



Work Order Tracking (Tr)

Bulletins: (1) Go To

Find Work Order

Select Action

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Work Order: 2114511 METRO MOW SEMI-ANNUAL SWITCH INSPECTION

Classification: MTA \ METRO

Classification Description: MTA - METRO

Asset: 1246897 METRO MOW SWITCH RP21 CHAIN MARK = 374W+15

Alias: RP21

Location: 374WSWRP21 Chain Markers West, Reisterstown Plaza Interlock, METRO

Work Location:

\* Work Type: PM

Status: APPR

Status Date: 10/08/15 07:32:28 AM

Reported By: MTACRON

Phone:

Reported Date: 10/05/15 04:16:20 AM

On Behalf Of:

Const:

Asset Details

Year:

Manufacturer:

Model:

Serial #:

Type: FLEET

Fleet Assets

Status: OPERATING

Operating

Asset Condition:

Address Information

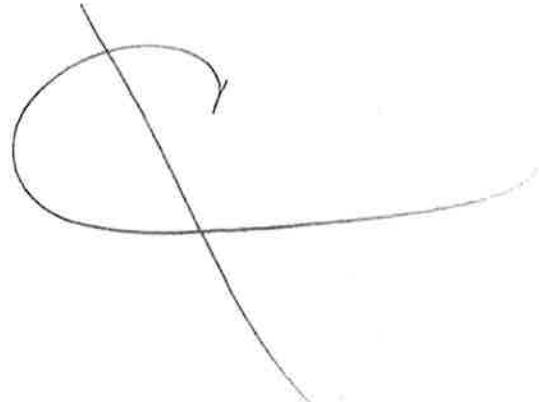
Service Address:

City:

Formatted Address:

State/Province:

Street Address:



Mainline **1**

WO# **2114511**

Date: 10/10/15 Inspection Crew A. Jefferson, w. Greenwood, R. Nelson

1 Location Reisterstown Plaza

2 Switch I.D. # 21

3 Facing X Trailing \_\_\_\_\_

**Rail Points**

4 Point to Point 51 1/4

5 Point Condition S Y R LH Curve 340

6 Point Throw, **nothing less than 4 3/4 inches**

N \_\_\_\_\_ R 5 1/4

7 Point Opening  
N \_\_\_\_\_ R 5 1/8

8 Fit  
S Y R

9 General Condition of the Points  
S Y R Curve wear

**Gage**

10 Heel of Switch  
a) Main 56 1/2

a) Turnout 56 13/16

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 6 7/8

a) Main 6 1/4

**Stock Rail**

13 Bend S Y R Angle 310

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 \_\_\_\_\_

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 330

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**

Mainline **1**

WO # **2114511**

Date: **10/10/15** Inspection Crew: **A. Jefferson, W. greenwood, R. Nelson**

41 Location **Reisterstown Plaza**

42 Switch I.D. # **21**

43 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 1/2**

50 Flangeway Depth **2 1/4**

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

**Gage**

51 Main Track **56 1/2**

2 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 7/16**

**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**

**Turnout Ties**

58 Condition **S Y R** *H under closure rails*

59 Rail Movement

**S Y R**

60 Lead

**S Y R**

61 Guard Rail Flangeway

**S Y R** N **1 3/4** R **1 7/8**

**Guard Rail Flangeway can be less than 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 **1/8**

75 Condition of Line thru entire turnout

**S Y R**

**marks on page 3**

Date : 10/10/15 Mainline: 1 Remarks Switch # RP-21 WO # 2114511

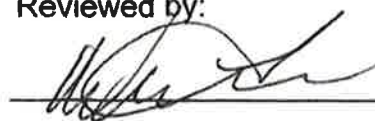
5. Switch point has extreme side wear 34° angle wear.
14. Left hand straight stock rail showing 31° angle wear in front of the tuck, running rail jointed to front of stock rail has 29° angle wear.
31. Curved closure Rail has extreme side wear 33° angle wear.
58. 2 concrete pads are broken loose from deck floor. 2 concrete pads have cracked in half.

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)

Bulletins: (1) Go To

Work Order

Select Action



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Work Order: 2114475 :METRO MOW SEMI-ANNUAL SWITCH INSPECTION

Classification: MTA \ METRO

Classification Description: MTA - METRO

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

Alias: RP17

Location: 374WSWRP17 >> Chain Markers West, Reisterstown Plaza Interlock , METRO

Work Location:

\* Work Type: PM

Status: APPR

Status Date: 10/08/15 07:29:03 AM

Reported By: MTACRON

Phone:

Reported Date: 10/05/15 04:15:40 AM

On Behalf Of:

Consist:

Asset Details

Year:

Manufacturer:

Model:

Serial #:

Type: FLEET

Fleet Assets

Status: OPERATING

Operating

Asset Condition:

Address Information

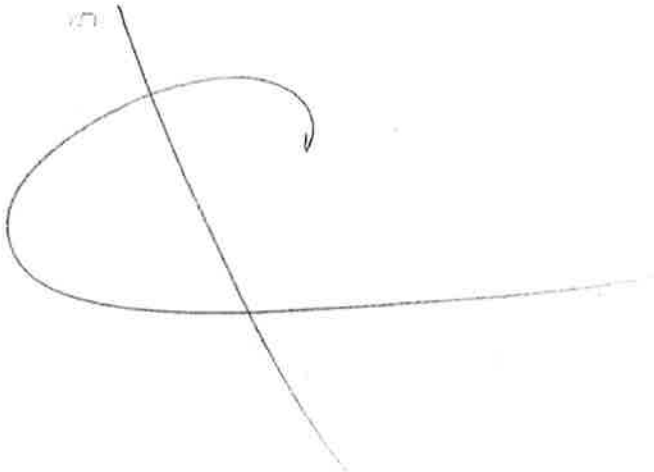
Service Address:

City:

Formatted Address:

State/Province:

Street Address:



Mainline **2**

WO# **2114475**

Date: 10/10/15 Inspection Crew A. Jefferson, w. Greenwood, R. Nelson

1 Location **Reisterstown Plaza**  
2 Switch I.D. # **17**  
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 \_\_\_\_\_ R 5  
7 Point Opening  
N \_\_\_\_\_ R 5 1/4  
8 Fit **S Y R**  
9 General Condition of the Points **S Y R**

**Gage**

10 Heel of Switch  
a) Main 56 1/2  
Turnout 56 1/2  
11 Gage ahead of Bend 56 1/16  
**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 3/8

**Stock Rail**

13 Bend **S Y R**  
14 Condition **S Y R**

**Bolts**

15 Loose 1 N/A  
16 Missing 0 N/A

**Rivets (Huck Bolts)**

17 Loose 0 N/A  
18 Missing 0 N/A  
19 Cotter Pins missing 2 N/A  
20 Jam Nuts Loose 0 N/A  
21 Washers OK \_\_\_\_\_ Broken \_\_\_\_\_ Missing 2

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**

line **2**

WO # **2114475**

Date: 10/10/15 Inspection Crew: A. Jefferson, W. Greenwood, R. Nelson

41 Location Reisterstown Plaza

42 Switch I.D. # 17

43 Facing Trailing **X**

44 Frog Tread N SYR  
R SYR

45 Frog # 8

46 Frog Point Condition

SYR

47 Condition of Frog

SYR

48 Surface of Frog

SYR

49 Throat in Inches 3 1/2

50 Flangeway Depth 2 1/8

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

**Gage**

51 Main Track 56 7/16

Turnout Track 56 7/16

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

**Guard Rails**

53 Guard Rail Gage N 54 7/16 R 54 3/4

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

54 Back to Back N 52 1/2 R 52 3/4

**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**

**Classes 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 5/16 R 1 7/8

**Guard Rail Flangeway can be less than 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

0 N/A

67 Missing

0 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

Date : 10/10/15

Mainline: 2

Switch # RP-17

WO # 2114475

- 44. Frog tread on normal side is worn, riser & point need to be welded.
- 58. 2 Concrete pads under the frog wing on the toe end are broken loose from the decking floor.

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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Work Order: 2114515 METRO MOW SEMI-ANNUAL SWITCH INSPECTION

Classification: MTA \ METRO

Classification Description: MTA - METRO

Asset: 1246456 METRO MOW SWITCH RP19B CHAIN MARK = 376W+60

Alias: RP19B

Location: 376WSWRP1 Chain Markers West, Relasterstown Plaza Interlock , CHAIN M

Work Location:

\* Work Type: PM

Status: APPR

Status Date: 10/08/15 07:50:36 AM

Reported By: MTACRON

Phone:

Reported Date: 10/05/15 04:16:23 AM

On Behalf Of:

Consist:

Asset Details

Year:

Manufacturer:

Model:

Serial #:

Type: FLEET

Fleet Assets

Status: OPERATING

Operating

Asset Condition:

Address Information

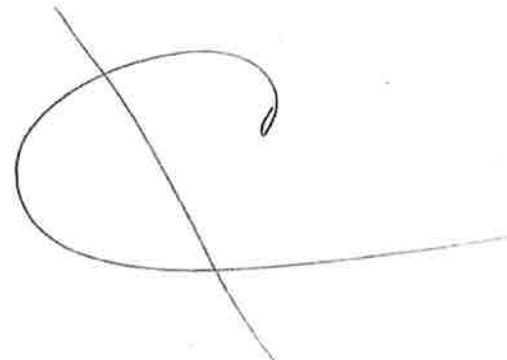
Service Address:

City:

Formatted Address:

State/Province:

Street Address:



Mainline **1**

WO# **2114515**

Date: 10/10/15 Inspection Crew A. Jefferson, w. Greenwood, R. Nelson

1 Location Reisterstown Plaza  
2 Switch I.D. # 19B  
3 Facing X Trailing     

**Rail Points**

4 Point to Point 51  
5 Point Condition S Y R  
6 Point Throw, **nothing less than 4 3/4 inches**  
N      R 3 1/4  
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  
**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 1/8

**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  
Washers OK Broken      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 Lecks  
OK Broken      Missing     

39 General Condition

S Y R  
40 Insulated Joints  
S Y R

**Remarks on Page 3**

Mainline **1**

WO # **2114515**

Date: **10/10/15** Inspection Crew: **A. Jefferson, W. greenwood, R. Nelson**

41 Location **Reisterstown Plaza**

42 Switch I.D. # **19B**

43 Facing **X** Trailing \_\_\_\_\_

44 Frog Tread N **S Y R**  
R **S Y R**

45 Frog # **A**

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 \_\_\_\_\_

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

**Gage**

51 Main Track **56 1/16**

? Turnout Track **56 3/8**

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

**Guard Rails**

53 Guard Rail Gage N **54 1/4** R **54 9/16**

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

54 Back to Back N **52 1/4** R **52 1/2**

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

54 Condition

**S Y R**

55 Location of Guard Rail (Relation to Point)

**S Y R**

**Guard Rail Clamps**

56 Main Track

**S Y R**

57 Turnout Track

**S Y R**

**Class 1 Gage 56" to 57 1/2"**

**More than 57 1/2" Out of Service**

**Class 3 Gage 56" to 57"**

**More than 57" to 57 1/4" downgrade to**

**Class 2 and gets a Y**

marks 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 15/16** R **1 13/16**

**Guard Rail Flangeway can be less than 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** **5 missing**

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 **1/8**

75 Condition of Line thru entire turnout

**S Y R**

## Remarks

Date : 10/10/15

Mainline: 1

Switch # RP-19B

WO # 2114515

14. Right hand straight stock rail has wheel burn in the Tuck area.
22. Standard Joints in front of stock rail are badly battered on north & south rail.
31. Straight closure rail battered at the heel block.
44. Frog riser in throat area is chipped out.
46. Frog point is battered, needs welded.
58. 3 concrete pads under closure rails are broken in half and broken loose from decking.
63. 2 bolts are broken off in concrete blocks on Turn out side of frog, frog plates are loose.
71. 5 hold down devices are 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:

