Mainline Switch Inspection Report Semi-Annual

Date 12/16/13
Watchman D BYRD
1 Location HAMBURG
2 Switch ID #: A# 1A
3 Facing ✓ Trailing

Rail Points
4 Point to Point 5 1/4"
5 Point Condition
6 Point Throw: Min 3 1/2 inches on house top point protected
6a Point Opening

7 Fit
8 General Condition of the Points
9 Gage
Heel of Switch
10 Main 5 1/2"
11 Gage ahead of Bend 5 1/2"
Must not be less than 56 inches or more than 57 inches for “S”
12 Heel Spread in Inches
13 Main G/4"

Stock Rail
14 Bend
15 Condition

Bolts
16 Loose N/A
17 Missing N/A

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

Switch Rods
25 Front Rod
26 #1 Rod (Basket Rod)
27 #2 Rod
28 #3 Rod
29 #4 Rod
30 Closure Rail
31 Surface of Switch
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, Greater than 13/4" is Out of Service
32 Head Block Ties
33 Switch Adjustments
34 Lubrication

35 Switch Targets/Lamps
36 Latches

37 Locks
38 General Condition
39 Insulated Joints
39a Regular Joints

Remarks on page 3
CMLJC 11-10-2011
Mainline

50 Location
50a Switch I.D. # ________________
51 Facing Trailing
52 Frog Tread N $YR
R $YR
53 Frog # __________
54/79 Point Condition $YR
55 Condition of Frog $YR
56 Surface of Frog $YR
57 Throat in Inches ______
72 Flangeway Depth ______
Flangeway Depth must not be less than 1 1/4"

Gage
58 Main Track $6 3/4
59 Turnout Track $7 1/2
Gage must not be less than 56" any class

Guard Rails
60 Guard Rail Gage N $4 1/2 3/8 7/8 R $4 3/4
Guard Rail Gage must more than 54 3/8"
61 Back To Back N $2 1/2 3/8 7/8 R $2 3/4
Back to Back Gage must be less than 53 1/8"
62 Condition $YR
63 Location of Guard Rail (Relation to Point) $YR

Guard Rail Clamps
64 Main Track $YR N/A
65 Turnout Track $YR 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 1/2" downgrade to
Class 2 and gets a Y

Remarks on page 3
GM JC 11-10-2011

Turnout Ties
66 Condition $YR N/A
67 Rail Movement $YR N/A

Tie Plates
68 Lead $YR N/A
69 Guard Rail Flangeway $YR $2 1/2 R $2 3/4
Guard Rail Flangeway can be less 1 1/2"
70 Guard Rail Plates $YR N/A
71 Frog Plates $YR N/A

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

Rivets (Huck)
75 Loose ______ N/A
76 Missing ______ N/A
77 Nuts Missing ______ N/A
78 Cotter Pins Missing ______ N/A
79 Washers Ok Broken Missing N/A

80 Hold Down Devices $YR N/A
81 Spring Housing $YR N/A
82 Derails $YR 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 $YR
HI STE Point Gapped 3/8"  
Rosting in front of point 3/8" undergauge  
Trash in point - Fire Hazard  
Point (face) Stanton to Mt  
Stressing (½ft) Rattner to End Park  

Everything is class 3 for Mainline and class 1 for the Yard.  
Everything is in Specs.  
Y Attention needed.  
R Immediate attention needed or Out of Service.  
N/A Not applicable or not measurable.

Reviewed by: [Signature]  
Date: 12-16-13  
11-10-2011
Mainline Switch Inspection Report Semi-Annual

Date: 12/16/13
Watchman: D BYRD

1 Location: CHEERY HILL
2 Switch I D #: 164
3 Facing: Trailing

Rail Points
4 Point to Point: 51 1/4
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 E 5/8
6a Point Opening
N S R 5

7 Fit: S Y R
8 General Condition of the Points: S Y R

Gage
9 Main: 56 1/2
10 Turnout: 51 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

13 Main: 6 5/8

Stock Rail
14 Bend: S Y R
15 Condition: S Y R

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

Rivets (Huck Bolts)
18 Loose: N/A
19 Missing: N/A
20 Cotter Pins Missing: N/A
21 Jam Nuts Loose: 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
**Mainline**  

**Frog Inspection Report Semi-Annual**  

**Page 2 of 3**

50 Location ________________  

50a Switch I.D. # ____________  

51 Facing ____________  

52 Frog Tread  

N  $  Y  R  

R  $  Y  R  

53 Frog #  \(\phi\) ____________  

54/79 Point Condition  

$  Y  R  

55 Condition of Frog  

$  Y  R  

56 Surface of Frog  

$  Y  R  

57 Throat in Inches  \(3 3/4\)  

72 Flangeway Depth  \(3\)  

Flangeway Depth must not be less than 1 3/8"  

**Gage**  

58 Main Track  \(3\)  

59 Turnout Track  \(3\)  

Gage must not be less than 56" any class  

**Guard Rails**  

60 Guard Rail Gage  

N  \(3\)  \(3/4\)  R  \(5\)  \(3/8\)  

Guard Rail Gage must more than 54 3/8"  

61 Back To Back  

N  \(5\)  \(3/4\)  R  \(5\)  \(3/8\)  

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

62 Condition  

$  Y  R  

63 Location of Guard Rail (Relation to Point)  

$  Y  R  

**Guard Rail Clamps**  

64 Main Track  

$  Y  R  N/A  

65 Turnout Track  

$  Y  R  N/A  

**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/A  

Guard Rail Flangeway can not be less 1 1/2"  

70 Guard Rail Plates  

(\(S\)  Y  R  N/A  

71 Frog Plates  

(\(S\)  Y  R  N/A  

**Bolts**  

73 Loose  \(\bigcirc\) N/A  

74 Missing  \(\bigcirc\) N/A  

**Rivets (Huck)**  

75 Loose  \(\bigcirc\) N/A  

76 Missing  \(\bigcirc\) N/A  

77 Nuts Missing  \(\bigcirc\) N/A  

78 Cotter Pins Missing  \(\bigcirc\) N/A  

79 Washers (Ok) Broken Missing N/A  

80 Hold Down Devices  

$  Y  R  N/A  

81 Spring Housing  

$  Y  R  N/A  

82 Derails  

$  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
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: [Signature]  Date: 12-16-13

11-10-2011
**Mainline**

**Switch Inspection Report Semi-Annual**

<table>
<thead>
<tr>
<th>Date</th>
<th>12/16/15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Watchman</td>
<td>D. Brood</td>
</tr>
<tr>
<td>Location</td>
<td>Cherry Hill</td>
</tr>
<tr>
<td>Switch I.D. #</td>
<td>164</td>
</tr>
<tr>
<td>Facing</td>
<td>Trailing</td>
</tr>
</tbody>
</table>

**Rail Points**

4 Point to Point: 51 1/2

5 Point Condition: SYR

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

6a Point Opening: N 4 1/2

7 Fit: SYR

8 General Condition of the Points: SYR

**Gage**

9 Heel of Switch: 56

10 Turnout: 56 1/2

11 Gage ahead of Bend: 56 1/2

Must not be less than 56 inches or more than 56 inches for “S”

12 Heel Spread in Inches: Turnout

13 Main: 6 1/2

**Stock Rail**

14 Bend: SYR

15 Condition: SYR

**Bolts**

16 Loose: N/A

17 Missing: N/A

**Rivets (Huck Bolts)**

18 Loose: N/A

19 Missing: N/A

20 Cotter Pins Missing: N/A

21 Jam Nuts Loose: N/A

21a Washers: Ok

**Remarks on page 3**

GM/RC 11-10-2011

**WO# 1270013**

22 Standard Joints: SYR N/A

23 Switch Plates: SYR

24 Adjustable Braces: SYR N/A

24a Non-Adjustable Braces: SYR N/A

**Switch Rods**

25 Front Rod: SYR N/A

26 #1 Rod (Basket Rod): SYR

27 #2 Rod: SYR

28 #3 Rod: SYR N/A

29 #4 Rod: SYR N/A

30 Closure Rail: SYR

31 Surface of Switch: SYR

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: SYR

33 Switch Adjustments: Yes

34 Lubrication: Ok

35 Switch Targets/Lamps: Ok

36 Latches: Ok

37 Locks: Broken

38 General Condition: SYR

39 Insulated Joints: SYR

39a Regular Joints: SYR
50 Location
50a Switch I.D. # __________
51 Facing ___________________________ Trailing
52 Frog Tread N $Y R R $Y R
53 Frog # ______
54/79 Point Condition
$Y R
55 Condition of Frog
$Y R
56 Surface of Frog
$Y R

57 Throat in Inches 3 3/4
72 Flangeway Depth 1 1/8

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

Gage
58 Main Track $6 1/4
59 Turnout Track $6 1/4

Gage must not be less than 56" any class

Guard Rails
60 Guard Rail Gage N $2 3/4 R $2 3/4

Guard Rail Gage must more than 54 3/8"
61 Back To Back N $2 3/4 R $2 3/4

Back to Back Gage must be less than 53 1/8"
62 Condition
$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

Turnout Ties
66 Condition
$Y R N/A
67 Rail Movement
$Y R N/A

Tie Plates
68 Lead
$Y R N/A
69 Guard Rail Flangeway
$Y R N

Guard Rail Flangeway can not be less 1 1/2"
70 Guard Rail Plates
$Y R N/A
71 Frog Plates
$Y R N/A

Bolts
73 Loose
N/A
74 Missing
N/A

Rivets (Huck)
75 Loose
N/A
76 Missing
N/A
77 Nuts Missing
N/A
78 Cotter Pins Missing
N/A
79 Washers
OK Broken N/A

Hold Down Devices
S Y R N/A
81 Spring Housing
S Y R N/A
82 Derailed
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
$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

GM-JC 11-10-2011
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: [Signature] Date: 12-17-13

11-10-2011
Mainline Switch Inspection Report Semi-Annual WO# 1270011

Date 11-03-13
Watchman B Y R D
Location WEST PORT
2 Switch I.D. # 3815
3 Facing Trailing

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

Gage
Heel of Switch
9 Main 56 3/4
10 Turnout 56 3/4
11 Gage ahead of Bend 56 3/4
Must not be less than 56 inches or more than 57 inches for "S"
12 Heel Spread in Inches
Turnout 2 1/2
13 Main 2 1/2

Stock Rail
14 Bend
SYR
15 Condition
SYR

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

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

Remarks on page 3

22 Standard Joints SYR N/A
23 Switch Plates
SYR
24 Adjustable Braces
SYR N/A
24a Non-Adjustable Braces
SYR N/A

Switch Rods
25 Front Rod
SYR N/A
26 #1 Rod (Basket Rod)
SYR
27 #2 Rod
SYR
28 #3 Rod
SYR N/A
29 #4 Rod
SYR N/A
30 Closure Rail
SYR
31 Surface of Switch
SYR 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, Greater than 13/4" is Out of Service
32 Head Block Ties
SYR
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
SYR
39 Insulated Joints
SYR
39a Regular Joints
SYR

GWR 11-16-2011
50 Location
50a Switch I.D. #
51 Facing Trailing
52 Frog Tread N Y R R Y R
53 Frog #
54/79 Point Condition Y R
55 Condition of Frog Y R
56 Surface of Frog Y R
57 Throat in Inches 3 1/2
72 Flangeway Depth 2
Flangeway Depth must not be less than 1 1/2"
Gage
58 Main Track 3 3/4
59 Turnout Track 3 1/2
Gage must not be less than 56" any class
Guard Rails
60 Guard Rail Gage N 3 1/2 Y R 3 1/2 Y R
Guard Rail Gage must more than 54 3/8"
61 Back To Back N 3 1/2 Y R 3 1/2 Y R
Back to Back Gage must be less than 53 1/8"
62 Condition Y R
63 Location of Guard Rail (Relation to Point) Y R
Guard Rail Clamps
64 Main Track Y R N/A
65 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

GM JC 11-10-2011
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: [Signature]  Date: 12-17-13

11-10-2011
Mainline Switch Inspection Report Semi-Annual

Date 12/16/13

Inspection Crew

Watchman D. BYRD
1 Location WESTPORT
2 Switch I.D. # 115 1B
3 Facing X. Trailing

Rail Points
4 Point to Point 51 4/4
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 4 13 4 R 4 4 4 4
6a Point Opening
N 5 R 5 4
7 Fit
S Y R
8 General Condition of the Points
S Y R

Gage
Heel of Switch
9 Main 56 4 4 4
10 Turnout 56 4 4
11 Gage ahead of Bend 56 4 4
Must not be less than 56 inches or more than 57 inches for "S"
12 Heel Spread in Inches
Turnout 4 4
13 Main 4 4

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

Bolts
16 Loose N/A
17 Missing N/A

Rivets (Huck Bolts)
18 Loose N/A
19 Missing N/A
20 Cotter Pins Missing N/A
21 Jam Nuts Loose 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, Greater 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**

<table>
<thead>
<tr>
<th>50 Location</th>
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<tbody>
<tr>
<td>50a Switch I.D. #</td>
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<tr>
<td>51 Facing</td>
<td>Trailing</td>
</tr>
<tr>
<td>52 Frog Tread</td>
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</tr>
<tr>
<td></td>
<td>(S) Y R</td>
</tr>
<tr>
<td></td>
<td>R</td>
</tr>
<tr>
<td>53 Frog #</td>
<td></td>
</tr>
<tr>
<td>54/79 Point Condition</td>
<td></td>
</tr>
<tr>
<td>(S) Y R</td>
<td></td>
</tr>
<tr>
<td>55 Condition of Frog</td>
<td></td>
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<tr>
<td>(S) Y R</td>
<td></td>
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<tr>
<td>56 Surface of Frog</td>
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<tr>
<td>(S) Y R</td>
<td></td>
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<tr>
<td>57 Throat in Inches</td>
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<tr>
<td>72 Flangeway Depth</td>
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<tr>
<td><strong>Flangeway Depth must not be less than 1 1/2”</strong></td>
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</tr>
<tr>
<td><strong>Gage</strong></td>
<td></td>
</tr>
<tr>
<td>58 Main Track</td>
<td></td>
</tr>
<tr>
<td>59 Turnout Track</td>
<td></td>
</tr>
<tr>
<td><strong>Gage must not be less than 56” any class</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Guard Rails</strong></td>
<td></td>
</tr>
<tr>
<td>60 Guard Rail Gage</td>
<td></td>
</tr>
<tr>
<td>61 Back To Back Gage</td>
<td></td>
</tr>
<tr>
<td><strong>Back to Back Gage must be less than 53 1/8”</strong></td>
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</tr>
<tr>
<td>62 Condition</td>
<td></td>
</tr>
<tr>
<td>(S) Y R</td>
<td></td>
</tr>
<tr>
<td>63 Location of Guard Rail (Relation to Point)</td>
<td>(S) Y R</td>
</tr>
<tr>
<td><strong>Guard Rail Clamps</strong></td>
<td></td>
</tr>
<tr>
<td>64 Main Track</td>
<td>N/A</td>
</tr>
<tr>
<td>65 Turnout Track</td>
<td>(S) Y R</td>
</tr>
</tbody>
</table>

### Turnout Ties

<table>
<thead>
<tr>
<th>66 Condition</th>
<th>(S) Y R N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>67 Rail Movement</td>
<td>(S) Y R N/A</td>
</tr>
</tbody>
</table>

### Tie Plates

| 68 Lead | (S) Y R N/A |
| 69 Guard Rail Flangeway | (S) Y R N/A |

**Guard Rail Flangeway can not be less 1 1/2”**

### Bolts

| 70 Guard Rail Plates | (S) Y R N/A |
| 71 Frog Plates       | (S) Y R N/A |

### Rivets (Huck)

| 73 Loose | N/A |
| 74 Missing | N/A |

### Hold Down Devices

| 75 Loose | N/A |
| 76 Missing | N/A |
| 77 Nuts Missing | N/A |
| 78 Cotter Pins Missing | N/A |
| 79 Washers: Ok | Missing N/A |

### Level on the siding from the Frog Point to

| 50' beyond the last long tie | Ok |

### Maximum Difference in any 31' in Cross

83 **Difference**

### Remarks on page 3

GMJC 11-10-2011
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: [Signature]

Date: 12-17-13

11-10-2011
# Mainline Switch Inspection Report Semi-Annual

**Inspection Crew:** T. Schisler, B. Panuska

**Date:** 12/18/13

**Watchman:** D. Byrd

<table>
<thead>
<tr>
<th>Location</th>
<th>West Port</th>
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<tbody>
<tr>
<td>Switch I.D.</td>
<td>115.3 A</td>
</tr>
<tr>
<td>Facing</td>
<td>Trailing</td>
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</tbody>
</table>

## Rail Points

- **4 Point to Point:** 8 7/8
- **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:** 4 3/4
  - **R:** 4 7/8
- **6a Point Opening:**
  - **N:** 5 1/2
  - **R:** 5 7/8
- **7 Fit:** S Y R
- **8 General Condition of the Points:** (S) Y R

## Gage

- **Heel of Switch:**
  - **9 Main:** 3 7/8
  - **10 Turnout:** 3 7/8
- **11 Gage ahead of Bend:** 5 6 7/8
  - Must not be less than 56 inches or more than 57 inches for “S”
- **12 Heel Spread in Inches:**
  - **Turnout:** 2 3/4
- **13 Main:** 1 3/4

## Stock Rail

- **1-4 Bend:** (S) Y R
- **15 Condition:** (S) Y R

## Bolts

- **16 Loose:** 6 N/A
- **17 Missing:** 6 N/A

## Rivets (Huck Bolts)

- **18 Loose:** 6 N/A
- **19 Missing:** 6 N/A
- **20 Cotter Pins Missing:** 6 N/A
- **21 Jam Nuts Loose:** 6 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, Greater than 13 3/4” 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

Page 2 of 3

50 Location ___________________________
50a Switch I.D. # _______________________
51 Facing _____________________________
52 Frog Tread N S Y R
R S Y R
53 Frog # ____________
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 1/2
72 Flangeway Depth 2
Flangeway Depth must not be less than 1 1/2"

Gage
58 Main Track 50 3/16
59 Turnout Track 52 3/16
Gage must not be less than 56" any class

Guard Rails
60 Guard Rail Gage N 5/4 3/8 R 1/2 1/8
Guard Rail Gage must more than 54 3/8"
61 Back To Back N 5/4 3/8 R 1/2 1/8
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 1/2"
More than 57 1/2" Out of Service
Class 3 Gage 56" to 57"
More than 57" to 57 1/2" 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 1/4 S Y R
Guard Rail Flangeway can not be less 1 1/2"
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 3 N/A
76 Missing N/A
77 Nuts Missing 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

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: [Signature]

Date: 12-17-13

11-10-2011
<table>
<thead>
<tr>
<th>Date</th>
<th>12/10/13</th>
<th>Inspection Crew</th>
<th>T. Schisler; B. Panuska</th>
</tr>
</thead>
</table>

**Mainline Switch Inspection Report Semi-Annual**

**Watchman**
- D. Byrd

**Location**
- Patapsco

**Switch I.D. #**
- 174-B

**Facing**
- Trailing

**Rail Points**
- 4 Point to Point: 51 3/4
- 5 Point Condition: SYR
- 6 Point Throw: Min 3 1/2 inches on house top point protected
- 6a Point Opening: N
- 7 Fit: SYR
- 8 General Condition of the Points: SYR

**Gage**
- Heel of Switch
- 9 Main: 50 3/4
- 10 Turnout: 56 3/4
- 11 Gage ahead of Bend: 50 3/4
- Must not be less than 56 inches or more than 57 inches for “S”
- 12 Heel Spread in Inches
- Turnout: 1/2
- 13 Main: 6 3/4

**Stock Rail**
- 14 Bend: SYR
- 15 Condition: SYR

**Bolts**
- 16 Loose: N/A
- 17 Missing: N/A

**Rivets (Huck Bolts)**
- 18 Loose: N.A.
- 19 Missing: N.A.
- 20 Cotter Pins Missing: N.A.
- 21 Jam Nuts Loose: N/A
- 21a Washers: OK

**Switch Targets/Lamps**
- 35 Switch Targets/Lamps
- Ok: Missing: N/A

**Latches**
- 36 Latches
- Ok: Broken: Missing

**Locks**
- 37 Locks
- Ok: Broken: Missing

**General Condition**
- 38 General Condition: SYR
- 39 Insulated Joints: SYR
- 39a Regular Joints: SYR

22 Standard Joints: SYR N/A
23 Switch Plates: SYR
24 Adjustable Braces: SYR N/A
24a Non-Adjustable Braces: SYR N/A
25 Front Rod: SYR N/A
26 #1 Rod (Basket Rod): SYR
27 #2 Rod: SYR
28 #3 Rod: SYR N/A
29 #4 Rod: SYR N/A
30 Closure Rail: SYR
31 Surface of Switch: SYR
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: SYR
33 Switch Adjustments: Yes
34 Lubrication: Dry
35 Switch Targets/Lamps: Ok
36 Latches: Ok
37 Locks: Ok
38 General Condition: SYR
39 Insulated Joints: SYR
39a Regular Joints: SYR

Remarks on page 3

(OVFJC 11-10-2011)
Mainline

50 Location ____________________________
50a Switch I.D. # ___________________
51 Facing ____________________________
      S Y R
52 Frog Tread N  S Y R
      R  S Y R
53 Frog # ____________________________
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 2
72 Flangeway Depth 2
Flangeway Depth must not be less than 1 ½" Gage
58 Main Track 56 ½
59 Turnout Track 56 ½
Gage must not be less than 56" any class

Guard Rails
60 Guard Rail Gage N 54 ½ R 54 ½
Guard Rail Gage must more than 54 3/8"
61 Back To Back N 52 ½ R 52 ½
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 57½" to 57¼" downgrade to
Class 2 and gets a Y

Remarks on page 3

GMJC 11-10-2011
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: [Signature]
Date: 12-17-13
Mainline Switch Inspection Report Semi-Annual

Date 12/16/13
Watchman D. BYRD
1 Location PATAPSCO
2 Switch ID # 178 A
3 Facing —— Trailng ——

Rail Points
4 Point to Point 5¼
5 Point Condition
(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 4¼ R 5¼
6a Point Opening
N 4¼ R 4¼

7 Fit
(Y R)
8 General Condition of the Points
(Y R)

Gage
Heel of Switch
9 Main 5½
10 Turnout 5½
11 Gage ahead of Bend 5½
Must not be less than 56 inches or more than 75 inches for “S”
12 Heel Spread in Inches
Turnout 9½
13 Main 9½

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

Bolts
16 Loose N/A
17 Missing N/A

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

Remarks on page 3

GMJC 11-11-2011

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

Switch Rods
25 Front Rod
(Y R N/A)
26 #1 Rod (Basket Rod)
(Y R)
27 #2 Rod
(Y R)
28 #3 Rod
(Y R N/A)
29 #4 Rod
(Y R N/A)
30 Closure Rail
(Y R)
31 Surface of Switch
(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, Greater than 13/4” is Out of Service
32 Head Block Ties
(Y R)
33 Switch Adjustments
Yes No
34 Lubrication
Dry
35 Switch Targets/Lamps
Ok Missing N/A
36 Latches
Ok Broken Missing
37 Locks
Ok Broken Missing
38 General Condition
(Y R)
39 Insulated Joints
(Y R)
39a Regular Joints
(Y R)
50 Location
50a Switch I.D. #
51 Facing Trailing
52 Frog Tread N $Y Y R$
      R $Y Y R$
53 Frog #
54/79 Point Condition
      $Y Y R$
55 Condition of Frog
      $Y Y R$
56 Surface of Frog
      $Y Y R$
57 Throat in Inches $3 3/4$
58 Flangeway Depth
59 Flangeway Depth must not be less than 1 1/2"
60 Guard Rail Gage N $3 1/4" R $3 3/8"
61 Back to Back N $2 1/4" R $2 3/8"
62 Condition
      $Y Y R$
63 Location of Guard Rail (Relation to Point)
      $Y Y R$
64 Main Track
      $Y Y R N/A$
65 Turnout Track
      $Y Y R N/A$

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

56/79 Point Condition
      $Y Y R$
55 Condition of Frog
      $Y Y R$
56 Surface of Frog
      $Y Y R$
57 Throat in Inches $3 3/4$
58 Flangeway Depth
59 Flangeway Depth must not be less than 1 1/2"
60 Guard Rail Gage N $3 1/4" R $3 3/8"
61 Back to Back N $2 1/4" R $2 3/8"
62 Condition
      $Y Y R$
63 Location of Guard Rail (Relation to Point)
      $Y Y R$

Class 1 Gage 56" to 57 1/4"
More than 57 1/4" 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
66 Condition
      $Y Y R N/A$
67 Rail Movement
      $Y Y R N/A$
68 Lead
      $Y Y R N/A$
69 Guard Rail Flangeway
      $Y R N/A$
70 Guard Rail Plates
      $Y Y R N/A$
71 Frog Plates
      $Y Y R N/A$

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

Rivets (Huck)
75 Loose $N/A$
76 Missing $N/A$
77 Nuts Missing $N/A$
78 Cotter Pins Missing $N/A$
79 Washers $Ok$ Broken $Missing N/A$

Hold Down Devices
80 $Y R N/A$
81 Spring Housing
      $Y Y R N/A$
82 Derails
      $Y Y R N/A$

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
      $Y Y R$

Remarks on page 3
GMJC 11-10-2011
No New Defects Noted

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: [Signature] Date: 12-17-13

11-10-2011
## Mainline Switch Inspection Report Semi-Annual

**Date:** 12/10/13  
**Watchman:** D. BYRD  
**Location:** WESTPORT  
**Switch I.D. #:** 1/15/1A  
**Facing:** X Trailing  
**Inspection Crew:** T. SCHISLER B. RANUSKA  

### Rail Points

<table>
<thead>
<tr>
<th>Item</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 Point to Point</td>
<td>31 1/4</td>
</tr>
<tr>
<td>5 Point Condition</td>
<td>Y R</td>
</tr>
<tr>
<td>6 Point Throw</td>
<td>Min 3 1/2 inches on house top point protected</td>
</tr>
<tr>
<td>6a Point Opening</td>
<td>N 5/8 R 4 3/4</td>
</tr>
<tr>
<td>7 Fit</td>
<td>Y R</td>
</tr>
<tr>
<td>8 General Condition of the Points</td>
<td>Y R</td>
</tr>
</tbody>
</table>

### Gauge

<table>
<thead>
<tr>
<th>Item</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 Main</td>
<td>3 1/2</td>
</tr>
<tr>
<td>10 Turnout</td>
<td>2 3/4</td>
</tr>
<tr>
<td>11 Gage ahead of Bend</td>
<td>5 3/4</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Item</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 Heel Spread in Inches</td>
<td>Turnout C 1/2</td>
</tr>
<tr>
<td>13 Main</td>
<td>6 3/4</td>
</tr>
</tbody>
</table>

### Stock Rail

<table>
<thead>
<tr>
<th>Item</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>14 Bend</td>
<td>Y R</td>
</tr>
<tr>
<td>15 Condition</td>
<td>Y R</td>
</tr>
</tbody>
</table>

### Bolts

<table>
<thead>
<tr>
<th>Item</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 Loose</td>
<td>N/A</td>
</tr>
<tr>
<td>17 Missing</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Rivets (Huck Bolts)

<table>
<thead>
<tr>
<th>Item</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>18 Loose</td>
<td>N/A</td>
</tr>
<tr>
<td>19 Missing</td>
<td>N/A</td>
</tr>
<tr>
<td>20 Cotter Pins Missing</td>
<td>N/A</td>
</tr>
<tr>
<td>21 Jam Nuts Loose</td>
<td>N/A</td>
</tr>
<tr>
<td>21a Washers</td>
<td>Broken</td>
</tr>
</tbody>
</table>

### Remarks on page 3

---

22 Standard Joints  
23 Switch Plates  
24 Adjustable Braces  
24a Non-Adjustable Braces  
25 Front Rod  
26 #1 Rod (Basket Rod)  
27 #2 Rod  
28 #3 Rod  
29 #4 Rod  
30 Closure Rail  
31 Surface of Switch  
32 Head Block Ties  
33 Switch Adjustments  
34 Lubrication  
35 Switch Targets/Lamps  
36 Latches  
37 Locks  
38 General Condition  
39 Insulated Joints  
39a Regular Joints
Mainline

50 Location ____________________________
50a Switch I.D. # _______________________
51 Facing ____________________
52 Frog Tread N R  Y R Y R
53 Frog #  
54/79 Point Condition  
55 Condition of Frog  
56 Surface of Frog  
57 Throat in Inches  
72 Flangeway Depth  
Flangeway Depth must not be less than 1 1/2”

Gage
58 Main Track  
59 Turnout Track  
Gage must not be less than 56” any class

Guard Rails
60 Guard Rail Gage N  R  
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  
63 Location of Guard Rail (Relation to Point)  
Guard Rail Clamps
64 Main Track  
65 Turnout Track  

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

GM/JC 11-10-2011

Frog Inspection Report Semi-Annual

Page 2 of 3

Turnout Ties
66 Condition  
67 Rail Movement  

Tie Plates
68 Lead  
69 Guard Rail Flangeway  
Guard Rail Flangeway can not be less 1 1/2”
70 Guard Rail Plates  
71 Frog Plates  

Bolts
72 Loose  
73 Missing  

Rivets (Huck)
74 Missing  
75 Loose  
76 Missing  
77 Nuts Missing  
78 Cotter Pins Missing  
79 Washers Ok Broken Missing  

Hold Down Devices
80 Hold Down Devices  
81 Spring Housing  
82 Derails  

83 Maximum difference in any 31’ in Cross Level on the siding from the Frog Point to
50’ beyond the last long tie

84 Condition of Line thru entire turnout  

Ok Difference  

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: [Signature]
Date: 12-17-13

11-10-2011
**Mainline**  
**Switch Inspection Report Semi-Annual**  
WO# 1279297  
Page 1 of 3

<table>
<thead>
<tr>
<th>Date</th>
<th>12/1/13</th>
</tr>
</thead>
<tbody>
<tr>
<td>Watchman</td>
<td>D BYRO</td>
</tr>
<tr>
<td>Location</td>
<td>BALTO., HIGHLANDS</td>
</tr>
<tr>
<td>Switch 1 D. #</td>
<td>208 3R</td>
</tr>
<tr>
<td>Facing</td>
<td>Trailing X</td>
</tr>
</tbody>
</table>

**Rail Points**

4 Point to Point 51 1/2%

5 Point Condition

4 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 4 3/4%  R 4 3/4%

6a Point Opening

N 8 1/2%  R 5 1/2%

7 Fit

4 Y R

8 General Condition of the Points

4 Y R

**Gage**

Heel of Switch

9 Main 56 1/2%

10 Turnout 50%

11 Gage ahead of Bend 56 1/4%

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

12 Heel Spread in Inches

Turnout 6 1/2%

13 Main 6 3/4%

**Stock Rail**

14 Bend

4 Y R

15 Condition

4 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 0 Broken Missing

**Remarks on page 3**

GMJC 11-16-2011

22 Standard Joints

4 Y R N/A

23 Switch Plates

4 Y R

24 Adjustable Braces

4 Y R N/A

24a Non-Adjustable Braces

4 Y R N/A

**Switch Rods**

25 Front Rod

4 Y R N/A

26 #1 Rod (Basket Rod)

4 Y R

27 #2 Rod

4 Y R

28 #3 Rod

4 Y R N/A

29 #4 Rod

4 Y R N/A

30 Closure Rail

4 Y R

31 Surface of Switch

4 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

4 Y R

33 Switch Adjustments

Yes

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

4 Y R

39 Insulated Joints

4 Y R

39a Regular Joints

4 Y R
50 Location
50a Switch L.D. #
51 Facing
52 Frog Tread N (S) Y R
R (S) Y R
53 Frog # [C]
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 1/2" Gage
58 Main Track H64/07
59 Turnout Track H65/07
Gage must not be less than 56" any class Guard Rails
60 Guard Rail Gage N H54/07
R H54/07
Guard Rail Gage must more than 54 3/8"
61 Back To Back N H32/07
R H32/07
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 1/2"
More than 57 1/2" Out of Service
Class 3 Gage 56" to 57"
More than 57" to 57 1/2" 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/A
Guard Rail Flangeway can not be less 1 1/2"
70 Guard Rail Plates
(S) Y R N/A
71 Frog Plates
(S) Y R N/A

Bolts
73 Loose N/A
74 Missing N/A

Rivets (Huck)
75 Loose N/A
76 Missing N/A
77 Nuts Missing N/A
78 Cotter Pins Missing N/A
79 Washers (B) 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

84 Condition of Line thru entire turnout
(S) Y R
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: ___________________________ Date: 12-18-15

11-10-2011
### Mainline Switch Inspection Report Semi-Annual

**Date**: 12/13

**Watchman**: D. B. BYRD

**Location**: BALTO - HIGHLANDS

**Switch I.D. #**: 208 1A

**Facing**: Y - Trailing

#### Rail Points

4. **Point to Point**: 57 1/4

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

6a. **Point Opening**: N 4 3/4 R 4 3/4

7. **Fit**: S Y R

8. **General Condition of the Points**: S Y R

#### Gage

9. **Heel of Switch**: 60 6 1/2

10. **Turnout**: 94 3/4

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**: 0

13. **Turnout**: 0 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

*GAEC 11-10-2011*

**WO#**: 279293

**Inspection Crew**: T. SCHISLER R. NELSON

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

Page 2 of 3

50 Location

50a Switch I.D. #

51 Facing

52 Frog Tread

53 Frog #

54/79 Point Condition

55 Condition of Frog

56 Surface of Frog

57 Throat in Inches

72 Flangeway Depth

Flangeway Depth must not be less than 1 1/2”

Gage

58 Main Track

59 Turnout Track

Gage must not be less than 56” any class

Guard Rails

60 Guard Rail Gage

Guard Rail Gage must more than 54 3/8”

61 Back To Back

Back to Back Gage must be less than 53 1/8”

62 Condition

63 Location of Guard Rail (Relation to Point)

Guard Rail Clamps

64 Main Track

65 Turnout Track

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 1/2” downgrade to

Class 2 and gets a Y

Remarks on page 3

GM JC 11-10-2011

Turnout Ties

66 Condition

67 Rail Movement

Tie Plates

68 Lead

69 Guard Rail Flangeway

Guard Rail Flangeway can not be less 1 1/2”

70 Guard Rail Plates

71 Frog Plates

Bolts

73 Loose

74 Missing

Rivets (Huck)

75 Loose

76 Missing

77 Nuts Missing

78 Cotter Pins Missing

79 Washers

Hold Down Devices

80 Hold Down Devices

81 Spring Housing

82 Derails

83 Maximum difference in any 31’ in Cross

Level on the siding from the Frog Point to

50’ beyond the last long tie

Difference

84 Condition of Line thru entire turnout

Remarks on page 3

GM JC 11-10-2011
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: [Signature]
Date: 12-18-13

11-10-2011
Mainline

Switch Inspection Report Semi-Annual

Date 12/17/13  Inspection Crew T. SCHISLER, R. NELSON

Watchman D. BYRD

1 Location PATAPSCO
2 Switch I.D. # 208 IB
3 Facing X Trailing

Rail Points
4 Point to Point 51 3/8
5 Point Condition $ 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 4 3/8 R 4 3/8
6a Point Opening N 5 1/4 R 5 1/4
7 Fit $ Y R
8 General Condition of the Points $ Y R

Gage
Heel of Switch
9 Main 57 1/4
10 Turnout 51 3/4
11 Gage ahead of Bend 56 1/4
   Must not be less than 56 inches or more than 57 inches for "S"
12 Heel Spread in Inches
   Turnout 1 3/4
13 Main 1 3/4

Stock Rail
14 Bend $ Y R
15 Condition $ Y R

Bolts
16 Loose Ø N/A
17 Missing Ø N/A

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

Remarks on page 3

GMJC 11-16-2011

WO# 1279295  Page 1 of 3

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

Switch Rods
25 Front Rod
   $ Y R N/A
26 #1 Rod (Basket Rod)
   $ Y R
27 #2 Rod
   $ Y R
28 #3 Rod
   $ Y R N/A
29 #4 Rod
   $ Y R N/A
30 Closure Rail
   $ Y R
31 Surface of Switch
   $ 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
   $ 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
   $ Y R
39 Insulated Joints
   $ Y R
39a Regular Joints
   $ Y R
Mainline

Frog Inspection Report Semi-Annual

50 Location
50a Switch I.D. #

51 Facing
52 Frog Tread

Trailing
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 3/4
72 Flangeway Depth
2

Flangeway Depth must not be less than 1 1/2”

Gage
58 Main Track
S 1/2
59 Turnout Track
S 1/4
Gage must not be less than 56” any class

Guard Rails
60 Guard Rail Gage
N 4 3/8
R 5 4 3/8
Guard Rail Gage must more than 54 3/8”
61 Back To Back
N 3 2 3/4
R 3
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 1/2”
More than 57 1/2” Out of Service
Class 3 Gage 56” to 57”
More than 57” to 57 1/2” 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/A
Guard Rail Flangeway can not be less 1 1/2”
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

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: [Signature]  
Date: 12-18-13

11-10-2011
Mainline Switch Inspection Report Semi-Annual

Date: 12/17/13
Watchman: D. Byrd

1. Location: BARTO HIGHLANDS
2. Switch I.D. #: 208 3B
3. Facing: Trailing

Rail Points
4. Point to Point: 51.4
5. Point Condition: Y R
6. Point Throw: Min 3 1/2 inches on house top point protected

6a. Point Opening
N: 4.7
R: 4.2

7. Fit: Y R
8. General Condition of the Points: Y R

Gage
9. Heel of Switch: SUC
10. Turnout: SUC/4
11. Gage ahead of Bend: SUC/1
   Must not be less than 56 inches or more than 57 inches for "S"
12. Heel Spread in Inches
   Turnout: 8.4

Stock Rail
14. Bend: Y R
15. Condition: 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

Remarks on page 3
Mainline

Frog Inspection Report Semi-Annual

50 Location
50a Switch I.D. #

51 Facing
52 Frog Tread
N  Y  R
R  Y  R

53 Frog #
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
Flangeway Depth must not be less than 1 1/2"

Gage
58 Main Track
59 Turnout Track
Gage must not be less than 56" any class

Guard Rails
60 Guard Rail Gage
N 54 5/8  R 54 5/8
Guard Rail Gage must more than 54 3/8"
61 Back To Back
N 52 3/4  R 52 3/4
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

Turnout Ties
66 Condition
( S) Y  R N/A
67 Rail Movement
( S) Y  R N/A

68 Lead
( S) Y  R N/A
69 Guard Rail Flangeway
( S) Y  R N/A
Guard Rail Flangeway can not be less 1 1/2"
70 Guard Rail Plates
( S) Y  R N/A
71 Frog Plates
( S) Y  R N/A

Bolts
73 Loose
74 Missing

( S) N/A
( S) N/A

Rivets (Huck)
75 Loose
76 Missing
77 Nuts Missing
78 Cotter Pins Missing
79 Washers
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
( S) Difference

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

Remarks on page 3
GM JC 11-10-2011
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: [Signature]
Date: 12-18-13

11-10-2011
Mainline Switch Inspection Report Semi-Annual

Date 12/17/13
Watchman D. BYRD
1 Location BOLTO HIGHLANDS
2 Switch I.D. # 269 3B
3 Facing Trailng X

Rail Points
4 Point to Point 51 3/4
5 Point Condition $ Y R
6 Point Throw Min 3 1/2 inches on house top point protected
N 4 3/4 R 4 3/4
6a Point Opening N 4 3/4 R 4 3/4
7 Fit $ Y R
8 General Condition of the Points $ Y R

Gage
9 Heel of Switch SL 3/16
10 Turnout SL 3/16
11 Gage ahead of Bend SL 3/16
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 $ Y R
15 Condition $ Y R

Bolts
16 Loose N/A
17 Missing N/A

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

Remarks on page 3

WO# 1279307 Page 1 of 3

T. SCHISLER R. NELSON

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

Switch Rods
25 Front Rod $ Y R N/A
26 #1 Rod (Basket Rod) $ Y R
27 #2 Rod $ Y R
28 #3 Rod $ Y R N/A
29 #4 Rod $ Y R N/A
30 Closure Rail $ Y R
31 Surface of Switch $ 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 $ 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 $ Y R
39 Insulated Joints $ Y R
39a Regular Joints $ Y R
50 Location
50a Switch I.D. #
51 Facing
   Trailing
52 Frog Tread
   N  $YR  \( R \)
   R  $YR
53 Frog # 10
54/79 Point Condition
   $YR
55 Condition of Frog
   $YR
56 Surface of Frog
   $YR

57 Throat in Inches \( \frac{3}{4} \)
72 Flangeway Depth \( 2 \)
Flangeway Depth must not be less than 1 ½”

**Gage**
58 Main Track \( \frac{5\frac{1}{16}}{} \)
59 Turnout Track \( \frac{5\frac{1}{8}}{} \)
Gage must not be less than 56” any class

**Guard Rails**
60 Guard Rail Gage N \( \frac{54\frac{1}{8}}{} \) R \( \frac{54\frac{1}{8}}{} \)
Guard Rail Gage must more than 54 3/8”
61 Back To Back N \( \frac{52\frac{1}{4}}{} \) R \( \frac{52\frac{1}{4}}{} \)
Back to Back Gage must be less than 53 1/8”
62 Condition
   $YR
63 Location of Guard Rail (Relation to Point)
   $YR
**Guard Rail Clamps**
64 Main Track
   $YR N/A
65 Turnout Track
   $YR N/A

Class 1 Gage 56” to 57 ¼”
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
   $YR N/A
67 Rail Movement
   $YR N/A

**Tie Plates**
68 Lead
   $YR N/A
69 Guard Rail Flangeway
   $YR N/A
Guard Rail Flangeway can not be less 1 ½”
70 Guard Rail Plates
   $YR N/A
71 Frog Plates
   $YR N/A

**Bolts**
73 Loose \( \bigcirc \) N/A
74 Missing \( \bigcirc \) N/A

**Rivets (Huck)**
75 Loose \( \bigcirc \) N/A
76 Missing \( \bigcirc \) N/A
77 Nuts Missing \( \bigcirc \) N/A
78 Cotter Pins Missing \( \bigcirc \) N/A
79 Washers (OK) Broken \( \bigcirc \) Missing \( \bigcirc \) N/A

80 Hold Down Devices
   $YR N/A
81 Spring Housing
   $YR N/A
82 Derails
   $YR 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 \( \bigcirc \) Difference \( \bigcirc \)

84 Condition of Line thru entire turnout
   $YR

**Remarks on page 3**
GM: JC 11-10-2011
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: [Signature] Date: 11-18-13

11-10-2011