Switch Inspection Report/ Semi- Annual

Mainline 1 2 Yard siding WO# 3107989

Date 10-18-17 Inspection Crew Rollaid, Rabette

1. Location: _____
2. Switch ID# 113
3. Facing ✓ Trailing _____ Flagman Lam

Rail Points

4. Point to Point 51 1/2
5. Point Condition
   (S) Y R
6. Point Throw Nothing less than 4" or greater than 5" Min 3 ½" on house top point protector
   N 4 7/8 R _____
7. Point opening
   N 5 1/4 R _____
8. Fit
   (S) Y R
9. General Condition of the points
   (S) Y R

Gage

10. Heel of Switch
    a. Main 57
    b. Turnout 56 1/2
11. Gage ahead of Bend 57

Must not be less than 56" or more than 57" for "S"

12. Heel Spread in Inches
    a. Main 6 3/4
    b. Turnout 6 1/2

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 0 N/A
9. Missing 0 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 ½" Max allowed 1 1/2 " 40 MPH
    R= 1 1/2" TO ¾" 12 MPH Greater than 1 ¾" 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# 3107989

e 10-18-17 Inspection Crew Pollard Rabette

1. Location:
2. Switch ID# 113
3. Facing ✓ Trailing Flagman Lax

44. Frog Tread N S Y R
R S Y R
45. Frog Number # 10
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 1 15/16
Flangeway Depth must not be less than 1/2"

Gage

Main Track 56 1/2
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 3/8 N/A
Guard Rail Gage must be less than 54 3/8"
54. Back to back N 52 3/4 R 53 1/16 N/A
Back to Back must be less than 53 1/8"
55. Condition
S Y R
56. Location of Guard Rail (Relation to Point)
S Y R

Guard Rail Clamps

57. Main Track
S Y R N/A
58. Turnout Track
S Y R N/A

Class 1 Gage 56" to 57 ½"
More than 57 1/2 " Out of Service

Class 3 Gage 56" to 57"
e than 57" to 57 ¼" downgrade to

Class 2 and gets a Y

Remarks on page 3

Turnout Ties

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

Tie Plates

61. Lead
S Y R N/A
62. Guard Rail Flangeway
S Y R N 1 7/8 R 1 5/8
Guard Rail Flangeway cannot be less 1 ½"
63. Guard Rail Plates
S Y R N/A
64. Frog Plates
S 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
S 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 # 113 Date 10-18-17 WO # 310 7989

wings are grooved, tread worn down westside

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: 10/18/17

MARYLAND DEPT OF TRANSPO - Maximo

Maryland Department of Transportation

Work Order Details (Tr)

Org ID: MTA
Site: LTRAIL

Crew ID: null

WO # 3107989 Semi Annual Switch Inspection

Alias:		**Location:**	CMN113	Chain Markers North, 113N	**Status:**
Asset:	**Year:**	**Manufacturer:**			**Type:**
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:	10/19/17
Actual Finish:	10/19/17
Report Date:	10/1/17
Reported By:	MTACRON
Requestor of Work:	

Site:	LTRAIL
Priority:	1
Work Type:	PM
Status:	CLOSE
Parent:	
Person Group:	MTA527
GL Account:	J05-#####-05270-##########-0901-########-######## #### ####-######-000-30-00
Warranty Situation Present?	N
PM Num:	48363

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 # 3107989 **Semi Annual Switch Inspection**

Log

Date	Class	Created By	Subject	Description	Long Description
10/19/17	WORKORDER	TSCHISLER		switch inspection	1) wings of the frog are worn down , tread on the west side is worn .

Work Order Details (Tr)

Org ID: MTA
Site: LTRAIL

WO # 3107989 Semi Annual Switch Inspection

Actual Labor

Task ID	Craft	Skill Level	Labor	Component	Position	Reason for Repair	Work Accomplishec	Part Failure	Warranty	Contract Num	Regular Hours	Premiun Hours	Line Cost
10	AREPAIR		GLAM				10		N		00:00	01:00	39.44
10	AREPAIR		MPOLLAF				10		N		00:00	01:00	39.44
												Total Actual Labor:	78.88

Work Order Details (Tr)

Org ID: MTA
Site: LTRAIL

WO # 3107989 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

MARYLAND DEPT OF TRANSPO - Maximo

Maryland Department of Transportation

Work Order Details (Tr)

Org ID: MTA
Site: LTRAIL

Crew ID: null

WO # 3107991 Semi Annual Switch Inspection

Alias: NAYDMOWSW94-3A	Yard Switch 94-3A, LH # 6 YL 1 to YL 2	**Location:**	CMNAYARD	Chain Markers North Avenue Yard	**Status:** OPERATING
Asset: 1257482	**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:	10/19/17
Actual Finish:	10/19/17
Report Date:	10/1/17
Reported By:	MTACRON
Requestor of Work:	

Site:	LTRAIL
Priority:	1
Work Type:	PM
Status:	CLOSE
Parent:	
Person Group:	MTA527
GL Account:	J05-#####-05270-##########-0901-#######-####### #### ####-######-000-30-00
Warranty Situation Present?	N
PM Num:	47834

Job Plan:	2689
Job Desc:	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	Annual Switch Inspection		

Work Order Details (Tr)

Org ID: MTA
Site: LTRAIL

WO # 3107991 Semi Annual Switch Inspection

Log

Date	Class	Created By	Subject	Description	Long Description
10/19/17	WORKORDER	MPOLLARD		switch inspection	1) 3 9 ' ties have switch plates digging into them east and west rails . 2) I J missing bolt . 3) 3 loose bolts on a standard joint . 4) west side of frog point showing wear . 5) Guard rail has 3 loose bolts and 2 broken washers . inspection complete .

Work Order Details (Tr)

Org ID: MTA
Site: LTRAIL

WO # 3107991 Semi Annual Switch Inspection

Actual Labor

Task ID	Craft	Skill Level	Labor	Component	Position	Reason for Repair	Work Accomplishec	Part Failure Warranty	Contract Num	Regular Hours	Premiun Hours	Line Cost
10	AREPAIR		GLAM				10	N		00:00	01:15	49.29
10	AREPAIR		MPOLLAF				10	N		00:00	01:15	49.29
											Total Actual Labor:	98.58

Work Order Details (Tr)

Org ID: MTA
Site: LTRAIL

WO # 3107991 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# 310 7991

Date 10-19-11 Inspection Crew Billard Lam

1. Location: _____
2. Switch ID# 94-31
3. Facing L Trailing _____ Flagman _____

Rail Points

4. Point to Point 51 1/4
5. Point Condition
   S Y R
6. Point Throw Nothing less than 4" or greater than 5" Min 3 ½ "on house top point protector
   N 4 3/4 R _____
7. Point opening
   N 5 R _____
8. Fit
   S Y R
9. General Condition of the points
   S Y R

Gage

10. Heel of Switch
    a. Main 56 3/4
    b. Turnout 56 1/8
11. Gage ahead of Bend 56 1/2

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 1/4

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 1 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 ½" Max allowed 1 1/2 " 40 MPH
    R= 1 1/2" TO 1¾" 12 MPH Greater than 1 ¾" 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 _____ 1 _____ 2 _____ Yard _____ WO# 3107991

Date 10-19-17 Inspection Crew Pollard Lam

1. Location: _____
2. Switch ID# G4-3A
3. Facing _____ Trailing _____ Flagman _____

44. Frog Tread N (S) Y R
R (S) Y R
45. Frog Number # 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 _____
50. Flangeway Depth _____
Flangeway Depth must not be less than 1/2"

Gage

51. Main Track 56 1/8
52. Turnout Track 56 3/4
Gage must not be less than 56" for any Class

Guard Rails

53. Guard Rail Gage N 54 3/4 R 53 N/A
Guard Rail Gage must be less than 54 3/8"
54. Back to back N 52 1/2 R 51 3/4 N/A
Back to Back must be less than 53 1/8"
55. Condition
(S) Y R
56. Location of Guard Rail (Relation to Point)
(S) Y R

Guard Rail Clamps

57. Main Track
S Y R (N/A)
58. Turnout Track
S Y R (N/A)

Class 1 Gage 56" to 57 ½"
More than 57 1/2 " Out of Service

Class 3 Gage 56" to 57"
More than 57" to 57 ¼" downgrade to

Class 2 and gets a Y

Remarks on page 3

Turnout Ties

59. Conditions
(S) Y R N/A
60. Rail Movement
(S) Y R N/A

Tie Plates

61. Lead
S Y R N/A
62. Guard Rail Flangeway
S Y R N 2 R _____
Guard Rail Flangeway cannot be less 1 ½"
63. Guard Rail Plates
S Y R N/A
64. Frog Plates
S Y R N/A

Bolts

65. Loose 3 N/A
66. Missing 0 N/A

Rivets

67. Loose _____ N/A
68. Missing _____ N/A
69. Nuts Missing _____ N/A
70. Cotter Pins Missing _____ N/A
71. Washers OK Broken 2 Missing _____
72. Hold Down Devices
(S) 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 # 94-3A Date 10-19-17 WO # 3107991

3 9' ties with switchplates have dog into them
East + west Rails
1 J missing a bolt
3 loose bolts on standard joint.
west side of Frog Point showing wear
Chipped and pitted in the throat area
guard rail 3 loose bolts 2 broken washers

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: [signature] Date: 10/29/17