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

Gage
10 Heel of Switch  a) Main 
    Turnout 36
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 41/2
    a) Main 4 1/5

Stock Rail
13 Bend  S/ Y R
14 Condition  S/ Y R

Bolts
15 Loose  N/A
16 Missing  N/A

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

Switch Rods
22 Standard Joints  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/ O 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

JBW/WEM Mod. 09-15-08
Mainline 2  Yard  WO # 3167189

Date: 1/2/2018  Inspection Crew J. Brockmeyer, A. Perkins, R. Nelson

1 Location JH
2 Switch I.D. # 3A
3 Facing Trailing X
44 Frog Tread N S Y R
45 Frog # 46 Frog Point Condition
47 Condition of Frog S Y R
48 Surface of Frog S Y R
49 Throat in Inches 2 1/4
50 Flangeway Depth 2 1/8
Flangeway Depth must not be less than 1 1/2"

Gage
51 Main Track S Y R
52 Turnout Track 1 1/4"
Gage must not be less than 56" any Class

Guard Rails
53 Guard Rail Gage N 54 3/8"
Guard Rail Gage must be less than 54 3/8"
54 Back to Back N 53 1/8"
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 2 1/4"
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 0 N/A

Rivets (Huck)
66 Loose N/A
67 Missing N/A
68 Nuts Missing 0 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

75 Condition of Line thru entire turnout S Y R
Switch JH 3A  WO # 3167189  Date 1/2/2018

1. Left hand curved switch point is chipped & worn away 59” back from front of point.
2. 3 broken fastening bolts on plates in switch point area.
3. Curved closure rail has 7/8” side wear.
4. Both frog risers are top worn 2 1/4”.

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: 3098340  
Classification: MTA \ METRO

Asset: 1246244  
Alias: TMW2RA5A

Location: METROMOW  
Work Location:

Status: APPR

Status Date: 10/22/17 07:59:59 AM

Reported By: MTACRON

Reported Date: 09/25/17 04:14:19 AM

On Behalf Of: 

Consist:

Asset Details

Year:

Manufacturer:

Model:

Serial #:

Type: FLEET  
Fleet Assets

Status: OPERATING  
Operating

Costs

Total Planned Cost: 165.78

Total Actual Cost: 0.00

Repair Limit Amount:

Current Asset Value: 0.00

GL Account: J05-####-041

Accepts Charges? ✓

Attachments

Site: N

Failure Class:

Problem Code:

Priority:

Asset/Location Priority:

Is Task?

Parent WO:

Warranty Situation Present: N

Maintenance Alert?

Repair Order?

Has Follow-up Work?

Quick PM?
Switch Inspection Report / Semi-Annual

Mainline 1 2 Yard
Date: 1-11-18 Inspection Crew Backneyer, Chase, Holshin, Nelson

1 Location RA
2 Switch I.D. # 5A
3 Facing Trailing X

Rail Points
4 Point to Point 51
5 Point Condition S Y R
6 Point Throw, nothing less than 4 3/4 inches N R 4 7/8
7 Point Opening N R 5 1/4
8 Fit S Y R
9 General Condition of the Points S Y R

Gage
10 Heel of Switch
  a) Main 56 3/8
  a) Turnout 56 3/8
11 Gage ahead of Bend 56 3/8
  Must not be less than 56 inches or more than 57 inches for "S"
12 Heel Spread in Inches
  a) Turnout 1 9/16
  a) Main 1 9/16

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

Bolts
15 Loose N/A
16 Missing N/A

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

**Line:** 1-11-18  
**Inspection Crew:** Rockmeyer, Chase, Ahearn, Nelson

<table>
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<tr>
<th>Item</th>
<th>Status</th>
<th>Remarks</th>
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<tr>
<td>1 Location</td>
<td>RA</td>
<td></td>
</tr>
<tr>
<td>2 Switch I.D. #</td>
<td>5A</td>
<td></td>
</tr>
<tr>
<td>3 Facing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 Frog Tread</td>
<td>S Y R</td>
<td></td>
</tr>
<tr>
<td>45 Frog #</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>46 Frog Point Condition</td>
<td>S Y R</td>
<td></td>
</tr>
<tr>
<td>47 Condition of Frog</td>
<td>S Y R</td>
<td></td>
</tr>
<tr>
<td>48 Surface of Frog</td>
<td>S Y R</td>
<td></td>
</tr>
<tr>
<td>49 Throat in Inches</td>
<td>3 1/4</td>
<td></td>
</tr>
<tr>
<td>50 Flangeway Depth</td>
<td>2</td>
<td><strong>Flangeway Depth must not be less than 1 1/2&quot;</strong></td>
</tr>
<tr>
<td><strong>Gage</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>51 Main Track</td>
<td>36 9/16</td>
<td></td>
</tr>
<tr>
<td>52 Turnout Track</td>
<td>51 1/2</td>
<td><strong>Gage must not be less than 56&quot; any Class</strong></td>
</tr>
<tr>
<td><strong>Guard Rails</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>53 Guard Rail Gage</td>
<td>N 54 3/8 R</td>
<td><strong>Guard Rail Gage must be less than 54 3/8&quot;</strong></td>
</tr>
<tr>
<td>54 Back to Back</td>
<td>N 53 7/8 R</td>
<td><strong>Back to Back must be less than 53 1/8&quot;</strong></td>
</tr>
<tr>
<td><strong>Guard Rail Clamps</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>56 Main Track</td>
<td>S Y R</td>
<td></td>
</tr>
<tr>
<td>57 Turnout Track</td>
<td>S Y R</td>
<td></td>
</tr>
</tbody>
</table>

**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 Ties**  
58 Condition  
59 Rail Movement  

**Tie Plates**  
60 Lead  
61 Guard Rail Flangeway  
   "Guard Rail Flangeway can not be less 1 1/2"  
62 Guard Rail Plates  
63 Frog Plates  

**Bolts**  
64 Loose  
65 Missing  

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

**71 Hold Down Devices**  
72 Spring Housing  
73 Derails  

**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
Switch RA 5A  WO # 3096340  Date 1-11-18

1. Switch jumping and 1/2 low in frog area.
2. Crosslevel 1/4" out in frog area.

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: 3096332
Classification: MTA \ METRO
Classification Description: MTA - METRO
Asset: 1246586
Alias: TMW1RA7B
Location: METROMOW
Work Location:
Work Type: PM
Status: APPR
Status Date: 10/22/17 07:58:26 AM
Reported By: MTA CRON
Reported Date: 09/25/17 04:14:08 AM
On Behalf Of:
Consist:

Asset Details
Year:
Manufacturer:
Model:
Serial #:
Type: FLEET
Status: OPERATING

Costs
Total Planned Cost: 165.78
Total Actual Cost: 0.00
Repair Limit Amount:
Current Asset Value: 0.00
GL Account: 000-000-0001
Accepts Charges?

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?
Mainline | 1 | 2 | Yard |  
<table>
<thead>
<tr>
<th></th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Date:</td>
<td>1-11-18</td>
<td>Inspection Crew:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| 1 Location | RA |  
| 2 Switch I.D. # | 7B |  
| 3 Facing | Trailing | X |  

| Rail Points |  
| 4 Point to Point | 51/8 |  
| 5 Point Condition | S Y R |  
| 6 Point Throw, nothing less than 4 3/4 inches | N | R | 491 |  
| 7 Point Opening | N | R | 3/8 |  
| 8 Fit | S | Y | R |  
| 9 General Condition of the Points | S | Y | R |  

**Gage**

| 10 Heel of Switch |  
| a) Main | | 56 | 56 |  
| a) Turnout | |  
| 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 | |  
| a) Main | 64 |  

**Stock Rail**

| 13 Bend | S | Y | R |  
| 14 Condition | S | Y | R |  

**Bolts**

| 15 Loose | N/A |  
| 16 Missing | N/A |  

**Rivets (Huck Bolts)**

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

**Remarks on Page 3**

WWEM Mod. 09-15-08

| Switch Inspection Report / Semi-Annual |  
| WO # | 3096332 |  
| 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 |  
| 8 = 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 |  

Page 1 of 3
Frog Inspection Report / Semi-Annual

Mainline | 1 | 2 | Yard | WO # | 3096332
---|---|---|-----|------|--------

Date: 1-11-18
Inspection Crew: Brockmeier, Chase, Albin, Nelson

1 Location RA
2 Switch I.D. # 7B
3 Facing Trailing X
44 Frog Tread 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 3 1/4
50 Flangeway Depth Flangeway Depth must not be less than 1 1/2"

Gage
51 Main Track 56 1/2 S
52 Turnout Track 56 1/2 S

Gage must not be less than 56" any Class

Guard Rails
53 Guard Rail Gage N 54 1/4 R 54 3/8
Guard Rail Gage must be less than 54 3/8"
54 Back to Back N 53 3/8 R 53 1/2

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 1 3/4 R 1 1/2
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 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

75 Condition of Line thru entire turnout S Y R

Remarks on page 3
1. Switch is out of surface in frog area.
2. Crosslevel out the in frog area.
3. Low ballast in entire turnout.
4. One panel clip missing on adjustable brace south 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)

Work Order: 3096322
Classification: MTA \ METRO
Classification Description: MTA - METRO
Asset: 1246634
Alias: TMW2RA9A
Location: METROMOW
Work Location:
Work Type: PM
Status: APPR
Status Date: 10/22/17 07:58:47 AM
Reported By: MTACRON
Phone:
Reported Date: 09/25/17 04:14:04 AM
On Behalf Of:
Consist:

Asset Details
Year:
Manufacturer:
Model:
Serial #:
Type: FLEET
Serial #: Fleet Assets
Status: OPERATING
Operating

Costs
Total Planned Cost: 165.78
Total Actual Cost: 0.00
Repair Limit Amount: 
Current Asset Value: 0.00
GL Account: J05-####-04
Accepts Charges? ✓
| Mainline | 1 | 2 | Yard | | WO # | 3096322 |
|----------|---|---|------|---|------|
| Date:    | 11-18 |
| Location | RA |
| Switch I.D. # | 9A |
| Facing | X | Trailing |
| **Rail Points** | | |
| Point to Point | 50 1/4 |
| Point Condition | S | Y | R |
| Point Throw, **nothing less than 4 3/4 inches** | N | | R | 5 |
| Point Opening | N | | R | 5 9/16 |
| Fit | S | Y | R |
| General Condition of the Points | S | Y | R |
| **Gage** | | |
| Heel of Switch | | |
| Main | 3/32 |
| Turnout | 1 3/8 |
| Gage ahead of Bend | | |
| **not be less than 56 inches or more than 57 inches for "S"** | | |
| Heel Spread in Inches | | |
| Turnout | 36 3/8 |
| Main | 50 1/2 |
| **Stock Rail** | | |
| Bend | S | Y | R |
| Condition | S | Y | R |
| **Bolts** | | |
| Loose | 0 | N/A |
| Missing | 0 | N/A |
| **Rivets (Huck Bolts)** | | |
| Loose | 8 | N/A |
| Missing | 8 | N/A |
| Cotter Pins missing | 8 | N/A |
| Jam Nuts Loose | 8 | N/A |
| Washers | OK | Broken | Missing |
| **Switch Rods** | | |
| Front Rod | S | Y | R | N/A |
| #1 Rod (Basket Rod) | S | Y | R | N/A |
| #2 Rod | S | Y | R | N/A |
| #3 Rod | S | Y | R | N/A |
| #4 Rod | S | Y | R | N/A |
| Closure Rail | S | Y | R | N/A |
| **Surface of Switch** | | |
| Using a 62' cord | | |
| B | Up to 1" Max allowed 8 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 | S | Y | R |
| **Switch Adjustments** | Yes | No |
| Lubrication | OK | Dry |
| Switch Target / Lamps | OK | Missing |
| Latches | OK | Broken | Missing |
| Locks | OK | Broken | Missing |
| General Condition | S | Y | R |
| Insulated Joints | S | Y | R |

**Remarks on Page 3**

*WEM Mod. 09-15-08*
Frog Inspection Report / Semi-Annual

Mainline 1 2 Yard ____________

1 Location RA
2 Switch I.D. # 9A
3 Facing X Trailing
44 Frog Tread N S Y R
R S Y R
45 Frog # O
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 ____________
52 Turnout Track ____________

Gage must not be less than 56" any Class

Guard Rails
53 Guard Rail Gage N 54 3/8

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

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

Remarks on page 3

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 1/2

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 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 60' beyond last long tie

OK *** Différence

75 Condition of Line thru entire turnout S Y R

WO # 3096322

Bryant, Monterey, Chase, Pechin, Nelson
Switch: RA 9A  WO #: 3096322  Date: 1-11-18

2. Frog is out-of-cross level 1/2".
3. Frog normal side riser is battered, and throat is battered and pitted.

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]