Work Order Tracking (Tr)

Work Order: 3010818  METRO MOW SEMI-ANNUAL SWITCH INSPECTION
Classification: MTA \ METRO
Classification Description: MTA - METRO
Asset: 1246507  METRO MOW SWITCH MM1A CHAIN MARK = 439W+35
Alias: TMW2MM1A
Location: METROMOW Maintenance of Ways
Work Location:
Work Type: PM
Status: APPR
Status Date: 10/05/17 01:01:56 PM
Reported By: MTACRON
Phone:
Reported Date: 07/24/17 04:14:17 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-####-04?
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?

http://mtassets/maximo/ui/?event=loadapp&value=plustwo&uisessionid=1451&csrf_token=... 10/5/2017
Switch Inspection Report / Semi-Annual

Date: 10/5/2017
Inspection Crew: J. Bohnstein A. Jefferson A. Periw

Mainline: 1 2 Yard: 

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

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

Gage
10 Heel of Switch
   a) Main: 6 1/4
   b) Turnout: 6 3/8
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: 6 3/8
   a) Main: 6

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: OK Broken: Missing

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
   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
34 Switch Adjustments
35 Lubrication: OK Dry
36 Switch Target / Lamps
37 Latches
38 Locks
39 General Condition: Y R
40 Insulated Joints

Remarks on Page 3

IWEM Mod. 09-15-08
Mainline _______ 1 _______ 2 _______ Yard ____________________________

Date: _______ 10/5/2017 _______ Inspection Crew: ____________

1 Location _______ MM _______ 2 Switch I.D. # _______ 1A _______
3 Facing _______ X _______ Traction _______ 44 Frog Tread _______ N _______ S Y R _______
                        R _______ S Y R _______
45 Frog # _______ X _______
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 Flangeway Depth _______ 2 _______
      Flangeway Depth must not be less than 1 1/2"

Gage _______ 51 Main Track _______ 4 1/2 _______
52 Turnout Track _______ 5 1/2 _______
      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 _______ 52 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 _______ S Y 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 _______ O _______ N/A _______
65 Missing _______ 0 _______ N/A _______

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

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

74 Maximum difference in any 31' in Cross Level on the siding from the Frog Point to 80' beyond last long tie _______

75 Condition of Line thru entire turnout _______ S Y R _______

Remarks on page 3 _______
Switch 1-A

Deteriorating wood ties
Switch out of surface

Frog #8 1-A

Frog point chipped and pitted and wing riser needs welding

Frog wing rail one broken bolt
Frog out of surface

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:
**Work Order Tracking (Tr)**

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**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:** J05-####-04

Accepts Charges? ✅

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http://mtassets/maximo/ui/?event=loadapp&value=plustwo&uisessionid=1451&csrftoken=... 10/5/2017
Switch Inspection Report / Semi-Annual

Date: 10/5/2017
Inspection Crew: [Signature]

Mainline 1 2 Yard

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

Rail Points
4 Point to Point 5 1 3 6
5 Point Condition S Y 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
   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

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 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

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

Mainline 1 2 Yard ______________ WO # 3010822

Date: 10/5/2017 Inspection Crew: ______________

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

44 Frog Tread N S Y R
R S Y R

45 Frog # _____
46 Frog Point Condition S O R

47 Condition of Frog S O R
48 Surface of Frog S Y R

49 Throat in Inches __________ 2.5
50 Flangeway Depth 2 Flangeway Depth must be not less than 1 1/2"

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

Guard Rails
53 Guard Rail Gage N 3 3/8 R 5 3/8

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

54 Back to Back N 3 3/8 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 O R
59 Rail Movement S O 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 C N/A
65 Missing C N/A

Rivets (Huck)
66 Loose C N/A
67 Missing N/A
68 Nuts Missing C N/A
69 Cotter Pins Missing N/A
70 Washers OK Broken C 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
80' beyond last long tie OK

75 Condition of Line thru entire turnout S Y R

Remarks on page 3
Switch 3-B
Wood Ties Deteriorating
Switch Out of Surface

Fros # 8 3-B
Fros Point Top Worn and Battered
Needs Welding
Fros Out of Surface

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:** 3016893
- **Classification:** MTA \ METRO
- **Asset:** 1246900
- **Alias:** TMW2RP3A
- **Location:** METROMOW
- **Work Location:** Maintenance of Ways
- **Work Type:** PM
- **Status:** APPR
- **Status Date:** 10/08/17 09:20:29 AM
- **Reported By:** MTACRON
- **Reported Date:** 07/31/17 04:15:10 AM
- **On Behalf Of:**

**Asset Details**

- **Year:**

**Costs**

- **Total Planned Cost:** 165.78

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http://mtassets/maximo/ui/?event=loadapp&value=plustwo&uisessionid=1785&csrf_token=... 10/8/2017
Mainline: 1  2  Yard:  

Date: 10/8/2017  Inspection Crew: A. Jefferson  C. Chandler  G. Miles

WO #: 3019893

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

Rail Points
4 Point to Point  51/2
5 Point Condition  S Y R
6 Point Throw, nothing less than 4 3/4 inches
   N  4/2  R  1/2
7 Point Opening
   N  5  R  2
8 Fit  S Y R
9 General Condition of the Points  S Y R

Gage
10 Heel of Switch
   a) Main  56/2
   b) Turnout  56/4
11 Gage ahead of Bend  56/8
   Just not be less than 56 inches or more than 57 inches for "S"
12 Heel Spread in Inches
   a) Turnout  6/1
   b) Main  6/2

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

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

Mainline 1 2  Yard

Date: 10/8/2017 Inspection Crew: A. Jefferson C. Chandler B. Miller

WO # 3019893

1 Location RP
2 Switch I.D. # 3A
3 Facing Trailing X
44 Frog Tread N S Y 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 2 4/4
50 Flangeway Depth
Flangeway Depth must not be less than 1 1/2"

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

Guard Rails
53 Guard Rail Gage N 54 5/8 R
Guard Rail Gage must be less than 54 3/8"
54 Back to Back N 52 1 8 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
Guard Rial 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 V N/A
65 Missing N/A

Rivets (Huck)
66 Loose V 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
80' beyond last long tie
OK Difference

75 Condition of Line thru entire turnout S Y R

Remarks on page 3
Switch: RP 3A  WO #: 3019893  Date: 10/8/2017

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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http://mtassets/maximo/ui/?event=loadapp&value=plustwo&uisessionid=1785&csrftoken=...  10/8/2017
Switch Inspection Report / Semi-Annual

Mainline: 1 2 Yard: ________________ WO #: 3019885

Date: 10/8/2017 Inspection Crew: A. Jefferson

1 Location: RP

2 Switch I.D. #: IA

3 Fading: X Trailing

Rail Points

4 Point to Point: 51 3/8

5 Point Condition: (S) Y R

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

7 Point Opening: N 4 / 3 R W/A

8 Fit: (S) Y R

9 General Condition of the Points: (S) Y R

Gage

10 Heel of Switch
   a) Main: 6 / 10
   b) Turnout: 6 / 10

11 Gage ahead of Bend: 6 / 10
   Must not be less than 56 inches or more than 57 inches for "S"

12 Heel Spread in Inches
   a) Turnout: 6 / 10
   b) Main: 6 / 10

Stock Rail

13 Bend: (S) Y R

14 Condition: (S) Y R

Bolts

15 Loose: ✓ N/A

16 Missing: ✓ N/A

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: ✓

Rivets (Huck Bolts)

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

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

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

Date: 10/8/2017
Inspection Crew: JEFFERSON, C. CHANDLER, G. MILES

WO # 3019885

Mainline 1 2 Yard

1 Location RP
2 Switch I.D. # 1A
3 Facing X Trailing
44 Frog Tread N S Y R
R S Y R
45 Frog # 8
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 1 1/4
50 Flangeway Depth 2
Flangeway Depth must not be less than 1 1/2"

Gage
51 Main Track 56 5/8
52 Turnout Track
R
Gage must not be less than 56" any Class

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

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 Difference

75 Condition of Line thru entire turnout S Y R

Remarks on page 3
<table>
<thead>
<tr>
<th>Switch</th>
<th>RP 1A</th>
<th>WO #</th>
<th>3019885</th>
<th>Date</th>
<th>10/8/2017</th>
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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>
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**Asset Details**

**Costs**

- Total Planned Cost: 165.78

---

http://mtassets/maximo/ui/?event=loadapp&value=plustwouisessionid=1785&csrftoken=...  10/8/2017
<table>
<thead>
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<th>Mainline</th>
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<th>Yard</th>
<th>Inspection Crew</th>
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<tbody>
<tr>
<td>Date:</td>
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<td></td>
<td>A. Jefferson A. Perkins J. Brockmeyer</td>
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**Switch Inspection Report / Semi-Annual**

**WO #** 3019889

<p>| | | | | |</p>
<table>
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<tr>
<th></th>
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<tbody>
<tr>
<td>1 Location</td>
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<tr>
<td>2 Switch I.D. #</td>
<td></td>
<td>1B</td>
<td></td>
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</tr>
<tr>
<td>3 Facing</td>
<td></td>
<td>X</td>
<td>Trailing</td>
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**Rail Points**

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<th></th>
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<td>4 Point to Point</td>
<td>51 3/8</td>
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<tr>
<td>5 Point Condition</td>
<td></td>
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<tr>
<td>6 Point Throw, nothing less than 4 3/4 inches</td>
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<td></td>
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<tr>
<td>7 Point Opening</td>
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<td></td>
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<td>N/A</td>
</tr>
<tr>
<td>8 Fit</td>
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<tr>
<td>9 General Condition of the Points</td>
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<tr>
<td>10 Heel of Switch</td>
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</tr>
<tr>
<td>a) Main</td>
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<td>56/34</td>
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<td>a) Turnout</td>
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<td>11 Gage ahead of Bend</td>
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<td>12 Heel Spread in Inches</td>
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<tr>
<td>a) Turnout</td>
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<td>6 3/8</td>
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<tr>
<td>a) Main</td>
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<td>6 1/2</td>
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**Stock Rail**

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<th></th>
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<tr>
<td>13 Bend</td>
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<tr>
<td>14 Condition</td>
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**Bolts**

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

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<tr>
<td>17 Loose</td>
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<tr>
<td>18 Missing</td>
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<td></td>
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</tr>
<tr>
<td>19 Cotter Pins missing</td>
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<td></td>
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<tr>
<td>20 Jam Nuts Loose</td>
<td></td>
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<tr>
<td>21 Washers</td>
<td>OK</td>
<td>Broken</td>
<td>Missing</td>
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**Remarks on Page 3**

/JWEM Mod. 09-15-08
<table>
<thead>
<tr>
<th>Mainline</th>
<th>1</th>
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<th>Yard</th>
<th>Inspection Crew: A. JEFFERSON, A. PERKINS, J. BROCKMEYER</th>
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<tbody>
<tr>
<td>Date:</td>
<td>10/8/2017</td>
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</table>

1 Location — RP
2 Switch I.D. # — 1B
3 Facing — X
44 Frog Tread — N: SYR, R: SYR
45 Frog # — S
46 Frog Point Condition — SYR
47 Condition of Frog — SYR
48 Surface of Frog — SYR
49 Throat in Inches — 4 1/4
50 Flangeway Depth — 2

**Flangeway Depth must not be less than 1 1/2”**

**Gage**
51 Main Track — 56 5/8
52 Turnout Track —

**Gage must not be less than 56” any Class**

**Guard Rails**
53 Guard Rail Gage — N: 54 3/4, R: N/A

**Guard Rail Gage must be less than 54 3/8”**

54 Back to Back — N: 52 7/8, R: N/A

**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
61 Guard Rail Flangeway — SYR N: 1 7/8, 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 — ✓ 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**
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 60’ beyond last long tie

OK Difference —

75 Condition of Line thru entire turnout — SYR

Remarks on page 3
Switch  RP 1B  WO # 3019889  Date 10/8/2017

Switch 1-3

Frog #8 1-3

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]
Work Order Tracking (Tr)

Work Order: 3019997  METRO MOW SEMI-ANNUAL SWITCH INSPECTION
Classification: MTA\METRO
Classification Description: MTA - METRO
Asset: 1248716  METRO MOW SWITCH RP3B CHAIN MARK = 389W+35
Alias: TMW1RP3B
Location: METROMOW  Maintenance of Ways
Work Location:
Work Type: PM
Status: APPR
Status Date: 10/08/17 06:48:05 AM
Reported By: MTACRON
Phone:
Reported Date: 07/31/17 04:15:12 AM
On Behalf Of:
Consist:

Asset Details

Costs

Total Planned Cost: 165.78

http://mtassets/maximo/ui/?event=loadapp&value=plustwo&uisessionid=1785&csrftoken=... 10/8/2017
Switch Inspection Report / Semi-Annual

Date: 10/8/2017

Mainline 1  2  Yard _______________  

Inspection Crew A. Jefferson  A. Perkins  J. Brockmeyer

WO # 3019897

1 Location  RP
2 Switch I.D. #  3B
3 Facing  Trail/Trailing

Rail Points
4 Point to Point  51/2
5 Point Condition  S Y R
6 Point Throw, nothing less than 4 3/4 inches  N 4 5/8 R N/A
7 Point Opening  N 5 R N/A

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

Gage
10 Heel of Switch  
a) Main  56 5/8
a) Turnout  56 1/2
11 Gage ahead of Bend  56 5/8
12 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  6 3/8
a) Main  6 1/2

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

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

Rivets (Huck Bolts)
17 Loose  V N/A
18 Missing  V N/A
19 Cotter Pins missing  V N/A
20 Jam Nuts Loose  V 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
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

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

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

**Date:** 10/8/2017  
**Inspection Crew:** A. Jefferson A. Perkins J. Brockmeier

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<td>2 Switch I.D.</td>
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<td>3B</td>
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<td>3 Facing</td>
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<td>Trailing X</td>
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<td>44 Frog Tread</td>
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<td>N SY R R SY R</td>
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<td>45 Frog #</td>
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<tr>
<td>46 Frog Point Condition</td>
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<td>SY R</td>
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<tr>
<td>47 Condition of Frog</td>
<td></td>
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<td>48 Surface of Frog</td>
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<td>49 Throat in Inches</td>
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<td>2 1/2</td>
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<td>50 Flangeway Depth</td>
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<td>51 Main Track Gage</td>
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<td>56 3/4</td>
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<td>52 Turnout Track Gage</td>
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<td>Gage must not be less than 56&quot; any Class</td>
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<tr>
<td>53 Guard Rail Gage</td>
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<td>N 54 7/8 R N/A</td>
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<tr>
<td>54 Back to Back</td>
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<td>N 52 7/8 R</td>
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<td>55 Location of Guard Rail (Relation to Point)</td>
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<td>56 Main Track Guard Rail Clamps</td>
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<td>SY R</td>
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<tr>
<td>57 Turnout Track</td>
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<td>SY R</td>
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**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: SY R
- 59 Rail Movement: SY R

**Tie Plates**
- 60 Lead: SY R
- 61 Guard Rail Flangeway: SY R N 1 7/8 R N/A
  - Guard Rail Flangeway can not be less than 1 1/2"

**Bolts**
- 62 Guard Rail Plates: SY R
- 63 Frog Plates: SY R

**Rivets (Huck)**
- 64 Loose: ✔ N/A
- 65 Missing: ✔ N/A
- 66 Loose: ✔ N/A
- 67 Missing: ✔ N/A
- 68 Nuts Missing: ✔ N/A
- 69 Cotter Pins Missing: ✔ N/A
- 70 Washers OK: Broken Missing

**74 Maximum difference in any 31' in Cross Level on the siding from the Frog Point to 60' beyond last long tie**

**75 Condition of Line thru entire turnout**
- SY R
Switch 3-B

Frog #8 3-B

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:
**Work Order Tracking (Tr)**

**Work Order**: 3078403  
**Classification**: MTA \ METRO

Classification Description: MTA - METRO

**Asset**: 1246993  
**Alias**: TMW2RA3A

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

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

**Status Date**: 10/15/17 12:00:08 PM

**Reported By**: MTACRON

**Reported Date**: 09/11/17 04:13:32 AM

**On Behalf Of**:  
**Consist**:  

**Costs**

- **Total Planned Cost**: 165.78

---

**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?**:  

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Switch Inspection Report / Semi-Annual

Date: 10-16-17
Inspection Crew: A. JEFFERSON, A. PERKINS, J. BROCKEYER

Mainline 1 2 Yard

WO # 3078403

1 Location: RA
2 Switch I.D. #: 3A
3 Facing: Trail
4 Point to Point: 51 3/4
5 Point Condition: Y
6 Point Throw, nothing less than 4 3/4 inches: N
7 Point Opening: N
8 Fit: Y
9 General Condition of the Points: Y

Rail Points

10 Heel of Switch
a) Main 56 3/8
b) Turnout 56 3/8
11 Gauge ahead of Bend: 56 3/8
Gage

12 Heel Spread in Inches
a) Turnout 6/4
b) Main 6/4

Stock Rail

13 Bend: Y R
14 Condition: Y R

Bolts

15 Loose: V N/A
16 Missing: V N/A

Rivets (Huck Bolts)

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

Switch Rods

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

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

TWEM Mod. 09-15-08
Mainline: 1  2  2  Yard:  

Date: 10-16-19  Inspection Crew: JEFFERSON A. PERKINS J. BROCKEY

1 Location  RA
2 Switch I.D. #  3A
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  2 3/8

50 Flangeeway Depth  
Flangeeway 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 3/4  R  54 3/4

Guard Rail Gage must be less than 54 3/8"
54 Back to Back  N  52 3/4  R  52 3/4

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  1/16  R  1 7/16

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

Hold Down Devices

71 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
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>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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<td></td>
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**Classification:** MTA \ METRO

**Classification Description:** MTA - METRO

**Asset:** 1247286

**Alias:** TMW2RA1A

**Location:** METROMOW

**Work Location:**

**Work Type:** PM

**Status:** APPR

**Status Date:** 10/15/17 12:01:26 PM

**Reported By:** MTACRON

**Phone:**

**Reported Date:** 09/11/17 04:13:43 AM

**On Behalf Of:**

**Consist:**

**Asset Details**

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

| Total Planned Cost: | 165.78 |

---

http://mtassets/maximo/ui/?event=loadapp&value=plustwo&uisessionid=2649&csrftoken... 10/15/2017
**Switch Inspection Report / Semi-Annual**

**Mainline** 1 2  
**Yard** ____________

**Date:** 10-14-17  
**Inspection Crew**

<table>
<thead>
<tr>
<th>1 Location</th>
<th>RA</th>
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<tbody>
<tr>
<td>2 Switch I.D. #</td>
<td>1A</td>
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</tbody>
</table>
| 3 Facing | X  
Trailing |

**Rail Points**

<table>
<thead>
<tr>
<th>4 Point to Point</th>
<th>S1 3/16</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 Point Condition</td>
<td>S Y R</td>
</tr>
</tbody>
</table>

| 6 Point Throw, nothing less than 4 3/4 inches |
| N | 4 3/12 | R |

| 7 Point Opening |
| N | 4 3/18 | R |

| 8 Fit |
| S Y R |

| 9 General Condition of the Points |
| S Y R |

**Gage**

10 Heel of Switch

<table>
<thead>
<tr>
<th>a) Main</th>
<th>5 3/4</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) Turnout</td>
<td>5 6/12</td>
</tr>
</tbody>
</table>

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 | 6 3/16 |
| a) Main | 6 3/4 |

**Stock Rail**

13 Bend

<table>
<thead>
<tr>
<th>S Y R</th>
</tr>
</thead>
</table>

| 14 Condition |
| S Y R |

**Bolts**

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

**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

<table>
<thead>
<tr>
<th>S Y R</th>
<th>N/A</th>
</tr>
</thead>
</table>

| 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
<table>
<thead>
<tr>
<th>Item</th>
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<td>Switch I.D.</td>
<td>1A</td>
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<tr>
<td>Facing</td>
<td>X Trailing</td>
</tr>
<tr>
<td>Frog Tread</td>
<td>N SY R</td>
</tr>
<tr>
<td></td>
<td>R SY R</td>
</tr>
<tr>
<td>Frog #</td>
<td>45</td>
</tr>
<tr>
<td>Frog Point Condition</td>
<td>SY R</td>
</tr>
<tr>
<td>Condition of Frog</td>
<td>SY R</td>
</tr>
<tr>
<td>Surface of Frog</td>
<td>SY R</td>
</tr>
<tr>
<td>Throat in Inches</td>
<td>2 1/2</td>
</tr>
<tr>
<td>Flangeway Depth</td>
<td>2 1/2</td>
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<tr>
<td>Flangeway Depth must not be less than 1 1/2&quot;</td>
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<tr>
<td>Gage</td>
<td>51 Main Track 56 3/4</td>
</tr>
<tr>
<td>Turnout Track</td>
<td>56 1/2</td>
</tr>
<tr>
<td>Gage must not be less than 56&quot; any Class</td>
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<tr>
<td>Guard Rails</td>
<td>53 Guard Rail Gage N 54 3/4 R 54 3/4</td>
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<tr>
<td>Guard Rail Gage must be less than 54 3/8&quot;</td>
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<tr>
<td>Back to Back</td>
<td>N 52 3/4 R 52 3/4</td>
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<tr>
<td>Back to Back must be less than 53 1/8&quot;</td>
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<tr>
<td>54 Condition</td>
<td>SY R</td>
</tr>
<tr>
<td>Location of Guard Rail (Relation to Point)</td>
<td>SY R</td>
</tr>
<tr>
<td>Guard Rail Clamps</td>
<td></td>
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<tr>
<td>Main Track</td>
<td>SY R</td>
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<tr>
<td>Turnout Track</td>
<td>SY R</td>
</tr>
<tr>
<td>Turnout Ties</td>
<td>58 Condition SY R</td>
</tr>
<tr>
<td>59 Rail Movement SY R</td>
<td></td>
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<tr>
<td>Tie Plates</td>
<td>60 Lead SY R</td>
</tr>
<tr>
<td>61 Guard Rail Flangeway SY R N 1/3</td>
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<tr>
<td>Guard Rail Flangeway can not be less 1 1/2&quot;</td>
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<tr>
<td>Guard Rail Flangeway</td>
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<td>62 Guard Rail Plates SY R</td>
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<td>Frog Plates</td>
<td>SY R</td>
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<tr>
<td>Bolts</td>
<td>64 Loose</td>
</tr>
<tr>
<td>65 Missing</td>
<td>N/A</td>
</tr>
<tr>
<td>Rivets (Huck)</td>
<td></td>
</tr>
<tr>
<td>66 Loose</td>
<td>N/A</td>
</tr>
<tr>
<td>67 Missing</td>
<td>N/A</td>
</tr>
<tr>
<td>68 Nuts Missing</td>
<td>N/A</td>
</tr>
<tr>
<td>69 Cotter Plns Missing</td>
<td>N/A</td>
</tr>
<tr>
<td>70 Washers</td>
<td>OK Broken Missing</td>
</tr>
<tr>
<td>Hold Down Devices</td>
<td>SY R N/A</td>
</tr>
<tr>
<td>Spring Housing</td>
<td>SY R N/A</td>
</tr>
<tr>
<td>Derails</td>
<td>SY R N/A</td>
</tr>
<tr>
<td>Maximum difference in any 31' in Cross Level on the siding from the Frog Point to 50' beyond last long tie</td>
<td>OK Difference</td>
</tr>
<tr>
<td>74 Maximum difference in any 31' in Cross Level on the siding from the Frog Point to 50' beyond last long tie</td>
<td></td>
</tr>
<tr>
<td>75 Condition of Line thru entire turnout SY R</td>
<td></td>
</tr>
</tbody>
</table>

**Remarks on page 3**
Switch RA 1A

Switch 1-A

Frog #8 1-14

Frog Point needs Grinding

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]

Page 3 of 3
### Work Order Tracking (Tr)

**Work Order: 3078399**

**Classification:** MTA \ Mترو

**Classification Description:** MTA - Mترو

**Asset:** 1247109

**Alias:** TMW1RA3B

**Location:** METROMOW

**Work Location:** Maintenance of Ways

**Work Type:** PM

**Status:** APPR

**Status Date:** 10/15/17 11:59:04 AM

**Reported By:** MTACRON

**Phone:**

**Reported Date:** 09/11/17 04:13:29 AM

**On Behalf Of:**

**Consist:**

### Asset Details

**Year:**

### Costs

**Total Planned Cost:** 165.78

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http://mtassets/maximo/ui/?event=loadapp&value=plustwo&uisessionid=2649&csrftoken... 10/15/2017
Switch Inspection Report / Semi-Annual

Date: 10/17/17


WO #: 3078399

Mainline: 1
2 Yard

1 Location: RA
2 Switch I.D. #: 3B
3 Facing: Trailing

Rail Points
4 Point to Point: 57 1/8
5 Point Condition:
   S Y R
6 Point Throw, nothing less than 4 3/4 inches:
   N 4 3/4 R X
7 Point Opening:
   N 5 R N/A
8 Fit:
   S Y R
9 General Condition of the Points:
   S Y R

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

Gage Spread in Inches:
   a) Turnout 63 1/8
   a) Main 63 1/4

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
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

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

Mainline
Date: 10/17/17

Yard

WO # 3078399

inspection Crew: A. Jefferson, A. Perkins, J. Doackmer

1 Location RA
2 Switch I.D. # 3B
3 Facing Trailing X
44 Frog Tread N SY R

45 Frog #
46 Frog Point Condition SY R
47 Condition of Frog SY R
48 Surface of Frog SY R

49 Throat in Inches 2 3/4
50 Flangeway Depth 2 3/4

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

Gage
51 Main Track 56 5/8
52 Turnout Track 56 1/2

Gage must not be less than 56" any Class

Guard Rails
53 Guard Rail Gage N 54 3/4

54 Back to Back N 52 3/4

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

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

Guard Rail Clamps
56 Main Track SY R
57 Turnout Track SY 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 SY R
59 Rail Movement SY R

Tie Plates
60 Lead SY R
61 Guard Rail Flangeway

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

62 Guard Rail Plates SY R
63 Frog Plates SY R

Bolts
64 Loose 1 N/A
65 Missing N/A

Rivets (Huck)
66 Loose 1 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 SY R N/A
72 Spring Housing SY R N/A
73 Derails SY 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 Difference

75 Condition of Line thru entire turnout SY R

Remarks on page 3
Switch  RA 3B  

WO #  3078399  

Date  10/17/17

Switch 3-3

Frog 8 3-3

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]
Work Order Tracking

Work Order: 3002437  
Classification: MTA \ METRO

Classification Description: MTA - METRO

Asset: 1243447  
Alias: OM3A

Location: METROMOW  
Work Location: Maintenance of Ways

Work Type: PM  
Status: APPR

Status Date: 07/22/17 09:31:18 AM
Reported By: MTACRON

Phone:
Reported Date: 07/17/17 04:13:08 AM
On Behalf Of:
Consist:

Asset Details

Costs

Total Planned Cost: 1€
Switch Inspection Report / Semi-Annual

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<th>Yard</th>
<th>WO #</th>
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</thead>
<tbody>
<tr>
<td>10-19-17</td>
<td></td>
<td>3002437</td>
</tr>
</tbody>
</table>

Inspection Crew: Perkins, Braatz, Meyer, Alchin, Nelson

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

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

Gage
10 Heel of Switch:
   a) Main: 5-1/8
   b) Turnout: 5-1/2
11 Gage ahead of Bend: 5-1/8
   Note: not be less than 56 inches or
   more than 57 inches for "S"
12 Heel Spread in Inches
   a) Turnout: 6-1/2
   a) Main: 6-3/8

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: 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: 0
38 Locks:
   OK Broken: Missing: 0
39 General Condition: S Y R
40 Insulated Joints: S Y R

Remarks on Page 3
WEM Mod. 09-15-08
Frog Inspection Report / Semi-Annual

Mainline 1 2 Yard ____________ WO # 3002437

Due: 10-19-17 Inspection Crew: Perkins, Brockmeyer, Akhian, Nelson

1 Location OM
2 Switch I.D. # 3A
3 Facing X Trailing
44 Frog Tread N SR R
45 Frog # 45
46 Frog Point Condition SR
47 Condition of Frog SY R
48 Surface of Frog SY R

49 Throat in Inches 73/4
50 Flangeway Depth 21/8

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 7/8 R 54 3/4

Guard Rail Gage must be less than 54 3/8"
54 Back to Back N 54 3/4 R 52 3/4

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

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

Guard Rail Clamps
56 Main Track SY R
57 Turnout Track SY 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 SY R
59 Rail Movement SY R

Tie Plates
60 Lead SY R
61 Guard Rail Flangeway SY R N 1/2 R

Guard Rail Flangeway can not be less 1 1/2"
62 Guard Rail Plates SY R
63 Frog Plates SY 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 SY R N/A
72 Spring Housing SY R N/A
73 Derails SY 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 1/4

75 Condition of Line thru entire turnout SY R
Frog point battered 6½" back from the point
Frog riser worn ¾"
# Switch Inspection Report / Semi-Annual

<table>
<thead>
<tr>
<th>Mainline</th>
<th>1</th>
<th>2</th>
<th>Yard</th>
<th>WO #</th>
<th>3002429</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date</td>
<td>10-19-17</td>
<td>Inspection Crew</td>
<td>Nelson</td>
<td></td>
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</tr>
</tbody>
</table>

## Rail Points

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

## Gage

10 Heel of Switch
   a) Main: S Y R
   b) Turnout: S Y R
11 Gage ahead of Bend: must not be less than 56 inches or more than 57 inches for "S"

## 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

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

## Stock Rail Condition

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 N/A
38 Locks: OK Broken N/A
39 General Condition: S Y R
40 Insulated Joints: S Y R

Remarks on Page 3

VEM Mod. 09-15-08
<table>
<thead>
<tr>
<th>Mainline</th>
<th>1</th>
<th>2</th>
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<th>WO #</th>
<th>3002429</th>
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<tbody>
<tr>
<td>Date:</td>
<td>10-19-17</td>
<td>Inspection Crew: Perkins, Craig, Kring, Alvin, Nelson</td>
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1 Location  OM  
2 Switch I.D. #  IA  
3 Facing  Trailing  X  
44 Frog Tread  SYR  SYR  
45 Frog #  15  
46 Frog Point Condition  SYR  
47 Condition of Frog  SYR  
48 Surface of Frog  SYR  
49 Throat in Inches  2.34  
50 Flangeway Depth  
   Flangeway Depth must not be less than 1 1/2"  

**Gage**
51 Main Track  54.1/8"  
52 Turnout Track  46.3/4"  
   Gage must not be less than 56" any Class  

**Guard Rails**
53 Guard Rail Gage  54.1/8"  54.1/8"  
   Guard Rail Gage must be less than 54 3/8"  
54 Back to Back  52.9/16"  52.9/16"  
   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  

**Turnout Ties**
58 Condition  SYR  
59 Rail Movement  SYR  

**Tie Plates**
60 Lead  SYR  
61 Guard Rail Flangeway  SYR  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  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  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  1/4"  

75 Condition of Line thru entire turnout  SYR  

**Remarks on page 3**
1. One bolt missing in Standard Jointon RH CU Stock rail
2. Frog point Top worn

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:** 3002445  
**Classification:** MTA | METRO  
**Classification Description:** MTA - METRO  
**Asset:** 1243448  
**Alias:** OM3B  
**Location:** METROMOW  
**Work Location:**  
**Work Type:** PM  
**Status:** APPR  
**Status Date:** 07/22/17 09:31:08 AM  
**Reported By:** MTACRON  
**Phone:**  
**Reported Date:** 07/17/17 04:13:19 AM  
**On Behalf Of:**  
**Consist:**  

### Asset Details

**Year:**

### Costs

| Total Planned Cost: | $1 |

---

7/22/2017
Switch Inspection Report / Semi-Annual

Mainline: 1
Yard: 
Inspection Crew: Robbins, Brooks, Meyer, Charlton, Nelson
WO #: 3002445

- Location: OM
- Switch I.D. #: 3B
- Facing: X Trailing

**Rail Points**
- Point to Point: 52'/8
- Point Condition: S Y R
- Point Throw: nothing less than 4 3/4 inches N 4 3/4 R 4 3/4
- Point Opening: N 4 3/16 R 4 1/4
- Fit: S Y R
- General Condition of the Points: S Y R

**Gage**
- Heel of Switch:
  - Main: 36 1/4
  - Turnout: 50 1/4
- Gage ahead of Bend: 50 1/4
- Must not be less than 56 inches or more than 57 inches for "S"
- Heel Spread in Inches:
  - Turnout: 6 1/4
  - Main: 6 1/4

**Stock Rail**
- Bend: S Y R
- Condition: S Y R

**Bolts**
- Loose: 0 N/A
- Missing: 0 N/A

**Rivets (Huck Bolts)**
- Loose: 0 N/A
- Missing: 0 N/A
- Cotter Pins missing: 0 N/A
- Jam Nuts Loose: 0 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
  - 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**
- S Y R

**Switch Adjustments**
- Yes: No

**Lubrication**
- OK: Dry

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

**Latches**
- OK: Broken: Missing

**Locks**
- OK: Broken: Missing

**General Condition**
- S Y R

**Insulated Joints**
- S Y R

**Remarks on Page 3**

VEM Mod. 09-15-08
<table>
<thead>
<tr>
<th>Mainline</th>
<th>1</th>
<th>2</th>
<th>Yard</th>
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<tr>
<td>Date:</td>
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<td>Inspection Crew:</td>
<td>C.R. VanKrege, Albin, Nelson</td>
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1. Location: OM
2. Switch I.D. #: 3B
3. Facing: X Trailing
4. Frog Tread: N 3 Y R
5. Frog #: 15
6. Frog Point Condition: S Y R
7. Condition of Frog: S Y R
8. Surface of Frog: S Y R
9. Throat in Inches: 2 1/8
10. Flangeway Depth: S Y R

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

**Gage**
11. Main Track: 51 1/8
12. Turnout Track: 51 1/8

**Gage must not be less than 56" any Class**

**Guard Rails**
13. Guard Rail Gage: N 3 1/4 R 3 1/4
14. Back to Back: N 3 1/4 R 3 1/4

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

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

**Guard Rail Clamps**
15. Main Track: S Y R
16. 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 1/4 R
**Guard Rail Flangeway cannot 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:

OK Difference

75. Condition of Line thru entire turnout: S Y R

Remarks on page 3
1. Normal frog riser is too worn, needs welding
2. Frog point is battered, needs welding ASAP.
   showing metal flow

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]
Switch Inspection Report / Semi-Annual

10-19-12

Inspection Crew: [Signature]

Mainline  1  2  Yard  WO #  3002433

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

Rail Points
4 Point to Point  51 1/2
5 Point Condition  S  Y  R
6 Point Throw, nothing less than 4 3/4 inches  N  4 3/4  R  4 3/4
7 Point Opening  N  5 1/2  R  5 1/2
8 Fit  R  S  Y
9 General Condition of the Points  S  Y  R

Gage
10 Heel of Switch
   a) Main  36 1/2
   a) Turnout  36 1/2
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  6 1/2
   a) Main  6 1/2

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  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

WEM Mod. 09-15-08
<table>
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<td>44 Frog Tread</td>
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<td>50</td>
<td>Flangeway Depth</td>
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**Gage**
- 51 Main Track | 50 1/8 |
- 52 Turnout Track | Gage must not be less than 56" any Class

**Guard Rails**
- 53 Guard Rail Gage | N 54 5/8 R 58 3/16 |
- Guard Rail Gage must be less than 54 3/8" |
- 54 Back to Back | N 54 5/8 R 58 3/16 |
- Back to Back must be less than 53 1/8" |

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**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 |
- 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 OK Broken |

**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 |

Remarks on page 3
1. Frog riser top worn and pitted
2. Frog point chipped and pitted.
3. Switch point minimal side 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)**

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**Asset Details**

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**Costs**

| Total Planned Cost: 165.78 |

**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?: |

---

http://mtassets/maximo/ui/?event=loadapp&value=plustwo&uisessionid=2649&csrtoken... 10/15/2017
Switch Inspection Report / Semi-Annual

Mainline ______ 1 ______ 2 ______ Yard ___________

1 Location ______ BH ______
2 Switch I.D. # ______ 38 ______
3 Facing _______ 4 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 ______ 4 1/8 ______
7 Point Opening _______ N ______ R ______ 4 3/4 ______

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

Gage
10 Heel of Switch ______ 30 1/4 ______
   a) Main ______ 30 1/4 ______
   a) Turnout ______ 30 1/4 ______
11 Gage ahead of Bend ______ 30 1/4 ______
   Must not be less than 56 inches or more than 57 inches for "S" ______
   12 Heel Spread in Inches ______ Turnout ______ 0 1/4 ______
   a) Main ______ 0 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 ______ Missing ______

WO # ______ 3050139 ______
Inspection Crew ______ Jefferson, Alvin, 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

JBW/AWEM Mod. 09-15-08 ______
Frog Inspection Report / Semi-Annual

Mainline: 1  2  Yard:  

Inspection Crew: Jefferson, Albin, Nelson

WO #: 3050139

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

44 Frog Tread: N  S  Y  R  

46 Frog #:  
48 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 1/8  
50 Flangeway Depth:  

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

Gage:  
51 Main Track: 56 1/8  
52 Turnout Track: 56 1/4  

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  53 3/8  R  52 1/4  
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 3/4  
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: 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  
80' beyond last long tie:  
OK: Difference  

75 Condition of Line thru entire turnout: S  Y  R  

Remarks on page 3
Switch: BH 3B  
WO #: 3050139  
Date: 10-20-17

Remarks:

1. Normal frog riser is too worn.
2. 13 pino wedges are loose or missing.

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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### Asset Details

- **Year:**

### Costs

- **Total Planned Cost:** 165.78

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http://mtassets/maximo/ui/?event=loadapp&value=plustwo&uisessionid=2649&csrf... 10/15/2017
Mainline: 1

Yard:

WO #: 3050127

Date: 10-20-17

Inspection Crew: Jefferson, Bob, Nelson

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

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

Gage
10 Heel of Switch
  a) Main 56 3/4
  a) Turnout 56 3/4
11 Gage ahead of Bend 54 5/8

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

12 Heel Spread in Inches
  a) Main 16 1/8
  a) Turnout 16 1/8

Stock Rail
13 Bend Y R
14 Condition 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

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

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

Mainline 1 2 Yard  
Inspection Crew Jotter, Albin, Nelson

1 Location BH
2 Switch I.D. # 16
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 3 3/8
50 Flangeway Depth 2
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 52 7/16 R 52 7/16
Back to Back must be less than 53 3/8"
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
SYR
59 Rail Movement
SYR

Tie Plates
60 Lead SYR
61 Guard Rail Flangeway SYR N 1 3/4 R 1 3/8
Guard Rail Flangeway cannot 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 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 Difference 1/8

75 Condition of Line thru entire turnout SYR
Switch: BH 18
WO #: 3050127
Date: 10-20-17

1. Normal stop riser is top worn.
2. 17 Hiven wedges are loose or missing.

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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http://mtassets/maximo/ui/?event=loadapp&value=plustwo&uisessionid=2649&csrftoken... 10/15/2017
Mainline 1 Yard ____________

1 Location ________ BH
2 Switch I.D. # _________ 3A
3 Facing ___________ Trailing ________ X

Rail Points
4 Point to Point ________ 5'/14
5 Point Condition
Y R
6 Point Throw, nothing less than 4 3/4 inches
N ________ R ________ 4 1/4
7 Point Opening
N ________ R ________ 5
8 Fit
Y R
9 General Condition of the Points
Y R

Gage
10 Heel of Switch
a) Main ________ 5/8
b) Turnout ________ 5/8
11 Gage ahead of Bend
Must not be less than 56 inches or more than 57 inches for "S"

" Heel Spread in Inches
Turnout ________

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

Inspection Crew: Jefferson, Alphon, Nelson

1 Location  BH
2 Switch I.D. #  3A
3 Facing  Trailing  X
44 Frog Tread  N  S  R  R  Y  R
45 Frog #  E
46 Frog Point Condition  Y  R
47 Condition of Frog  Y  R
48 Surface of Frog  Y  R
49 Throat in Inches  3 9/16
50 Flangeway Depth  Flangeway Depth must not be less than 1 1/2"

Gage
51 Main Track  56 3/16
52 Turnout Track  56 3/16
Gage must not be less than 56" any Class

Guard Rails
53 Guard Rail Gage  N  49 1/2" R  54 3/4
Guard Rail Gage must be less than 54 3/8"
54 Back to Back  N  52 1/16" R  52 3/4
Back to Back must be less than 53 1/8"
54 Condition  Y  R
55 Location of Guard Rail (Relation to Point)  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  Y  R

Tie Plates
60 Lead  S  Y  R
61 Guard Rail Flangeway  S  Y  R  N  1 1/16" R  1 1/8"
Guard Rail Flangeway can not be less 1 1/2"
62 Guard Rail Plates  Y  R
63 Frog Plates  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
73 Derails  S  Y  R

74 Maximum difference in any 31' in Cross Level on the siding from the Frog Point to
60' beyond last long tie  1/8"
OK  Difference  1/8"

75 Condition of Line thru entire turnout  S  Y  R
1. Normal flag riser is too worn.
2. 22 Hixon wedges are loose or missing.
3. Two machine timbers are deteriorated under switch machine.

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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**Costs**

- Total Planned Cost: 165.78

**Asset Details**

- Year: 

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[Image: BMXAA45671 - Status change]

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  - 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
a: 10-30-17
Inspection Crew: Jefferson, Alick, Nelson

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

Gage
10 Heel of Switch
a) Main 1 6 7/8
b) Turnout 5 6 1/8
11 Gage ahead of Bend 5 6 1/2
Must not be less than 56 inches or more than 57 inches for "S"
12 Heel Spread in Inches
a) Turnout 6 7/8
b) Main 6 7/8

Stock Rail
13 Bend S Y R
14 Condition S 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
19 Cotter Pins missing O N/A
20 Jam Nuts Loose O N/A
21 Washers OK Broken O Missing O

Remarks on Page 3
JBW/WEM Mod. 09-15-08

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
Frog Inspection Report / Semi-Annual

Mainline 1 2 Yard

1 Location BH
2 Switch I.D. # IA
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 3 3/8
50 Flangeway Depth
Flangeway Depth must not be less than 1 1/2"

Gage
51 Main Track 56 5/6
52 Turnout Track 56 5/6
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 54 3/8 R 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

Remarks on page 3
Switch B6 1A  WO # 3050135  Date 10-20-17

1. Right hand curved switch has minimal side wear.

2. Normal frog rail is too worn.

3. 23 Hixon wedges are loose or missing.

4. Frog point is slightly battered.

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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| Total Planned Cost: | 165.78 |

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Switch Inspection Report / Semi-Annual

Mainline: 1 2 Yard ________________

Date: 10/17/17  Inspection Crew: A. Jefferson A. Perkins J. Brockmeyer

WO # 3078415

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

Rail Points
4 Point to Point 5' 1/2
5 Point Condition S Y R
6 Point Throw, nothing less than 4 3/4 inches N ______________ R ___________ N/A
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 56 3/8
a) Turnout 56 3/8

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 6
a) Main 6 3/4

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

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

Rivets (Huck Bolts)
17 Loose V N/A
18 Missing V N/A
19 Cotter Pins missing V N/A
20 Jam Nuts Loose V N/A
21 Washers, OK Broken V 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 V Missing ___
38 Locks OK Broken V Missing ___
39 General Condition S Y R
40 Insulated Joints S Y R

Remarks on Page 3

NWEM Mod. 09-15-08
### Frog Inspection Report / Semi-Annual

**Date:** 10/17/19  
**Inspection Crew:** A. Jefferson, A. Perkins, J. Brokmeier  
**WO #** 3078415

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

**Gage**
- 51 Main Track 56 3/8
- 52 Turnout Track 56 1/2  
  *Gage must not be less than 56" any Class*

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

**Bolts**
- 54 Loose N/A
- 55 Missing N/A

**Rivets (Huck)**
- 56 Loose N/A
- 57 Missing N/A
- 58 Nuts Missing N/A

**Guard Rail Clamps**
- 59 Cotter Pins Missing N/A
- 60 Washers OK Broken Missing

**Bolts**
- 61 Hold Down Devices S Y R N/A
- 62 Spring Housing S Y R N/A
- 63 Derails S Y R 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

**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 3/4  
  *Guard Rail Flangeway can not be less 1 1/2"

**Bolts**
- 62 Guard Rail Plates S Y R
- 63 Frog Plates S Y R

**Rivets (Huck)**
- 64 Cotter Pins Missing N/A
- 65 Washers OK Broken Missing

**Bolts**
- 66 Hold Down Devices S Y R N/A
- 67 Spring Housing S Y R N/A
- 68 Derails S Y R N/A

**Class 1 Gage 56" to 57 1/2"
More than 57 1/2" Out of Service
Class 2 Gage 56" to 57"
More than 57" to 57 1/4" downgrade to Class 3 and gets a Y

**Remarks on page 3**
Switch RA 1B
WO # 3078415
Date 10/17/17

Switch 1-B

Heel Block nut and Lock Washer missing

Frog # 8 1-B

2 Handrail clips missing

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]