

Work Order Tracking (Tr)

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Work Order: 2914281

[Attachments](#)

Classification:

Site: METRO

Classification Description: MTA - METRO

Failure Class:

Asset: METRO MOW SWITCH JH1B CHAIN MARK = 067E+00

Problem Code:

Alias: TME1JH1B

Priority:

Location: METROMOW Maintenance of Ways

Asset/Location Priority:

Work Location:

Is Task?

Work Type:

Parent WO:

Status: APPR

Warranty Situation Present: N

Status Date: 06/03/17 11:24:51 AM

Maintenance Alert?

Reported By:

Repair Order?

Phone:

Has Follow-up Work?

Reported Date:

Quick PM?

On Behalf Of:

Consist:

Asset Details

Costs

Year:

Total Planned Cost: 165.78

Manufacturer:

Total Actual Cost: 0.00

Model:

Repair Limit Amount:

Serial #:

Current Asset Value: 0.00

Mainline 1 2 Yard _____ WO # 2914281

Date: 7-13-17 Inspection Crew D. Perkins, M. Albin, R. Nelson

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

Rail Points

4 Point to Point 52 3/4
5 Point Condition S Y R
6 Point Throw, **nothing less than 4 3/4 inches**
N _____ R 3 1/2
7 Point Opening
N _____ R 3 5/8

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 _____
11 Gage ahead of Bend 56 1/2
must not be less than 56 inches or more than 57 inches for "S"
12 Heel Spread in Inches
a) Turnout 4 1/4
a) Main 4 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 _____

Remarks on Page 3

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

Mainline 1 2 Yard _____ WO # 2914281

Date: 7-13-17 Inspection Crew: A. Perkins, M. Alchin, R. Nelson

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 # 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 2 5/8
50 Flangeway Depth 2
Flangeway Depth must not be less than 1 1/2"

Gage
51 Main Track 56 3/4
52 Turnout Track 56 9/16
Gage must not be less than 56" any Class

Guard Rails
53 Guard Rail Gage N 55 R 54 3/4
Guard Rail Gage must be less than 54 3/8"
54 Back to Back N 52 7/8 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

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 3/4 R 1 13/16
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 0 N/A
65 Missing 0 N/A

Rivets (Huck)

66 Loose 0 N/A
67 Missing 0 N/A
68 Nuts Missing 0 N/A
69 Cotter Pins Missing 0 N/A
70 Washers OK Broken _____ Missing _____

71 Hold Down Devices 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 0

75 Condition of Line thru entire turnout S Y R

Switch JH 1B WO # 2914281 Remarks _____ Date 7-13-17

Curve switch point has side wear.

Curve closure rail has side wear.

Frog Tread is worn on normal side.

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

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

S All items inspected are in compliance

Y Attention needed

R Immediate attention required or Out of Service

Reviewed by:

Andy Reg

Work Order Tracking (Tr)

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Work Order: 2914270 **METRO MOW SEMI-ANNUAL SWITCH INSPECTION**

Classification: MTA \ METRO

Classification Description: MTA - METRO

Asset: 1247219 METRO MOW SWITCH JH3B CHAIN MARK = 070E+05

Alias: TME1JH3B

Location: METROMOW Maintenance of Ways

Work Location:

* Work Type: PM

Status: APPR

Status Date: 06/03/17 11:24:51 AM

Reported By: MTACRON

Phone:

Reported Date: 05/15/17 04:15:27 AM

On Behalf Of:

Consist:

Attachments

Site: METRO

Failure Class:

Problem Code:

Priority: 1

Asset/Location Priority:

Is Task?

Parent WO:

Warranty Situation Present: N

Maintenance Alert?

Repair Order?

Has Follow-up Work?

Quick PM?

Asset Details

Costs

Year:		Total Planned Cost:	165.78
Manufacturer:		Total Actual Cost:	0.00
Model:		Repair Limit Amount:	
Serial #:		Current Asset Value:	0.00

Mainline 1 2 Yard _____ WO # 2914270

Date: 7/13/17 Inspection Crew A. Perkins, M. Alchin, R. Nelson

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

Rail Points

4 Point to Point 52 7/8
5 Point Condition S Y R
6 Point Throw, **nothing less than 4 3/4 inches**
N _____ R 3 1/2
7 Point Opening
N _____ R 3 5/8

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

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 _____ Missing _____

Remarks on Page 3

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 S Y R
35 Lubrication OK Dry S Y R
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

Mainline 1 2

Yard _____

WO # 2914270

Date: 7-13-17

Inspection Crew A. Perkins, M. Alchin, R. Nelson

1 Location JH
 2 Switch I.D. # 3B
 3 Facing Trailing X
 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 2 5/8
 50 Flangeway Depth 2
Flangeway Depth must not be less than 1 1/2"

Gage
 51 Main Track 56 3/4
 52 Turnout Track 56 3/8
Gage must not be less than 56" any Class

Guard Rails
 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 52 3/4 R 52 1/16
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 Gurad Rail Flangeway S Y R N 1 3/4 R 1 13/16
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 0 N/A
 65 Missing 0 N/A

Rivets (Huck)

66 Loose 0 N/A
 67 Missing 0 N/A
 68 Nuts Missing 0 N/A
 69 Cotter Pins Missing 0 N/A
 70 Washers OK Broken _____ Missing _____

71 Hold Down Devices 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 3B WO # 2914270 Remarks _____ Date 7-13-17

1. Left hand curved switch point has side wear.
2. Left hand straight stock rail has side wear.
3. Curve closure rail has side wear.
4. Frog point is chipped, needs welding.
5. Frog tread is worn on both treads.

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:

Arnay Ruiz

Work Order Tracking (Tr)

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Work Order: 2914260 METRO MOW SEMI-ANNUAL SWITCH INSPECTION

Attachments

Classification: MTA \ METRO

Site: METRO

Classification Description: MTA - METRO

Failure Class:

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

Problem Code:

Alias: TME2JH1A

Priority: 1

Location: METROMOW Maintenance of Ways

Asset/Location Priority:

Work Location:

Is Task?

Work Type: PM

Parent WO:

Status: APPR

Warranty Situation Present: N

Status Date: 06/03/17 11:24:51 AM

Maintenance Alert?

Reported By: MTACRON

Repair Order?

Phone:

Has Follow-up Work?

Reported Date: 05/15/17 04:15:22 AM

Quick PM?

On Behalf Of:

Consist:

Asset Details

Costs

Year:
 Manufacturer:
 Model:
 Serial #:

Total Planned Cost: 165.78
 Total Actual Cost: 0.00
 Repair Limit Amount:
 Current Asset Value: 0.00

Mainline 1 2 Yard _____ WO # 2914260

Date: 7-13-17 Inspection Crew P. Perkins, M. Alchin, R. Nelson

1 Location JH
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 2 5/8
50 Flangeway Depth 2
Flangeway Depth must not be less than 1 1/2"

Gage
51 Main Track 56 9/16
52 Turnout Track 56 3/4
Gage must not be less than 56" any Class

Guard Rails
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 5/8
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 Grad Rail Flangeway S Y R N 1 3/4 R 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 0 N/A
67 Missing 0 N/A
68 Nuts Missing 0 N/A
69 Cotter Pins Missing 0 N/A
70 Washers OK Broken 0 Missing 0

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 0

75 Condition of Line thru entire turnout S Y R

Mainline 1 2 Yard _____ WO # 2914260

Date: 7-13-17 Inspection Crew A. Perkins, M. Phipps, R. Wilson

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

Rail Points

4 Point to Point 52 3/4
5 Point Condition S Y R
6 Point Throw, **nothing less than 4 3/4 inches**
N _____ R 3 1/2
7 Point Opening
N _____ R 3 7/8

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 56 5/8
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 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 _____

Remarks on Page 3

W/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

Remarks

Switch JH 1A WO # 2914260 Date 7-13-17

1. Right hand curve switch point is extremely worn. Need to be replace. West bound crossover movements from 2 track to 1 track are not allowed (out of surface) due to the excessive side wear on the right hand curve switch point.

2. Right hand straight stock rail has side wear.

3. Curve closure rail has 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:

Ang Rodriguez

Work Order Tracking (Tr)

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Work Order: 2914285 METRO MOW SEMI-ANNUAL SWITCH INSPECTION

Attachments

Classification:

Site:

Classification Description:

Failure Class:

Asset:

Problem Code:

Alias:

Priority:

Location:

Asset/Location Priority:

Work Location:

Is Task?

Work Type:

Parent WO:

Status:

Warranty Situation Present:

Status Date:

Maintenance Alert?

Reported By:

Repair Order?

Phone:

Has Follow-up Work?

Reported Date:

Quick PM?

On Behalf Of:

Consist:

Asset Details

Costs

Year:

Total Planned Cost: 165.78

Manufacturer:

Total Actual Cost: 0.00

Model:

Repair Limit Amount:

Serial #:

Current Asset Value: 0.00

Mainline 1 2 Yard _____ WO # 2914285

Date: 7-13-17 Inspection Crew A. Perkins, M. Alphin, R. Nelson

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

Rail Points

4 Point to Point _____ 52 7/8
5 Point Condition S Y R
6 Point Throw, **nothing less than 4 3/4 inches**
N _____ R 3 3/8
7 Point Opening
N _____ R 3 1/2

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 3/4
11 Gage ahead of Bend 56 1/2
Must not be less than 56 inches or more than 57 inches for "S"
12 Heel Spread in Inches
a) Turnout 4 1/4
a) Main 4 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 _____ Missing _____

Remarks on Page 3

W/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

Mainline 1 2 Yard _____ WO # 2914285

Date: 7-13-17 Inspection Crew A. Perkins, M. Alchin, R. Nelson

1 Location JH
2 Switch I.D. # 3A
3 Facing Trailing X
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 3
50 Flangeway Depth 2 1/4
Flangeway Depth must not be less than 1 1/2"

Gage
51 Main Track 56 3/4
52 Turnout Track 56 3/4
Gage must not be less than 56" any Class

Guard Rails
Guard Rail Gage N 55 R 54 7/16
Guard Rail Gage must be less than 54 3/8"
54 Back to Back N 52 7/16 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

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 Grad Rail Flangeway S Y R N 1 3/4 R 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 0 N/A
67 Missing 0 N/A
68 Nuts Missing 0 N/A
69 Cotter Pins Missing 0 N/A
70 Washers OK Broken 0 Missing 0

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 0

75 Condition of Line thru entire turnout S Y R

Remarks

Switch JH 3A

WO # 2914285

Date 7-13-17

1. Left hand curve switch point has side wear.
2. Left hand straight stock rail has side wear.
3. Curve closure rail has side wear.
4. Frog treads are worn on both sides.

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:

Aray Rudy