

Mainline 1 2 Yard _____

3087213

Date: 11-29-17 Inspection Crew Brock Meyer, Nelson, Alchin

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

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 _____ R 4 3/4
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 56 7/16
a) Turnout 56 7/16
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 6 1/8
a) Main 6 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

J/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 _____

3087213

Date: 11-29-17 Inspection Crew: Brock Meyer, Nelson, Albin

1 Location CC
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 33/8
50 Flangeway Depth 2
Flangeway Depth must not be less than 1 1/2"

Gage
51 Main Track 56 3/8
52 Turnout Track 56 3/16
Gage must not be less than 56" any Class

Guard Rails
53 Guard Rail Gage N 54 13/16 R 54 5/8
Guard Rail Gage must be less than 54 3/8"
54 Back to Back N 52 13/16 R 52 9/16
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 1/2 R 1 3/4
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 8 N/A
65 Missing 8 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 _____

75 Condition of Line thru entire turnout S Y R

Switch CC 1B

WO # 3087213

Remarks

Date 11-29-17

1. Right hand curved switch point has 1/8" sidewear.
2. Curved closure rail has 1/8" side wear.
3. Frog Tread on normal side has 1/8" wear.
4. Frog point has a small crack on the running surface.
5. 12 hold down devices are 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:

RF Reddy Red, SA

Work Order Tracking (Tr)

Query Find Work Order Select Action

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

Work Order: 3087217 **METRO MOW SEMI-ANNUAL SWITCH INSPECTION**

Classification: MTA \ METRO Site: M

Classification Description: MTA - METRO Failure Class:

Asset: 1247163 **METRO MOW SWITCH CC3A CHAIN MARK = 007W+65** Problem Code:

Alias: TMW2CC3A 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: 10/22/17 07:51:29 AM Maintenance Alert?

Reported By: MTACRON Repair Order?

Phone: Has Follow-up Work?

Reported Date: 09/18/17 04:16:41 AM 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
Type: FLEET	Fleet Assets	GL Account:	J05-####-047
Status: OPERATING	Operating	Accepts Charges?	<input checked="" type="checkbox"/>

Mainline 1 2 Yard

3087217

3087217

Date: 11-29-17 Inspection Crew Brock Meyer, Nelson, Alchin

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

Rail Points

4 Point to Point 51'8"
5 Point Condition S Y R
6 Point Throw, **nothing less than 4 3/4 inches**
N _____ R 4 3/4
7 Point Opening
N _____ R 5

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

Gage

10 Heel of Switch
a) Main 56 1/4
a) Turnout 56 1/4
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 6 1/4
a) Main 6 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

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

3087217

3087217

Date: 11-29-17 Inspection Crew: Brock Meyer, Nelson, Alchin

1 Location CC
 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 1/2
 50 Flangeway Depth 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 1/16 R 54 1/16
Guard Rail Gage must be less than 54 3/8"
 54 Back to Back N 53 1/16 R 53 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 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 _____ 0 N/A
 67 Missing _____ 0 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

Switch CC 3A

WO #

Remarks

3087217

Date

11-29-17

1. Left hand curved switch point has 1/8" side wear.
2. Curved closure rail has 1/8" side wear.
3. Left hand straight stock rail is chipped on the end.
4. 14 hold down devices are 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:

Armedy Redisa

Work Order Tracking (Tr)

MTA472 PM OVER 30 E Find Work Order Select Action

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

Work Order: 2992296 **METRO MOW SEMI-ANNUAL SWITCH INSPECTION** Attachments

Classification: MTA \ METRO Site: METRO

Classification Description: MTA - METRO Failure Class:

Asset: 1243451 METRO MOW SWITCH OM7A CHAIN MARK = 704W+53 Problem Code:

Alias: TMW2OM7A 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: 09/01/17 11:14:17 AM Maintenance Alert?

Reported By: MTACRON Repair Order?

Phone: Has Follow-up Work?

Reported Date: 07/11/17 04:14:51 AM 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 # **2992296**

Date: 11-29-17 Inspection Crew Brockmeyer, Nelson, Alchin

1 Location OM
2 Switch I.D. # 7A
3 Facing X Trailing

Rail Points

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

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

Gage

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

JWEM 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 # 2992296

Date: 11-29-17 inspection Crew: Brockmeyer, Nelson, Alchin

1 Location OM
2 Switch I.D. # 7A
3 Facing X Trailing _____
44 Frog Tread N S Y R
R S Y R

45 Frog # 6
46 Frog Point Condition S Y R
47 Condition of Frog S Y R
48 Surface of Frog S Y R

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

Gage
51 Main Track 56
52 Turnout Track 57 1/4
Gage must not be less than 56" any Class

Guard Rails
53 Guard Rail Gage N 54 R 55 1/4
Guard Rail Gage must be less than 54 3/8"
54 Back to Back N _____ R _____
Back to Back must be less than 53 1/8"

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

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

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

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 _____ R _____

Guard Rai Flangeway can not be less i 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 _____ 0 N/A
67 Missing _____ 0 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

Switch OM 7A WO # 2992296 Remarks _____ Date 11-29-17

1. One loose adjustable brace on right hand straight stock rail
2. Right hand straight stock rail has $\frac{1}{16}$ " side wear ahead of point.
3. Curve closure rail has $\frac{1}{8}$ " side wear at the heel block
4. Raised Guard on the turnout side of the frog has $\frac{1}{4}$ " side wear, $\frac{3}{8}$ " is maximum.
5. First head block tie past switch points is severely deteriorated.
6. Frog is out-of-Gage, Tight on main side, wide on Turnout.
7. Total of 15 deteriorated Timbers throughout entire switch.

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 Redisa