Mainline Switch Inspection Report Semi-Annual

Date: 12/3/13

Watchman: R. Panuska
1 Location: Mt. Royal
2 Switch I.D. #: 70-3A
3 Facing: Trailing

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
6a Point Opening: N 4 3/8 R 4 3/8
7 Fit: Y R
8 General Condition of the Points: Y R

Gage
9 Heel of Switch: 5 1/4
10 Turnout: 5 1/4
11 Gage ahead of Bend: 5 1/4
12 Heel Spread in Inches
13 Main: 9 3/4

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

GMJC 11-11-2011

WO# 1253755

Page 1 of 3

22 Standard Joints
23 Switch Plates
24 Adjustable Braces
24a Non-Adjustable Braces

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
32 Head Block Ties: Y R
33 Switch Adjustments
34 Lubrication
Ok Dry
35 Switch Targets/Lamps
Ok Missing N/A
36 Latches
37 Locks
Ok Broken Missing
38 General Condition
39 Insulated Joints
49a Regular Joints
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 # 8
54/79 Point Condition (Y R)
55 Condition of Frog (Y R)
56 Surface of Frog (Y R)
57 Throat in Inches ________
72 Flange-way Depth ________
Flange-way Depth must not be less than 1 1/2"
Gage
58 Main Track (Y R)
59 Turnout Track (Y R)
Gage must not be less than 56" any class
Guard Rails
60 Guard Rail Gage N (Y R) (Y R)
Guard Rail Gage must more than 54 3/8"
61 Back To Back N (Y R) (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 1/2" 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.
Mainline Switch Inspection Report Semi-Annual

Date 12/4/13
Watchman A. RABETTE
1 Location FLEX, FLO
2 Switch I.D. # 124 0
3 Facing X Trailing

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

Gage
Heel of Switch
9 Main 56 3/8
10 Turnout 96 3/8
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
Turnout 6 1/4
13 Main 6 1/4

Stock Rail
14 Bend Y R
15 Condition Y R

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

WO# 1237798 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, Greater than 13/4" is Out of Service
32 Head Block Ties 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 Y R
39 Insulated Joints Y R
39a Regular Joints Y R

ONTC 11-1-2011
<table>
<thead>
<tr>
<th>Mainline</th>
<th>Frog Inspection Report Semi-Annual</th>
<th>Page 2 of 3</th>
</tr>
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</table>

**50 Location**

50a Switch I.D. #

**51 Facing**

<table>
<thead>
<tr>
<th></th>
<th>Trailing</th>
</tr>
</thead>
<tbody>
<tr>
<td>N Y R</td>
<td></td>
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<tr>
<td>R Y R</td>
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**52 Frog Tread #**

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<thead>
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<tbody>
<tr>
<td>N Y R</td>
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<tr>
<td>R Y R</td>
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**53 Frog #**

<table>
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**54/79 Point Condition**

<table>
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<tbody>
<tr>
<td>S Y R</td>
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**55 Condition of Frog**

<table>
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<tr>
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**56 Surface of Frog**

<table>
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</thead>
<tbody>
<tr>
<td>S Y R</td>
<td></td>
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**57 Throat in Inches**

<table>
<thead>
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<tbody>
<tr>
<td>3 1/4</td>
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**Flangeway Depth**

<table>
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<tbody>
<tr>
<td>2</td>
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</table>

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

**Gage**

<table>
<thead>
<tr>
<th></th>
<th>Trailing</th>
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</thead>
<tbody>
<tr>
<td>58 Main Track</td>
<td>5 3/8</td>
</tr>
<tr>
<td>59 Turnout Track</td>
<td>5 5/8</td>
</tr>
</tbody>
</table>

**Gage must not be less than 56” any class**

**Guard Rails**

<table>
<thead>
<tr>
<th></th>
<th>Trailing</th>
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</thead>
<tbody>
<tr>
<td>60 Guard Rail Gage</td>
<td>5 4 3/8</td>
</tr>
<tr>
<td>61 Back To Back</td>
<td>5 2 3/4</td>
</tr>
</tbody>
</table>

**Guard Rail Gage must more than 54 3/8”**

**62 Condition**

<table>
<thead>
<tr>
<th></th>
<th>Trailing</th>
</tr>
</thead>
<tbody>
<tr>
<td>S Y R</td>
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**63 Location of Guard Rail (Relation to Point)**

<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>S Y R</td>
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**Guard Rail Clamps**

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<tbody>
<tr>
<td>64 Main Track</td>
<td>S Y R N/A</td>
</tr>
<tr>
<td>65 Turnout Track</td>
<td>S Y R N/A</td>
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</tbody>
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**Turnout Ties**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>66 Condition</td>
<td>S Y R N/A</td>
</tr>
<tr>
<td>67 Rail Movement</td>
<td>S Y R N/A</td>
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**Tie Plates**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>68 Lead</td>
<td>S Y R N/A</td>
</tr>
<tr>
<td>69 Guard Rail Flangeway</td>
<td>S Y R N/A</td>
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**Guard Rail Flangeway can not be less 1 1/2”**

**70 Guard Rail Plates**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>S Y R N/A</td>
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**71 Frog Plates**

<table>
<thead>
<tr>
<th></th>
<th>Trailing</th>
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<tbody>
<tr>
<td>S Y R N/A</td>
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**Bolts**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>73 Loose</td>
<td>N/A</td>
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<tr>
<td>74 Missing</td>
<td>N/A</td>
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**Rivets (Huck)**

<table>
<thead>
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<tbody>
<tr>
<td>75 Loose</td>
<td>N/A</td>
</tr>
<tr>
<td>76 Missing</td>
<td>N/A</td>
</tr>
<tr>
<td>77 Nuts Missing</td>
<td>N/A</td>
</tr>
<tr>
<td>78 Cotter Pins Missing</td>
<td>N/A</td>
</tr>
<tr>
<td>79 Washers</td>
<td>Ok</td>
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**80 Hold Down Devices**

<table>
<thead>
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<tr>
<td>S Y R N/A</td>
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**81 Spring Housing**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>S Y R N/A</td>
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**82 Details**

<table>
<thead>
<tr>
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<th>Trailing</th>
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</thead>
<tbody>
<tr>
<td>S Y R</td>
<td>N/A</td>
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</tbody>
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**83 Maximum difference in any 31’ in Cross**

<table>
<thead>
<tr>
<th></th>
<th>Trailing</th>
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<tbody>
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**Level on the siding from the Frog Point to 50’ beyond the last long tie**

<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>Ok Difference</td>
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**84 Condition of Line thru entire turnout**

<table>
<thead>
<tr>
<th></th>
<th>Trailing</th>
</tr>
</thead>
<tbody>
<tr>
<td>S Y R</td>
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**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: 12-13-13

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

Date 12/4/13

Watchman A. BARRETT

1. Location FLEXI FLO
2. Switch I.D. # 124 R
3. Facing Trailing

**Rail Points**

4. Point to Point S1/4
5. Point Condition S Y R
6. Point Throw, Min 3 1/2 inches on house top point protected N 5/8 R 5/8
6a. Point Opening N 5/8 R 5/8
7. Fit S Y R
8. General Condition of the Points S Y R

**Gage**

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

**Switch Rods**

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 N/A
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

**Remarks on page 3**

GM RT 11-10-2011
Mainline

Frog Inspection Report Semi-Annual

50 Location __________________________
50a Switch I.D. # _______________________
50b Facing ____________________________
      Trailing
51 Frog Tread N ____________________________
      R ____________________________
52 Frog # ____________________________
53/79 Point Condition ____________________________
      S Y R ____________________________
54 Condition of Frog ____________________________
      S Y R ____________________________
55 Surface of Frog ____________________________
      S Y R ____________________________
56 Throat in Inches ____________________________
57 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 ____________________________
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 ____________________________

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
72 Loose ____________________________
5/4 N/A ____________________________
73 Missing ____________________________
5/4 N/A ____________________________

Rivets (Huck)
75 Loose ____________________________
5/4 N/A ____________________________
76 Missing ____________________________
5/4 N/A ____________________________
77 Nuts Missing ____________________________
5/4 N/A ____________________________
78 Cotter Pins Missing ____________________________
5/4 N/A ____________________________
79 Washers (Ok) Broken Missing ____________________________
5/4 N/A ____________________________

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

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

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: 12-15-13

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

Date 12/4/13
Watchman A Robette
Inspection Crew T Schuster, W Bryant

1 Location Flex Flo
2 Switch I.D. # 121
3 Facing X Trailing

Rail Points
4 Point to Point 51/4
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 3/4
6a Point Opening
N S R S

Gage
7 Fit
SYR
8 General Condition of the Points
SYR

9 Main 51/4
10 Turnout 5 3/4
11 Gage ahead of Bend 5 1/4
Must not be less than 56 inches or more than 57 inches for "S"
12 Heel Spread in Inches
Turnout 5 3/4
13 Main 5 3/4

Stock Rail
14 Bend
SYR
15 Condition
SYR

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
## Mainline

<table>
<thead>
<tr>
<th>50 Location</th>
<th>51 Facing</th>
<th>52 Frog Tread</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>N    Y    R</td>
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<tr>
<td></td>
<td></td>
<td>R    Y    R</td>
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<table>
<thead>
<tr>
<th>53 Frog #</th>
<th>54/79 Point Condition</th>
<th>55 Condition of Frog</th>
</tr>
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<tbody>
<tr>
<td>G</td>
<td>S Y R</td>
<td>S Y R</td>
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<table>
<thead>
<tr>
<th>56 Surface of Frog</th>
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<table>
<thead>
<tr>
<th>57 Throat in Inches</th>
<th>58 Main Track</th>
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<tbody>
<tr>
<td>3 1/4</td>
<td>S Y 3/8</td>
</tr>
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</table>

### 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 than 1 1/4"

### Bolts

- 73 Loose: O N/A
- 74 Missing: O N/A

### Guard Rails

- 60 Guard Rail Gage: N S Y 4 R Y 3/8
- Guard Rail Gage must more than 54 3/8"
- 61 Back To Back: N S Y 2 3/8 R S Y 3/8
- Back to Back Gage must be less than 53 1/8"

### Rivets (Huck)

- 75 Loose: O N/A
- 76 Missing: O N/A
- 77 Nuts Missing: O N/A
- 78 Cotter Pins Missing: O N/A
- 79 Washers: O Broken: Missing: N/A

### Hold Down Devices

- 80 Hold Down Devices: S Y R N/A

### Spring Housing

- 81 Spring Housing: S Y R N/A

### Details

- 82 Details: S Y R N/A

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

- 83 Maximum difference: Ok Difference:

### Remarks on page 3

GMJC 11-10-2011
Wear on the Riser.


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: 12-15-13

11-10-2011
Switch Inspection Report Semi-Annual

Date: 12/13/11

Watchman: R. Pabette
1 Location: EO
2 Switch ID #: 113
3 Facing: X Trailing

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
   N 4 1/8 R 9 15/16
6a Point Opening
   N 5 1/16 R 5 1/16
7 Fit: SYR
8 General Condition of the Points: SYR

Gage
Heel of Switch
9 Main: 56 3/8
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 3/4
13 Main 6 1/8

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 Broken Missing

Remarks on page 3

GMJC 11-30-11
### Mainline

<table>
<thead>
<tr>
<th>Location</th>
<th>Frog Tread</th>
<th>Frog #</th>
<th>Point Condition</th>
<th>Condition of Frog</th>
<th>Surface of Frog</th>
<th>Throat in Inches</th>
<th>Flangeway Depth</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>N S Y R</td>
<td>10</td>
<td>$Y R$</td>
<td>$Y R$</td>
<td>$Y R$</td>
<td>3</td>
<td>1/3/4</td>
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**Flangeway Depth must not be less than 1 1/2"**

### Gage

<table>
<thead>
<tr>
<th>Main Track</th>
<th>Turnout Track</th>
</tr>
</thead>
<tbody>
<tr>
<td>$Y R$</td>
<td>$Y R$</td>
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**Gage must not be less than 56" any class**

### Guard Rails

<table>
<thead>
<tr>
<th>Guard Rail Gage</th>
<th>Guard Rail Gage must more than 54 3/8&quot;</th>
<th>Back To Back Gage</th>
<th>Back to Back Gage must be less than 53 1/8&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>$Y R$</td>
<td>$Y R$</td>
<td>$Y R$</td>
<td>$Y R$</td>
</tr>
</tbody>
</table>

### Guard Rail Clamps

<table>
<thead>
<tr>
<th>Main Track</th>
<th>Turnout Track</th>
</tr>
</thead>
<tbody>
<tr>
<td>$Y R$ N/A</td>
<td>$Y R$ N/A</td>
</tr>
</tbody>
</table>

### Turnout Ties

<table>
<thead>
<tr>
<th>Condition</th>
<th>Rail Movement</th>
</tr>
</thead>
<tbody>
<tr>
<td>$Y R$ N/A</td>
<td>$Y R$ N/A</td>
</tr>
</tbody>
</table>

### Tie Plates

<table>
<thead>
<tr>
<th>Lead</th>
<th>Guard Rail Flangeway</th>
<th>Guard Rail Flangeway can not be less 1 1/2&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>$Y R$ N/A</td>
<td>$Y R N/A$</td>
<td>$Y R N/A$</td>
</tr>
</tbody>
</table>

### Bolts

<table>
<thead>
<tr>
<th>Loose</th>
<th>Missing</th>
</tr>
</thead>
<tbody>
<tr>
<td>$Y R$ N/A</td>
<td>$Y R$ N/A</td>
</tr>
</tbody>
</table>

### Rivets (Huck)

<table>
<thead>
<tr>
<th>Loose</th>
<th>Missing</th>
</tr>
</thead>
<tbody>
<tr>
<td>$Y R$ N/A</td>
<td>$Y R$ N/A</td>
</tr>
</tbody>
</table>

### Hold Down Devices

<table>
<thead>
<tr>
<th>Spring Housing</th>
<th>Derails</th>
</tr>
</thead>
<tbody>
<tr>
<td>$Y R$ N/A</td>
<td>$Y R$ N/A</td>
</tr>
</tbody>
</table>

### 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 $Y R$

### Remarks on page 3

GM-JC 11-10-2011
Remarks

1. Loose Brace

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: 12-15-13

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

Date: 12/19/13
Watchman: D. BYRD

1 Location: HAHR BURG
2 Switch I.D. #: 42.3B
3 Facing: X trailing

Rail Points
4 Point to Point: 51 3/8
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
6a Point Opening: N ½ R ½

7 Fit: SYR
8 General Condition of the Points: SYR

Gage
9 Heel of Switch: 50 3/8
10 Main: 50 3/8
11 Gage ahead of Bend: 50 3/8
   Must not be less than 56 inches or more than 57 inches for “S”
12 Heel Spread in Inches: Turnout 9 1/8
13 Main: 6 3/8

Stock Rail
14 Bend: SYR
15 Condition: SYR

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

Switch Rods
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 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

Remarks on page 3

GMC 11-10-2011
### Mainline Frog Inspection Report Semi-Annual

<table>
<thead>
<tr>
<th>Location</th>
<th>50 Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Switch I.D. #</td>
<td>50a Switch I.D. #</td>
</tr>
<tr>
<td>Facing</td>
<td>51 Facing</td>
</tr>
<tr>
<td>Tread</td>
<td>52 Frog Tread</td>
</tr>
<tr>
<td>R</td>
<td>S Y R</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>53 Frog #</th>
<th>53 Frog #</th>
</tr>
</thead>
<tbody>
<tr>
<td>G</td>
<td>G</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>54/79 Point Condition</th>
<th>54/79 Point Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>$Y R</td>
<td>$Y R</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Condition of Frog</th>
<th>55 Condition of Frog</th>
</tr>
</thead>
<tbody>
<tr>
<td>$Y R</td>
<td>$Y R</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Surface of Frog</th>
<th>56 Surface of Frog</th>
</tr>
</thead>
<tbody>
<tr>
<td>$Y R</td>
<td>$Y R</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>57 Throat in Inches</th>
<th>3 5/8</th>
</tr>
</thead>
<tbody>
<tr>
<td>72 Flangeway Depth</td>
<td></td>
</tr>
</tbody>
</table>

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

### Gage

<table>
<thead>
<tr>
<th>Main Track</th>
<th>58 Main Track</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 5/8</td>
<td>3 5/8</td>
</tr>
</tbody>
</table>

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

### Guard Rails

<table>
<thead>
<tr>
<th>Guard Rail Gage</th>
<th>60 Guard Rail Gage</th>
</tr>
</thead>
<tbody>
<tr>
<td>N 3 5/8 3 5/8 3 5/8</td>
<td>R 3 5/8 3 5/8 3 5/8</td>
</tr>
</tbody>
</table>

**Guard Rail Gage must more than 54 3/8"**

<table>
<thead>
<tr>
<th>Back to Back</th>
<th>61 Back to Back</th>
</tr>
</thead>
<tbody>
<tr>
<td>N 5 2/6 5 2/6</td>
<td>R 5 2/6 5 2/6</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Condition</th>
<th>62 Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>$Y R</td>
<td>$Y R</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location of Guard Rail (Relation to Point)</th>
<th>63 Location of Guard Rail (Relation to Point)</th>
</tr>
</thead>
<tbody>
<tr>
<td>$Y R</td>
<td>$Y R</td>
</tr>
</tbody>
</table>

### Guard Rail Clamps

<table>
<thead>
<tr>
<th>Main Track</th>
<th>64 Main Track</th>
</tr>
</thead>
<tbody>
<tr>
<td>$Y R N/A</td>
<td>$Y R N/A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Turnout Track</th>
<th>65 Turnout Track</th>
</tr>
</thead>
<tbody>
<tr>
<td>$Y R N/A</td>
<td>$Y R N/A</td>
</tr>
</tbody>
</table>

### Turnout Ties

<table>
<thead>
<tr>
<th>66 Condition</th>
<th>66 Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>($Y R N/A</td>
<td>($Y R N/A</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Rail Movement</th>
<th>67 Rail Movement</th>
</tr>
</thead>
<tbody>
<tr>
<td>($Y R N/A</td>
<td>($Y R N/A</td>
</tr>
</tbody>
</table>

### Tie Plates

<table>
<thead>
<tr>
<th>Lead</th>
<th>68 Lead</th>
</tr>
</thead>
<tbody>
<tr>
<td>$Y R N/A</td>
<td>$Y R N/A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Guard Rail Flangeway</th>
<th>69 Guard Rail Flangeway</th>
</tr>
</thead>
<tbody>
<tr>
<td>$Y R N/A</td>
<td>$Y R N/A</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Guard Rail Plates</th>
<th>70 Guard Rail Plates</th>
</tr>
</thead>
<tbody>
<tr>
<td>($Y R N/A</td>
<td>($Y R N/A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Frog Plates</th>
<th>71 Frog Plates</th>
</tr>
</thead>
<tbody>
<tr>
<td>$Y R N/A</td>
<td>$Y R N/A</td>
</tr>
</tbody>
</table>

### Bolts

<table>
<thead>
<tr>
<th>Loose</th>
<th>73 Loose</th>
</tr>
</thead>
<tbody>
<tr>
<td>C N/A</td>
<td>C N/A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Missing</th>
<th>74 Missing</th>
</tr>
</thead>
<tbody>
<tr>
<td>. N/A</td>
<td>. N/A</td>
</tr>
</tbody>
</table>

### Rivets (Huck)

<table>
<thead>
<tr>
<th>Loose</th>
<th>75 Loose</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 N/A</td>
<td>0 N/A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Missing</th>
<th>76 Missing</th>
</tr>
</thead>
<tbody>
<tr>
<td>. N/A</td>
<td>. N/A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Nuts Missing</th>
<th>77 Nuts Missing</th>
</tr>
</thead>
<tbody>
<tr>
<td>. N/A</td>
<td>. N/A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cotter Pins Missing</th>
<th>78 Cotter Pins Missing</th>
</tr>
</thead>
<tbody>
<tr>
<td>. N/A</td>
<td>. N/A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Washers (Ok) Broken Missing</th>
<th>79 Washers (Ok) Broken Missing</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Hold Down Devices

<table>
<thead>
<tr>
<th>80 Hold Down Devices</th>
<th>80 Hold Down Devices</th>
</tr>
</thead>
<tbody>
<tr>
<td>($Y R N/A</td>
<td>($Y R N/A</td>
</tr>
</tbody>
</table>

### Spring Housing

<table>
<thead>
<tr>
<th>81 Spring Housing</th>
<th>81 Spring Housing</th>
</tr>
</thead>
<tbody>
<tr>
<td>$Y R N/A</td>
<td>$Y R N/A</td>
</tr>
</tbody>
</table>

### Derails

<table>
<thead>
<tr>
<th>82 Derails</th>
<th>82 Derails</th>
</tr>
</thead>
<tbody>
<tr>
<td>$Y R N/A</td>
<td>$Y R N/A</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Difference</th>
<th>83 Maximum difference in any 31' in Cross Level on the siding from the Frog Point to 50' beyond the last long tie</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

### Condition of Line thru entire turnout

<table>
<thead>
<tr>
<th>84 Condition of Line thru entire turnout</th>
<th>84 Condition of Line thru entire turnout</th>
</tr>
</thead>
<tbody>
<tr>
<td>($Y R</td>
<td>($Y R</td>
</tr>
</tbody>
</table>

### Remarks on page 3

OM 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