

Switch Inspection Report/ Semi- Annual

Mainline 1 2 Yard \_\_\_\_\_ WO# 310 7983

Date 11-9-17 Inspection Crew Rollard Sell

1. Location: \_\_\_\_\_  
2. Switch ID# 423A  
3. Facing \_\_\_\_\_ Trailing  Flagman Kabette

Rail Points

- 4. Point to Point 5 1/8
- 5. Point Condition S Y R
- 6. Point Throw Nothing less than 4" or greater than 5" Min 3 1/2" on house top point protector  
N 4 1/2 R \_\_\_\_\_
- 7. Point opening  
N 4 3/8 R \_\_\_\_\_
- 8. Fit S Y R
- 9. General Condition of the points  
S Y R

Gage

- 10. Heel of Switch
  - a. Main 56 5/8
  - b. Turnout 56 1/2
- 11. Gage ahead of Bend 56 5/8  
Must not be less than 56" or more than 57" for 'S'
- 12. Heel Spread in Inches
  - a. Main 6 1/4
  - b. Turnout 6 3/8

Stock Rail

- 4. Bend S Y R
- 5. Condition S Y R

Bolts

- 6. Loose 0 N/A
- 7. Missing 0 N/A

Rivets

- 8. Loose N/A
- 9. Missing N/A
- 10. Cotter Pins Missing 0 N/A
- 11. Jam Nuts Loose 0 N/A
- 12. Washers OK Broken \_\_\_\_\_ Missing \_\_\_\_\_
- 13. Standard Joints  
S Y R N/A
- 14. Switch Plates  
S Y R N/A
- 15. Adjustable Braces  
S Y R N/A

16. Non-Adjustable  
S Y R N/A

Switch Rods

- 17. Front Rod  
S Y R N/A
- 18. #1 Rod (Basket Rod)  
S Y R N/A
- 19. #2 Rod  
S Y R N/A
- 20. #3 Rod  
S Y R N/A
- 21. #4 Rod  
S Y R N/A
- 22. Closure Rail  
S Y R N/A
- 23. Surface Rail  
S Y R N/A  
Using a 62' Cord  
S= Up to 1' Max allowed Speed  
Y= 1' to 1 1/2' Max allowed 11 2' 40 MPH  
R= 1 1/2' TO 1 1/2' 12 MPH Greater than 1 1/2' Out of Service
- 24. Head Block Ties  
S Y R
- 25. Switch Adjustment  
Yes No
- 26. Lubrication  
OK Dry
- 27. Switch Target/ Lamps  
OK Missing N/A
- 28. Latches  
OK Missing \_\_\_\_\_ N/A
- 29. Locks  
OK Missing \_\_\_\_\_ N/A
- 30. General Condition  
S Y R
- 31. Insulated Joints  
S Y R

Remarks on Page 3

Frog Inspection Report/ Semi- Annual

Mainline 1 2 Yard \_\_\_\_\_ WO# 31879P3  
Date 11-9-17 Inspection Crew Billard Sell

1. Location: \_\_\_\_\_  
2. Switch ID# 42  
3. Facing \_\_\_\_\_ Trailing  Flagman Kabette

44. Frog Tread N  Y R  
R  Y R  
45. Frog Number # 8

46. Frog Point Condition  
 Y 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 1/2"

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

Guard Rails  
53. Guard Rail Gage N 54 3/4 R 54 5/8 N/A  
Guard Rail Gage must be less than 54 3/8"  
54. Back to back N 52 3/4 R 52 3/4 N/A  
Back to Back must be less than 53 1/8"  
55. Condition  
 Y R  
56. Location of Guard Rail ( Relation to Point)  
 Y R

Guard Rail Clamps  
57. Main Track  
 Y R N/A  
58. Turnout Track  
 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

Remarks on page 3

Turnout Ties

59. Conditions  
 Y R N/A  
60. Rail Movement  
 Y R N/A

Tie Plates

61. Lead  
 Y R N/A  
62. Guard Rail Flangeway  
 Y R N/A 1 1/2 R 1 3/8  
Guard Rail Flangeway cannot be less 1 1/2"  
63. Guard Rail Plates  
 Y R N/A  
64. Frog Plates  
 Y R N/A

Bolts

65. Loose 1 N/A  
66. Missing 0 N/A

Rivets

67. Loose \_\_\_\_\_  
68. Missing \_\_\_\_\_  
69. Nuts Missing 0 N/A  
70. Cotter Pins Missing N/A  
71. Washers OK Broken \_\_\_\_\_ Missing \_\_\_\_\_

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

75. Maximum difference in any 31" in Cross Level on the siding from the Frog Point to 50" beyond last long tie  
OK Difference \_\_\_\_\_

76. Condition of Line thru entire turnout  
S Y R

Remarks

Switch #

42-3A

Date

11-9-17

WO #

318 7983

Straight Switch point  
Buttered Micro cracking and some Flaking  
3rd - 4th rod

1/8" gap SSP

inspection complete

All rules comply with the MTA Fled 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 Imitate attention

Reviewed by:



Date:

11/3/17



# Work Order Details (Tr)

Org ID: MTA  
 Site: LTRAIL

Crew ID: null  
 WO # 3107878      Semi Annual Switch Inspection

Alias: 030SMOWSW-1      Track switch,L,10,TRAILING      Location: CMS030      Chain Markers South, 030      Status: OPERATING

Asset: 1257763      Year:      Manufacturer:      Type: FLEET

Serial Number:      License:      Service Address: 1155 344 West North Ave, Baltimore MD

Meters:      Description      Unit of Measure      Last Reading Date      Last Reading

CI:      Mileage Meter:

Sched Start:	
Sched Finish:	
Target Start:	10/28/17
Target Finish:	10/28/17
Actual Start:	11/10/17
Actual Finish:	11/10/17
Report Date:	10/1/17
Reported By:	MTACRON
Requestor of Work:	

Site:	LTRAIL
Priority:	1
Work Type:	PM
Status:	CLOSE
Parent:	
Person Group:	MTAS27
GL Account:	J05-####-05270-#####-0901-#####-#####-###-###-000-30-00
Warranty Situation Present?	N
PM Num:	47299

Job Plan:	2688
Job Desc:	Semi Annual Switch Inspection
Supervisor:	
Lead:	JREAVES3
Owner:	
Owner Group:	
Service:	
Service Group:	
Classification:	2732
Part Failure:	

Specification	Attribute	Description	ALN Value	Numeric Value	Unit of Measure
LTRAIL_DESCRIPTION		LTRAIL_DESCRIPTION			
		Semi Annual Switch Inspection			

# Work Order Details (Tr)

Org ID: MTA  
 Site: LTRAIL

WO # 3107878      Semi Annual Switch Inspection

Log	Date	Class	Created By	Subject	Description	Long Description
	11/10/17	WORKORDER	MPOLLARD		switch inspection	1 ) Straight switch point showing 40% wear , micro cracking in this switch point also .  2 ) 14 loose screw spikes in the switch area .  3 ) 1 rotted 11 ' tie . 4 ) 1 rotted 14 ' tie .
						inspection complete



# Work Order Details (Tr)

Org ID: MTA  
 Site: LTRAIL

WO # 3107878      Semi Annual Switch Inspection

**Actual Labor**

Task ID	Craft	Skill Level	Labor	Component	Position	Reason for Repair	Work Accomplished	Part Failure	Warranty	Contract Num	Regular Hours	Premium Hours	Line Cost
10	AREPAIR	MPOLLAF					10			N	00:00	01:00	39.44
10	AREPAIR	SSELL					10			N	00:00	01:00	39.75
10	AREPAIR	ARABETT					10			N	00:00	01:00	40.76
<b>Total Actual Labor:</b>												119.95	

## Work Order Details (Tr)

Org ID: MTA  
Site: LTRAIL

WO # 3107878      Semi Annual Switch Inspection

### Task IDs

Task ID	Description	Status	Component	Position	Reason for Repair	Work Accomplished	Part Failure	Warranty?
10	Performed inspection according to LR MOW procedure	CLOSE						N

Date Completed

Completed By

Supervisor

Switch Inspection Report, Semi-Annual

Mainline 1 2 Yard \_\_\_\_\_ WO# 3107878  
Date 11-9-12 Inspection Crew Rolland Sell

1. Location: \_\_\_\_\_  
2. Switch ID# 30-1  
3. Facing \_\_\_\_\_ Trailing  Flagman Rabette

**Rail Points**

- 4. Point to Point 52 1/8
- 5. Point Condition S Y R
- 6. Point Throw Nothing less than 4" or greater than 5" Min 3 1/2" on house top point protector  
N 4 R 4
- 7. Point opening  
N 4 3/8 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 1/2
  - b. Turnout 56 1/2
- 11. Gage ahead of Bend 56 3/4  
Must not be less than 56" or more than 57" for 'S'
- 12. Heel Spread in Inches
  - a. Main 56 1/2
  - b. Turnout 56 1/2

**Stock Rail**

- 4. Bend S Y R
- 5. Condition S Y R

**Bolts**

- 6. Loose 6 1/4 N/A
- 7. Missing 6 1/4 N/A

**Rivets**

- 8. Loose N/A
- 9. Missing N/A
- 10. Cotter Pins Missing 0 N/A
- 11. Jam Nuts Loose 0 N/A
- 12. Washers OK Broken \_\_\_\_\_ Missing \_\_\_\_\_
- 13. Standard Joints S Y R N/A
- 14. Switch Plates S Y R N/A
- 15. Adjustable Braces S Y R N/A

16. Non-Adjustable S Y R N/A

**Switch Rods**

- 17. Front Rod S Y R N/A
- 18. #1 Rod (Basket Rod) S Y R N/A
- 19. #2 Rod S Y R N/A
- 20. #3 Rod S Y R N/A
- 21. #4 Rod S Y R N/A
- 22. Closure Rail S Y R N/A
- 23. Surface Rail S Y R N/A  
Using a 62' Cord  
S= Up to 1" Max allowed Speed  
Y= 1" to 1 1/2" Max allowed 11 1/2 - 10 MPH  
R= 1 1/2" TO 1 3/4" 12 MPH Greater than 1 3/4" Out of Service
- 24. Head Block Ties S Y R
- 25. Switch Adjustment: Yes No
- 26. Lubrication OK Dry
- 27. Switch Target Lamps OK Missing N/A
- 28. Latches OK Missing N/A
- 29. Locks OK Missing N/A
- 30. General Condition S Y R
- 31. Insulated Joints S Y R



Frog Inspection Report/ Semi- Annual

Mainline 9 2 Yard 3107878 WO# 3107878  
Date 11-9-17 Inspection Crew Bollard Sell

1. Location: \_\_\_\_\_  
2. Switch ID# 30-1  
3. Facing \_\_\_\_\_ Trailing  Flagman Kabette

44. Frog Tread N  Y R  
R  Y R  
45. Frog Number # 10  
46. Frog Point Condition  
 Y R  
47. Condition of Frog  
 Y R  
48. Surface of Frog  
 Y R  
49. Throat in Inches 3 1/4  
50. Flangeway Depth 2  
Flangeway Depth must not be less than 1/2"

Gage  
51. Main Track 56 1/2  
52. Turnout Track 56 3/4  
Gage must not be less than 56" for any Class

Guard Rails  
53. Guard Rail Gage N 54 1/2 R 54 1/2 N/A  
Guard Rail Gage must be less than 54 3/8"  
54. Back to back N 52 5/8 R 52 5/8 N/A  
Back to Back must be less than 53 1/8"  
55. Condition  
 Y R  
56. Location of Guard Rail ( Relation to Point )  
 Y R

Guard Rail Clamps  
57. Main Track  
 Y R N/A  
58. Turnout Track  
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

Remarks on page 3

Turnout Ties  
59. Conditions  
 Y R N/A  
60. Rail Movement  
 Y R N/A

Tie Plates  
61. Lead  
 Y R N/A  
62. Guard Rail Flangeway  
 Y R N 1 3/8 R 1 3/4  
Guard Rail Flangeway cannot be less 1 1/4"  
63. Guard Rail Plates  
 Y R N/A  
64. Frog Plates  
 Y R N/A

Bolts  
65. Loose 0 N/A  
66. Missing 0 N/A

Rivets  
67. Loose N/A  
68. Missing N/A  
69. Nuts Missing 0 N/A  
70. Cotter Pins Missing N/A  
71. Washers OK Broken Missing \_\_\_\_\_  
72. Hold Down Devices  
 Y R N/A  
73. Spring Housing  
S Y R N/A  
74. Derails  
S Y R N/A  
75. Maximum difference in any 31" in Cross Level on  
the siding from the Frog Point to 50" beyond last  
long tie  
OK Difference \_\_\_\_\_  
76. Condition of Line thru entire turnout  
 Y R

Remarks

Switch # 30-1 Date 11-9-17 WO # 310 7878

Staight switch point showing wear 40%<sup>0</sup>

Micro cracking in SSP

1 Rotted 11' tie

1 Rotted 14' tie

14 loose screw spike

inspection complete

All rules comply with the MTA Fled 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 Imitate attention

Reviewed by:



Date:

11/13/17