

Work Order Tracking (Tr)

Query Find Work Order Select Action

List View Work Order Plans Actuals Activities Measurements Axle Configuration Related Records

Work Order: 2854280

METRO MOW SEMI-ANNUAL SWITCH INSPECTION

Attachments

Classification: MTA \ METRO

Site: M

Classification Description: MTA - METRO

Failure Class:

Asset: 1246897

METRO MOW SWITCH RP21 CHAIN MARK = 374W+15

Problem Code:

Alias: TMW2RP21A

Priority:

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: 05/09/17 04:58:17 PM

Maintenance Alert?

Reported By: MTACRON

Repair Order?

Phone:

Has Follow-up Work?

Reported Date: 04/03/17 04:15:48 AM

Quick PM?

On Behalf Of:

Consist:

Asset Details

Costs

Year:

Total Planned Cost: 165.78

Mainline 1 2 Yard _____

WO # 2854280

Date: 6-21-17 Inspection Crew J Bruckner A Perkins R Nelson M Alchur

1 Location _____ RP _____
2 Switch I.D. # _____ 19B _____
3 Facing X Trailing _____

Rail Points

4 Point to Point 50 3/4
5 Point Condition S Y R
6 Point Throw, **nothing less than 4 3/4 inches**
N _____ R 5 3/4
7 Point Opening
N _____ R 5 1/2
8 Fit S Y R
9 General Condition of the Points S Y R

Gage

10 Heel of Switch
a) Main 56 3/4
a) Turnout 56 1/2
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 6 3/4
a) Main 6 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 0 Missing 0

Remarks on Page 3

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

Mainline 1 2 Yard _____

WO # 2854280

Date: 6-21-17 Inspection Crew: J Brockmeyer A Perkins R Nelson M Uchir

1 Location RP
2 Switch I.D. # 19B
3 Facing X Trailing _____
44 Frog Tread N Y R 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 Y R

49 Throat in Inches 3 1/2
50 Flangeway Depth 1 3/8
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
53 Guard Rail Gage N 54 3/4 R 54 1/2
Guard Rail Gage must be less than 54 3/8"
54 Back to Back N 52 3/4 R 52 9/16
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 Y R
57 Turnout Track 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 Y R
59 Rail Movement Y R

Tie Plates

60 Lead Y R
61 Gurad Rail Flangeway Y R N 2 R 1 3/4
Guard Rial Flangeway can not be less 1 1/2"
62 Guard Rail Plates Y R
63 Frog Plates Y R

Bolts

64 Loose 1 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 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 Y R

Work Order Tracking (Tr)

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Work Order: 2854284 **METRO MOW SEMI-ANNUAL SWITCH INSPECTION**

Classification: MTA \ METRO Site: M

Classification Description: MTA - METRO Failure Class:

Asset: 1246466 METRO MOW SWITCH RP19B CHAIN MARK = 376W+60 Problem Code:

Alias: TMW1RP19B **RP-21** Priority:

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: 05/09/17 04:58:25 PM Maintenance Alert?

Reported By: MTACRON Repair Order?

Phone: Has Follow-up Work?

Reported Date: 04/03/17 04:15:51 AM Quick PM?

On Behalf Of:

Consist:

Asset Details

Costs

Year:	Total Planned Cost:	165.78
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Mainline 1 2 Yard _____

WO # 2854284

Date: 6-21-17 Inspection Crew J. Brockmeyer, A. Perkins, R. Nelson, M. Plehina

1 Location _____ RP _____
2 Switch I.D. # _____ 21 _____
3 Facing X Trailing _____

Rail Points

4 Point to Point 51 1/4
5 Point Condition S Y R
6 Point Throw, **nothing less than 4 3/4 inches**
N _____ R 4 13/16
7 Point Opening
N _____ R 5 1/16
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 1/2
Just not be less than 56 inches or more than 57 inches for "S"
12 Heel Spread in Inches
a) Turnout 6 1/4
a) Main 6 3/16

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

Remarks on Page 3

V/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 # 2854284

Date: 6-21-17 Inspection Crew: J. Brockmeyer, A. Perkins, L. Nelson, M. Alchin

- 1 Location RP
- 2 Switch I.D. # 21
- 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 3 3/8
- 50 Flangeway Depth 1 7/8
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 1/2 R 54 1/2
Guard Rail Gage must be less than 54 3/8"
 - 54 Back to Back N 52 3/8 R 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

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 1/2 R 2
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 (S) Y R OK 0 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
(S) Y R OK Difference _____

- 75 Condition of Line thru entire turnout (S) Y R

Remarks

Switch RP 21

WO # 2854284

Date 6-21-17

- 1. Right hand straight switchpoint has 1/4 side wear
- 2. Insulated Joint ahead of right hand curved stock rail is battered and chipped out on the end of the stock rail. Was welded in 2014. But buck bolts are now loose also. Stock rail needs to be replaced and new IJ made in field.
- 3. 18 Hold down devices are loose/missing in frog area

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

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

- S All items inspected are in compliance
- Y Attention needed
- R Immediate attention required or Out of Service

} ?

Reviewed by: AG [Signature]

Work Order Tracking (Tr)

Query Find Work Order Select Action

List View Work Order Plans Actuals Activities Measurements Axle Configuration Related Records

Work Order: 2854262 METRO MOW SEMI-ANNUAL SWITCH INSPECTION

Classification: MTA \ METRO

Classification Description: MTA - METRO

Asset: 1246800 METRO MOW SWITCH RP17 CHAIN MARK = 374W+15

Alias: TMW2RP17A

Location: METROMOW Maintenance of Ways

Work Location:

Work Type: PM

Status: APPR

Status Date: 05/09/17 04:58:07 PM

Reported By: MTACRON

Phone:

Reported Date: 04/03/17 04:15:21 AM

On Behalf Of:

Consist:

Attachments

Site: M

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?

Asset Details

Costs

Year:

Total Planned Cost: 165.78

Mainline **2**

WO# **2854262**

Date: 6-27-17 Inspection Crew J Brooks, J P Deshaas, R Nelson in Alchin

1 Location **Reistertown Plaza East**
2 Switch I.D. # **RP-17A**
3 Facing Trailing **X**

Rail Points

4 Point to Point 57 3/4
5 Point Condition **S Y R**
6 Point Throw, **nothing less than 4 3/4 inches**
N 5 R 5

7 Point Opening
N 5 3/16 R 5 3/16

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

Gage

10 Heel of Switch
a) Main 56 3/4
a) Turnout 56 3/2
11 Gage ahead of Bend 56 1/6
st not be less than 56 inches or more than 57 inches for "S"
12 Heel Spread in Inches
a) Turnout 6 1/4
a) Main 6 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 1 N/A
20 Jam Nuts Loose 0 N/A
21 Washers **OK** Broken 0 Missing 0

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

Line **2**

WO # **2854262**

Date: 6-27-17 Inspection Crew: J Brackmeyer A Perkins R Nelson M Alchin

41 Location **Reistertown Plaza East**
 42 Switch I.D. # **RP-17A**
 43 Facing Trailing **X**
 44 Frog Tread N S R
 R Y R
 45 Frog # 8
 46 Frog Point Condition
 S R
 47 Condition of Frog
 Y R
 48 Surface of Frog
 Y R
 49 Throat in Inches 3 1/2
 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 3/4
Gage must not be less than 56" any Class

Guard Rails
 53 Guard Rail Gage N 54 1/2 R 54 7/16
Guard Rail Gage must be less than 54 3/8"
 54 Back to Back N 52 3/16 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
 Y R
 57 Turnout Track
 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
 Y R
 59 Rail Movement
 Y R

Tie Plates

60 Lead
 Y R
 61 Guard Rail Flangeway
 Y R N 1 15/16 R 1 15/16
Guard Rail Flangeway can be less than 1-1/2"
 62 Guard Rail Plates
 Y R
 63 Frog Plates
 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 Broken 0 Missing 0

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

74 **Maximum difference in any 31' in Cross Level on the siding from the Frog Point to 50' beyond last long tie**
 Difference 0

75 Condition of Line thru entire turnout
 Y R

Remarks

Date : 6-27-17

Mainline: 2

Switch # RP-17A

WO # 2854262

Striped Shoulder bolt South heel block

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:

Armedy Kelly