Mainline **Switch Inspection Report Semi-Annual** WO# 1007637

Date 3-27-2013 **Inspection Crew** Pollard - Nelson

Watchman _____

1 Location _____

2 Switch I.D. # 658-3A

3 Facing _____ Trailing _____

Rail Points

4 Point to Point 51 1/8

5 Point Condition

S Y R

6 Point Throw, **Nothing less than 4 inches or greater than 5 inches. Min 3 1/2 inches on house top point protected**

N 4 7/8 R 4 7/8

6a Point Opening

N 5 1/4 R 5 1/4

7 Fit

S Y R

8 General Condition of the Points

S Y R

Gage

Heel of Switch

9 Main 56 1/2

10 Turnout 56 3/8

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

Turnout 6 1/4

13 Main 6 3/8

Stock Rail

14 Bend

S Y R

15 Condition

S Y R

Bolts

16 Loose 0 N/A

17 Missing 0 N/A

Rivets (Huck Bolts)

18 Loose 0 N/A

19 Missing 0 N/A

20 Cotter Pins Missing 0 N/A

21 Jam Nuts Loose 0 N/A

21a Washers Ok Broken____ Missing____

Remarks on page 3

GMJC 11-10-2011

22 Standard Joints

S Y R N/A

23 Switch Plates

S Y R

24 Adjustable Braces

S Y R N/A

24a Non-Adjustable Braces

S Y R N/A

Switch Rods

25 Front Rod

S Y R N/A

26 #1 Rod (Basket Rod)

S Y R

27 #2 Rod

S Y R

28 #3 Rod

S Y R N/A

29 #4 Rod

S Y R N/A

30 Closure Rail

S Y R

31 Surface of Switch

S Y R

Using a 62' cord, not over 1" to 1 1/2" for a Y and no more than 1 1/2" to 1 3/4" For a R, Great than 13/4" is Out of Service

32 Head Block Ties

S Y R

33 Switch Adjustments

Yes No

34 Lubrication

Ok Dry

35 Switch Targets/Lamps

Ok Missing____ N/A

36 Latches

Ok Broken____ Missing____

37 Locks

Ok Broken____ Missing____

38 General Condition

S Y R

39 Insulated Joints

S Y R

39a Regular Joints

S Y R N/A

Mainline

Frog Inspection Report Semi-Annual

50 Location _____
50a Switch I.D. # 65P-31
51 Facing Trailing
52 Frog Tread N S Y R
R S Y R
53 Frog # 10
54/79 Point Condition
S Y R
55 Condition of Frog
S Y R
56 Surface of Frog
S Y R

57 Throat in Inches 3 3/8
72 Flangeway Depth 2
Flangeway Depth must not be less than 1 ½"
Gage
58 Main Track 56 9/16
59 Turnout Track 56 9/16
Gage must not be less than 56" any class
Guard Rails
60 Guard Rail Gage N 54 11/16 R 54 11/16
Guard Rail Gage must more than 54 3/8"
61 Back To Back N _____ R _____
Back to Back Gage must be less than 53 1/8"
62 Condition
S Y R
63 Location of Guard Rail (Relation to Point)
S Y R
Guard Rail Clamps
64 Main Track
S Y R N/A
65 Turnout Track
S Y R N/A

Class 1 Gage 56" to 57 ½"
More than 57 ½" Out of Service
Class 3 Gage 56" to 57"
More than 57" to 57 ¼" downgrade to Class 2 and gets a Y

Turnout Ties
66 Condition
S Y R N/A
67 Rail Movement
S Y R N/A
Tie Plates
68 Lead
S Y R N/A
69 Guard Rail Flangeway
S Y R N 1 3/8 R 1 15/16
Guard Rail Flangeway can not be less 1 ½"
70 Guard Rail Plates
S Y R N/A
71 Frog Plates
S Y R N/A

Bolts
73 Loose 0 N/A
74 Missing 0 N/A

Rivets (Huck)
75 Loose 0 N/A
76 Missing 0 N/A
77 Nuts Missing 0 N/A
78 Cotter Pins Missing _____ N/A
79 Washers Ok Broken___ Missing___ N/A

80 Hold Down Devices
S Y R N/A
81 Spring Housing
S Y R N/A
82 Derails
S Y R N/A
83 **Maximum difference in any 31' in Cross Level on the siding from the Frog Point to 50' beyond the last long tie**
Ok Difference 1/8"

84 Condition of Line thru entire turnout
S Y R

Remarks on page 3

GM/JC 11-10-2011

Remarks

Switch inspection complete

No New defects Found

All rules come out of the MTA Field Guide for Track Inspectors updated April 2006 edition.
Everything is class 3 for Mainline and class 1 for the Yard.
S Everything is in Specs.
Y Attention needed.
R Immediate attention needed or Out of Service.
N/A Not applicable or not measurable.

Reviewed by: M Boyle Date: 4-2-13

Mainline **Switch Inspection Report Semi-Annual** WO# 1007641

Date 3/27/13 **Inspection Crew** T SCHISLER, G LAM
Watchman W BRYANT
1 Location TIMONIUM
2 Switch I.D. # 658 1A
3 Facing X Trailing ____

Rail Points
4 Point to Point 51 3/8
5 Point Condition
S Y R
6 Point Throw. **Nothing less than 4 inches or greater than 5 inches. Min 3 1/2 inches on house top point protected**
N 4 5/8 R 4 5/8
6a Point Opening
N 5 R 5
7 Fit
(S) Y R
8 General Condition of the Points
(S) Y R

Gage
Heel of Switch
9 Main 56 5/8
10 Turnout 56 5/8
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
Turnout 6 1/4
13 Main 6 1/4

Stock Rail
14 Bend
(S) Y R
15 Condition
(S) Y R

Bolts
16 Loose 0 N/A
17 Missing 0 N/A

Rivets (Huck Bolts)
18 Loose 0 N/A
19 Missing 0 N/A
20 Cotter Pins Missing 0 N/A
21 Jam Nuts Loose 0 N/A
21a Washers (Ok) Broken ____ Missing ____

Remarks on page 3

22 Standard Joints
(S) Y R N/A
23 Switch Plates
(S) Y R
24 Adjustable Braces
(S) Y R N/A
24a Non-Adjustable Braces
S Y R (N/A)

Switch Rods
25 Front Rod
(S) Y R N/A
26 #1 Rod (Basket Rod)
(S) Y R
27 #2 Rod
(S) Y R
28 #3 Rod
(S) Y R N/A
29 #4 Rod
(S) Y R N/A
30 Closure Rail
(S) Y R
31 Surface of Switch
(S) Y R
Using a 62' cord, not over 1" to 1 1/2" for a Y and no more than 1 1/2" to 1 3/4". For a R, Great than 13/4" is Out of Service
32 Head Block Ties
(S) Y R
33 Switch Adjustments
Yes (No)
34 Lubrication
(Ok) Dry
35 Switch Targets/Lamps
Ok Missing ____ (N/A)
36 Latches
(Ok) Broken ____ Missing ____
37 Locks
(Ok) Broken ____ Missing ____
38 General Condition
(S) Y R
39 Insulated Joints
(S) Y R
39a Regular Joints
(S) Y R N/A

GM JC 11-10-2011

50 Location _____
50a Switch I.D. # _____
51 Facing Trailing
52 Frog Tread N (S) Y R
R (S) Y R
53 Frog # 10
54/79 Point Condition
S Y R
55 Condition of Frog
(S) Y R
56 Surface of Frog
(S) Y R

57 Throat in Inches 3 1/4
72 Flangeway Depth 2
Flangeway Depth must not be less than 1 ½"
Gage
58 Main Track 56 1/2
59 Turnout Track 56 5/8
Gage must not be less than 56" any class
Guard Rails
60 Guard Rail Gage N 54 5/8 R 54 3/4
Guard Rail Gage must more than 54 3/8"
61 Back To Back N 52 5/8 R 52 7/8
Back to Back Gage must be less than 53 1/8"
62 Condition
(S) Y R
63 Location of Guard Rail (Relation to Point)
(S) Y R
Guard Rail Clamps
64 Main Track
(S) Y R N/A
65 Turnout Track
(S) Y R N/A

Class 1 Gage 56" to 57 ½"
More than 57 ½" 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

GM/JC 11-10-2011

Turnout Ties
66 Condition
(S) Y R N/A
67 Rail Movement
(S) Y R N/A
Tie Plates
68 Lead
(S) Y R N/A
69 Guard Rail Flangeway
(S) Y R N 1 7/8 R 1 7/8
Guard Rail Flangeway can not be less 1 ½"
70 Guard Rail Plates
(S) Y R N/A
71 Frog Plates
(S) Y R N/A

Bolts
73 Loose 0 N/A
74 Missing 0 N/A

Rivets (Huck)
75 Loose 0 N/A
76 Missing 0 **N/A**
77 Nuts Missing 0 N/A
78 Cotter Pins Missing 0 **N/A**
79 Washers (Ok) Broken___ Missing___ N/A

80 Hold Down Devices
(S) Y R N/A
81 Spring Housing
S Y R N/A
82 Derails
S Y R N/A
83 **Maximum difference** in any 31' in **Cross Level** on the siding from the Frog Point to 50' beyond the last long tie
(Ok) Difference_____

84 Condition of Line thru entire turnout
(S) Y R

Remarks

NEED TO CLEAN LEAVES AWAY FROM SWITCH Heaters – FIRE HAZARD
ALSO AROUND FROG & GUARD RAIL AREAS

All rules come out of the MTA Field Guide for Track Inspectors updated April 2006 edition.
Everything is class 3 for Mainline and class 1 for the Yard.
S Everything is in Specs.
Y Attention needed.
R Immediate attention needed or Out of Service.
N/A Not applicable or not measurable.

Reviewed by: M. Boyle Date: 4-2-13

Mainline **Switch Inspection Report Semi-Annual** WO# 1007761

Date 3/27/13 **Inspection Crew** T SCHISLER, G LAM

Watchman W BRYANT

1 Location TEXAS - NORTH

2 Switch I.D. # 713 - 1A

3 Facing _____ Trailing X

Rail Points

4 Point to Point 51 3/8

5 Point Condition

(S) Y R

6 Point Throw, **Nothing less than 4 inches or greater than 5 inches. Min 3 1/2 inches on house top point protected**

N 4 3/4 R 4 3/4

6a Point Opening

N 5 1/4 R 5 3/4

7 Fit

(S) Y R

8 General Condition of the Points

(S) Y R

Gage

Heel of Switch

9 Main 56 1/2

10 Turnout 56 5/8

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

Turnout 6 1/4

13 Main 6 1/4

Stock Rail

14 Bend

(S) Y R

15 Condition

(S) Y R

Bolts

16 Loose 0 N/A

17 Missing 0 N/A

Rivets (Huck Bolts)

18 Loose 0 N/A

19 Missing 0 N/A

20 Cotter Pins Missing 0 N/A

21 Jam Nuts Loose 0 N/A

21a Washers (Ok) Broken____ Missing____

Remarks on page 3

GM.JC 11-10-2011

22 Standard Joints

(S) Y R N/A

23 Switch Plates

(S) Y R

24 Adjustable Braces

(S) Y R N/A

24a Non-Adjustable Braces

S Y R (N/A)

Switch Rods

25 Front Rod

(S) Y R N/A

26 #1 Rod (Basket Rod)

(S) Y R

27 #2 Rod

(S) Y R

28 #3 Rod

(S) Y R N/A

29 #4 Rod

(S) Y R N/A

30 Closure Rail

(S) Y R

31 Surface of Switch

(S) Y R

Using a 62' cord, not over 1" to 1 1/2" for a Y and no more than 1 1/2" to 1 3/4" For a R, Great than 13/4" is Out of Service

32 Head Block Ties

(S) Y R

33 Switch Adjustments

Yes (No)

34 Lubrication

(Ok) Dry

35 Switch Targets/Lamps

Ok Missing____ (N/A)

36 Latches

(Ok) Broken____ Missing____

37 Locks

(Ok) Broken____ Missing____

38 General Condition

(S) Y R

39 Insulated Joints

(S) Y R

39a Regular Joints

(S) Y R

Mainline

Frog Inspection Report Semi-Annual

50 Location _____
50a Switch I.D. # _____
51 Facing Trailing
52 Frog Tread N (S) Y R
R (S) Y R
53 Frog # 10
54/79 Point Condition
(S) Y R
55 Condition of Frog
(S) Y R
56 Surface of Frog
(S) Y R

57 Throat in Inches 3 1/4
72 Flangeway Depth 2
Flangeway Depth must not be less than 1 ½"
Gage
58 Main Track 56 5/8
59 Turnout Track 56 5/8
Gage must not be less than 56" any class
Guard Rails
60 Guard Rail Gage N 54 3/4 R 54 5/8
Guard Rail Gage must more than 54 3/8"
61 Back To Back N 52 7/8 R 52 5/8
Back to Back Gage must be less than 53 1/8"
62 Condition
(S) Y R
63 Location of Guard Rail (Relation to Point)
(S) Y R
Guard Rail Clamps
64 Main Track
(S) Y R N/A
65 Turnout Track
(S) Y R N/A

Class 1 Gage 56" to 57 ½"
More than 57 ½" Out of Service
Class 3 Gage 56" to 57"
More than 57" to 57 ¼" downgrade to Class 2 and gets a Y

Turnout Ties
66 Condition
(S) Y R N/A
67 Rail Movement
(S) Y R N/A
Tie Plates
68 Lead
(S) Y R N/A
69 Guard Rail Flangeway
S Y R N 1 7/8 R 1 7/8
Guard Rail Flangeway can not be less 1 ½"
70 Guard Rail Plates
(S) Y R N/A
71 Frog Plates
(S) Y R N/A

Bolts
73 Loose 0 N/A
74 Missing 0 N/A

Rivets (Huck)
75 Loose 0 N/A
76 Missing 0 N/A
77 Nuts Missing 0 N/A
78 Cotter Pins Missing 0 N/A
79 Washers (Ok) Broken___ Missing___ N/A

80 Hold Down Devices
(S) Y R N/A
81 Spring Housing
S Y R (N/A)
82 Derails
S Y R (N/A)
83 **Maximum difference in any 31' in Cross Level on the siding from the Frog Point to 50' beyond the last long tie**
(Ok) Difference _____

84 Condition of Line thru entire turnout
(S) Y R

Remarks on page 3

GM/JC 11-10-2011

Remarks

All rules come out of the MTA Field Guide for Track Inspectors updated April 2006 edition.
Everything is class 3 for Mainline and class 1 for the Yard.
S Everything is in Specs.
Y Attention needed.
R Immediate attention needed or Out of Service.
N/A Not applicable or not measurable.

Reviewed by: M. Bauer Date: 4-1-13

Mainline 2 **Switch Inspection Report Semi-Annual** WO# 1015222

Date 3-28-2013 **Inspection Crew** Pollard, Nelson, Lam

Watchman Greenwood

1 Location

2 Switch I.D. # 535 13

3 Facing ____ Trailing ✓

Rail Points

4 Point to Point 51 1/8

5 Point Condition

(S) Y R

Nothing less than 4 inches or greater than 5 inches.

6 Point Throw, **Min 3 1/2 inches on house top point protected**

N 5 R 5

6a Point Opening

N 5 3/8 R 5 3/8

7 Fit

(S) Y R

8 General Condition of the Points

(S) Y R

Gage

Heel of Switch

9 Main 56 5/8

10 Turnout 56 1/4

11 Gage ahead of Bend 56 9/16

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

12 Heel Spread in Inches

Turnout 6 1/4

13 Main 6 7/16

Stock Rail

14 Bend

(S) Y R

15 Condition

(S) Y R

Bolts

16 Loose 0 N/A

17 Missing 0 N/A

Rivets (Huck Bolts)

18 Loose 0 N/A

19 Missing 0 N/A

20 Cotter Pins Missing 0 N/A

21 Jam Nuts Loose 0 N/A

21a Washers (Ok) Broken____ Missing____

Remarks on page 3

GM JC 11-10-2011

22 Standard Joints

(S) Y R N/A

23 Switch Plates

(S) Y R

24 Adjustable Braces

(S) Y R N/A

24a Non-Adjustable Braces

S Y R (N/A)

Switch Rods

25 Front Rod

(S) Y R N/A

26 #1 Rod (Basket Rod)

S (Y) R

27 #2 Rod

(S) Y R

28 #3 Rod

(S) Y R N/A

29 #4 Rod

(S) Y R N/A

30 Closure Rail

(S) Y R

31 Surface of Switch

(S) Y R

Using a 62' cord, not over 1" to 1 1/2" for a Y and no more than 1 1/2" to 1 3/4". For a R, Great than 13/4" is Out of Service

32 Head Block Ties

(S) Y R

33 Switch Adjustments

Yes (No)

34 Lubrication

(Ok) Dry

35 Switch Targets/Lamps

Ok Missing____ (N/A)

36 Latches

(Ok) Broken____ Missing____

37 Locks

(Ok) Broken____ Missing____

38 General Condition

(S) Y R

39 Insulated Joints

(S) Y R

39a Regular Joints

S Y R (N/A)

50 Location _____
50a Switch I.D. # 537-1B
51 Facing Trailing
52 Frog Tread N S Y R
R S Y R
53 Frog # 10
54/79 Point Condition
S Y R
55 Condition of Frog
S Y R
56 Surface of Frog
S Y R

57 Throat in Inches 3 1/4
72 Flangeway Depth 2
Flangeway Depth must not be less than 1 ½"
Gage
58 Main Track 56 1/2
59 Turnout Track 56 3/4
Gage must not be less than 56" any class
Guard Rails
60 Guard Rail Gage N 54 5/8 R 54 15/16
Guard Rail Gage must more than 54 3/8"
61 Back To Back N 52 1/8 R 52 15/16
Back to Back Gage must be less than 53 1/8"
62 Condition
S Y R
63 Location of Guard Rail (Relation to Point)
S Y R
Guard Rail Clamps
64 Main Track
S Y R N/A
65 Turnout Track
S Y R N/A

Class 1 Gage 56" to 57 ½"
More than 57 ½" 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

GM/JC 11-10-2011

Turnout Ties
66 Condition
S Y R N/A
67 Rail Movement
S Y R N/A
Tie Plates
68 Lead
S Y R N/A
69 Guard Rail Flangeway
S Y R N 1 3/4 R 1 11/16
Guard Rail Flangeway can not be less 1 ½"
70 Guard Rail Plates
S Y R N/A
71 Frog Plates
S Y R N/A

Bolts
73 Loose 0 N/A
74 Missing 0 N/A

Rivets (Huck)
75 Loose 0 N/A
76 Missing 0 N/A
77 Nuts Missing 0 N/A
78 Cotter Pins Missing _____ N/A
79 Washers Ok Broken___ Missing___ N/A

80 Hold Down Devices
S Y R N/A
81 Spring Housing
S Y R N/A
82 Derails
S Y R N/A
83 **Maximum difference** in any 31' in **Cross Level** on the siding from the Frog Point to 50' beyond the last long tie
Ok Difference 1/8

84 Condition of Line thru entire turnout
S Y R

Remarks

1st Basket rod rubbing against tie
3rd Rod rubbing against tie

No New defects noted

All rules come out of the MTA Field Guide for Track Inspectors updated April 2006 edition.
Everything is class 3 for Mainline and class 1 for the Yard.
S Everything is in Specs.
Y Attention needed.
R Immediate attention needed or Out of Service.
N/A Not applicable or not measurable.

Reviewed by: M. Boyle Date: 4-2-13

Mainline 2 **Switch Inspection Report Semi-Annual** WO# 1015226

Date 3-28-2013 **Inspection Crew** Pollard, Nelson Lam

Watchman Greenwood Bryant

1 Location

2 Switch I.D. # 535-36

3 Facing ✓ Trailing

Rail Points

4 Point to Point 51 1/8

5 Point Condition

S Y R

Nothing less than 4 inches or greater than 5 inches.

6 Point Throw. **Min 3 1/2 inches on house top point protected**

N 5 R 5

6a Point Opening

N 5 3/8 R 5 3/8

7 Fit

S Y R

8 General Condition of the Points

S Y R

Gage

Heel of Switch

9 Main 56 5/8

10 Turnout 56 1/2

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

Turnout 6 1/8

13 Main 6 3/8

Stock Rail

14 Bend

S Y R

15 Condition

S Y R

Bolts

16 Loose 0 N/A

17 Missing 0 N/A

Rivets (Huck Bolts)

18 Loose 0 N/A

19 Missing 0 N/A

20 Cotter Pins Missing 0 N/A

21 Jam Nuts Loose 0 N/A

21a Washers Ok Broken____ Missing____

Remarks on page 3

GM JC 11-10-2011

22 Standard Joints

S Y R N/A

23 Switch Plates

S Y R

24 Adjustable Braces

S Y R N/A

24a Non-Adjustable Braces

S Y R N/A

Switch Rods

25 Front Rod

S Y R N/A

26 #1 Rod (Basket Rod)

S Y R

27 #2 Rod

S Y R

28 #3 Rod

S Y R N/A

29 #4 Rod

S Y R N/A

30 Closure Rail

S Y R

31 Surface of Switch

S Y R

Using a 62' cord, not over 1" to 1 1/2" for a Y and no more than 1 1/2" to 1 3/4". For a R, Great than 13/4" is Out of Service

32 Head Block Ties

S Y R

33 Switch Adjustments

Yes No

34 Lubrication

Ok Dry

35 Switch Targets/Lamps

Ok Missing____ N/A

36 Latches

Ok Broken____ Missing____

37 Locks

Ok Broken____ Missing____

38 General Condition

S Y R

39 Insulated Joints

S Y R

39a Regular Joints

S Y R N/A

50 Location _____
50a Switch I.D. # 535-7B
51 Facing Trailing
52 Frog Tread N S Y R
R S Y R
53 Frog # 10
54/79 Point Condition
S Y R
55 Condition of Frog
S Y R
56 Surface of Frog
S Y R

57 Throat in Inches 3 1/4
72 Flangeway Depth 2
Flangeway Depth must not be less than 1 ½"
Gage
58 Main Track 56 1/2
59 Turnout Track 56 3/4
Gage must not be less than 56" any class
Guard Rails
60 Guard Rail Gage N 54 5/8 R 54 3/4
Guard Rail Gage must more than 54 3/8"
61 Back To Back N 52 7/8 R 52 7/8
Back to Back Gage must be less than 53 1/8"
62 Condition
S Y R
63 Location of Guard Rail (Relation to Point)
S Y R
Guard Rail Clamps
64 Main Track
S Y R N/A
65 Turnout Track
S Y R N/A

Class 1 Gage 56" to 57 ½"
More than 57 ½" 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

GM/JC 11-10-2011

Turnout Ties
66 Condition
S Y R N/A
67 Rail Movement
S Y R N/A
Tie Plates
68 Lead
S Y R N/A
69 Guard Rail Flangeway
S Y R N 1 3/4 R 1 7/8
Guard Rail Flangeway can not be less 1 ½"
70 Guard Rail Plates
S Y R N/A
71 Frog Plates
S Y R N/A

Bolts
73 Loose 0 N/A
74 Missing 0 N/A

Rivets (Huck)
75 Loose 0 N/A
76 Missing 0 N/A
77 Nuts Missing 0 N/A
78 Cotter Pins Missing _____ N/A
79 Washers Ok Broken___ Missing___ N/A

80 Hold Down Devices
S Y R N/A
81 Spring Housing
S Y R N/A
82 Derails
S Y R N/A
83 **Maximum difference** in any 31' in **Cross Level** on the siding from the Frog Point to 50' beyond the last long tie
Ok Difference 1/8"

84 Condition of Line thru entire turnout
S Y R

Remarks

Switch inspection complete

No new defects found

All rules come out of the MTA Field Guide for Track Inspectors updated April 2006 edition.
Everything is class 3 for Mainline and class 1 for the Yard.
S Everything is in Specs.
Y Attention needed.
R Immediate attention needed or Out of Service.
N/A Not applicable or not measurable.

Reviewed by: M. Boyle Date: 4-2-13

Mainline **Switch Inspection Report Semi-Annual** WO# 1015220 **Page 1 of 3**

Date 3-28-2013 **Inspection Crew** Pollard-Nelson Lam

Watchman Greenwood Bryant

1 Location

2 Switch I.D. # 535-1A

3 Facing _____ Trailing _____

Rail Points

4 Point to Point 51 1/2

5 Point Condition

S Y R

6 Point Throw. **Nothing less than 4 inches or greater than 5 inches. Min 3 1/2 inches on house top point protected**

N 4 1/16 R 4 1/16

6a Point Opening

N 5 R 5

7 Fit

S Y R

8 General Condition of the Points

S Y R

Gage

Heel of Switch

9 Main 56 9/16

10 Turnout 56 3/8

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

Turnout 6 1/4

13 Main 6 5/16

Stock Rail

14 Bend

S Y R

15 Condition

S Y R

Bolts

16 Loose 0 N/A

17 Missing 0 N/A

Rivets (Huck Bolts)

18 Loose 0 N/A

19 Missing 0 N/A

20 Cotter Pins Missing 0 N/A

21 Jam Nuts Loose 0 N/A

21a Washers Ok Broken____ Missing____

Remarks on page 3

GM JC 11-10-2011

22 Standard Joints

S Y R N/A

23 Switch Plates

S Y R

24 Adjustable Braces

S Y R N/A

24a Non-Adjustable Braces

S Y R N/A

Switch Rods

25 Front Rod

S Y R N/A

26 #1 Rod (Basket Rod)

S Y R

27 #2 Rod

S Y R

28 #3 Rod

S Y R N/A

29 #4 Rod

S Y R N/A

30 Closure Rail

S Y R

31 Surface of Switch

S Y R

Using a 62' cord, not over 1" to 1 1/2" for a Y and no more than 1 1/2" to 1 3/4". For a R, Great than 13/4" is Out of Service

32 Head Block Ties

S Y R

33 Switch Adjustments

Yes No

34 Lubrication

Ok Dry

35 Switch Targets/Lamps

Ok Missing____ N/A

36 Latches

Ok Broken____ Missing____

37 Locks

Ok Broken____ Missing____

38 General Condition

S Y R

39 Insulated Joints

S Y R

39a Regular Joints

S Y R N/A

50 Location _____
50a Switch I.D. # 535-1H
51 Facing Trailing
52 Frog Tread N S Y R
R S Y R
53 Frog # 10
54/79 Point Condition
S Y R
55 Condition of Frog
S Y R
56 Surface of Frog
S Y R

57 Throat in Inches 3 5/16
72 Flangeway Depth 2 1/4
Flangeway Depth must not be less than 1 ½"
Gage
58 Main Track 56 1/2
59 Turnout Track 56 5/8
Gage must not be less than 56" any class
Guard Rails
60 Guard Rail Gage N 54 3/4 R 54 3/4
Guard Rail Gage must more than 54 3/8"
61 Back To Back N 52 13/16 R 52 7/8
Back to Back Gage must be less than 53 1/8"
62 Condition
S Y R
63 Location of Guard Rail (Relation to Point)
S Y R
Guard Rail Clamps
64 Main Track
S Y R N/A
65 Turnout Track
S Y R N/A

Class 1 Gage 56" to 57 ½"
More than 57 ½" 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

GM/JC 11-10-2011

Turnout Ties
66 Condition
S Y R N/A
67 Rail Movement
S Y R N/A
Tie Plates
68 Lead
S Y R N/A
69 Guard Rail Flangeway
S Y R N 1 5/8 R 1 7/8
Guard Rail Flangeway can not be less 1 ½"
70 Guard Rail Plates
S Y R N/A
71 Frog Plates
S Y R N/A

Bolts
73 Loose 0 N/A
74 Missing 0 N/A

Rivets (Huck)
75 Loose 0 N/A
76 Missing 0 N/A
77 Nuts Missing 0 N/A
78 Cotter Pins Missing _____ N/A
79 Washers Ok Broken___ Missing___ N/A

80 Hold Down Devices
S Y R N/A
81 Spring Housing
S Y R N/A
82 Derails
S Y R N/A
83 **Maximum difference** in any 31' in **Cross Level** on the siding from the Frog Point to 50' beyond the last long tie
Ok Difference 1/8

84 Condition of Line thru entire turnout
S Y R

Remarks

16 ties pumping

Switch inspection complete

All rules come out of the MTA Field Guide for Track Inspectors updated April 2006 edition.
Everything is class 3 for Mainline and class 1 for the Yard.
S Everything is in Specs.
Y Attention needed.
R Immediate attention needed or Out of Service.
N/A Not applicable or not measurable.

Reviewed by: M. Boyle Date: 4-2-13

Mainline **Switch Inspection Report Semi-Annual** WO# 1015224

Date 3-28-2013 **Inspection Crew** Pollard - Nelson Lam

Watchman Greenwood Bryant

1 Location

2 Switch I.D. # 535 34

3 Facing ✓ Trailing

Rail Points

4 Point to Point 51 3/8

5 Point Condition

(S) Y R

6 Point Throw. **Nothing less than 4 inches or greater than 5 inches. Min 3 1/2 inches on house top point protected**

N 4 3/8 R 4 3/8

6a Point Opening

N 5 1/4 R 5 1/4

7 Fit

(S) Y R

8 General Condition of the Points

(S) Y R

Gage

Heel of Switch

9 Main 56 1/2

10 Turnout 56 1/2

11 Gage ahead of Bend 56 9/16

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

12 Heel Spread in Inches

Turnout 6 1/4

13 Main 6 1/4

Stock Rail

14 Bend

(S) Y R

15 Condition

(S) Y R

Bolts

16 Loose 0 N/A

17 Missing 0 N/A

Rivets (Huck Bolts)

18 Loose 0 N/A

19 Missing 0 N/A

20 Cotter Pins Missing 0 N/A

21 Jam Nuts Loose 0 N/A

21a Washers (Ok) Broken____ Missing____

Remarks on page 3

GM JC 11-10-2011

22 Standard Joints

(S) Y R N/A

23 Switch Plates

(S) Y R

24 Adjustable Braces

(S) Y R N/A

24a Non-Adjustable Braces

S Y R (N/A)

Switch Rods

25 Front Rod

(S) Y R N/A

26 #1 Rod (Basket Rod)

(S) Y R

27 #2 Rod

(S) Y R

28 #3 Rod

(S) Y R N/A

29 #4 Rod

(S) Y R N/A

30 Closure Rail

(S) Y R

31 Surface of Switch

(S) Y R

Using a 62' cord, not over 1" to 1 1/2" for a Y and no more than 1 1/2" to 1 3/4". For a R, Great than 13/4" is Out of Service

32 Head Block Ties

(S) Y R

33 Switch Adjustments

Yes (No)

34 Lubrication

(Ok) Dry

35 Switch Targets/Lamps

Ok Missing____ (N/A)

36 Latches

(Ok) Broken____ Missing____

37 Locks

(Ok) Broken____ Missing____

38 General Condition

(S) Y R

39 Insulated Joints

(S) Y R

39a Regular Joints

S Y R (N/A)

50 Location _____
50a Switch I.D. # 535 3A
51 Facing Trailing
52 Frog Tread N S Y R
R S Y R
53 Frog # 10
54/79 Point Condition
S Y R
55 Condition of Frog
S Y R
56 Surface of Frog
S Y R

57 Throat in Inches 3 1/4
72 Flangeway Depth 2
Flangeway Depth must not be less than 1 ½"
Gage
58 Main Track 56 5/8
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63 Location of Guard Rail (Relation to Point)
S Y R
Guard Rail Clamps
64 Main Track
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65 Turnout Track
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GM/JC 11-10-2011

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Guard Rail Flangeway can not be less 1 ½"
70 Guard Rail Plates
S Y R N/A
71 Frog Plates
S Y R N/A

Bolts
73 Loose 8 N/A
74 Missing 8 N/A

Rivets (Huck)
75 Loose 0 N/A
76 Missing 0 N/A
77 Nuts Missing 0 N/A
78 Cotter Pins Missing _____ N/A
79 Washers Ok Broken___ Missing___ N/A

80 Hold Down Devices
S Y R N/A
81 Spring Housing
S Y R N/A
82 Derails
S Y R N/A
83 **Maximum difference** in any 31' in **Cross Level** on the siding from the Frog Point to 50' beyond the last long tie
Ok Difference_____

84 Condition of Line thru entire turnout
S Y R

Remarks

Switch inspection complete

No new defects Found

All rules come out of the MTA Field Guide for Track Inspectors updated April 2006 edition.
Everything is class 3 for Mainline and class 1 for the Yard.
S Everything is in Specs.
Y Attention needed.
R Immediate attention needed or Out of Service.
N/A Not applicable or not measurable.

Reviewed by: M. Boyle Date: 4-2-13