Mainline Switch Inspection Report Semi-Annual

Date 6/11/2013

Watchman
1 Location NORTH AVE YARD
2 Switch ID # 19
3 Facing X Trailing

Rail Points
4 Point to Point 51/4
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 51/4 R 51/8
6a Point Opening
N 51/2 R 51/6
7 Fit
(S) Y R
8 General Condition of the Points
(S) Y R

Gage
Heel of Switch
9 Main 561/4
10 Turnout 561/6
11 Gage ahead of Bend 561/4 Must not be less than 56 inches or more than 57 inches for “S”
12 Heel Spread in Inches
Turnout (S) 1/4
13 Main (S) 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 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 1/6/11 10:20:21

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Schuler, W. Bryant, G. Law

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
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 Ketches
(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

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 1/4
72 Flangeway Depth  1 3/8

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

Gage
58 Main Track  36 9%
59 Turnout Track  36 9%

Gage must not be less than 56" any class

Guard Rails
60 Guard Rail Gage N  54 3/4  Y R  54 5/8  Y R

Guard Rail Gage must more than 54 3/8"

61 Back To Back N  52 7/8  Y R  52 7/8

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

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

Frog Inspection Report Semi-Annual

Page 2 of 3

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/A

Guard Rail Flange 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  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

84 Condition of Line thru entire turnout  Y R
3 Ties in a Row Bad 1-10'
2-11'
Pitted Point on Frog + Throat Area

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: 8-19-13

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

Date 8/17/2013
Watchman
1 Location NORTH AVE YARD
2 Switch ID # 21
3 Facing X Trailing

Rail Points
4 Point to Point 5/76
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 7/8, R 4 3/4
6a Point Opening
N 5/4, R 5/4
7 Fit
SYR
8 General Condition of the Points
SYR

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

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 Green Broken Missing

Remarks on page 3

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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
Dry
35 Switch Targets/Lamps
Ok Missing N/A
36 Tatches
Ok Broken Missing
37 Locks
Ok Broken Missing
38 General Condition SYR
39 Insulated Joints SYR
39a Regular Joints SYR

WM 10.11.11
Mainline

Frog Inspection Report Semi-Annual

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

57 Throat in Inches 3
72 Flangeway Depth 1 5/16
Flangeway Depth must not be less than 1 1/2"

Gage
58 Main Track 5/8
59 Turnout Track 5/8
Gage must not be less than 56" any class

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

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

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/A
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 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 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: ________________

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

Date 8/17/2013  Inspection Crew TSCHISLER, WBRYANT, GLAY

Watchman
1 Location NORTH AVE YARD
2 Switch ID # 1
3 Facing × Trailing

Rail Points
4 Point to Point  5 1/2
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 5/8 R 4 3/4
6a Point Opening
N 5 1/8 R 5 1/8
7 Fit SYR
8 General Condition of the Points SYR

Gage
Heel of Switch
9 Main 5 5/8
10 Turnout 5 5/8
11 Gage ahead of Bend 5 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 SYR
15 Condition SYR

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

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

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
Dry
35 Switch Targets/Lamps
OK Missing N/A
36 Latches
OK Broken Missing
37 Locks
OK Broken Missing N/A
38 General Condition SYR
39 Insulated Joints SYR
39a Regular Joints SYR

Remarks on page 3
GMS IC 11-16-2013
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 # 6
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 37 4
72 Flangeway Depth 1 7/8
Flangeway Depth must not be less than 1 1/2"

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 1/2 R 54 1/4
Guard Rail Gage must more than 54 3/8"
61 Back To Back N 52 7/8 R 52 1/4
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

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 O N/A
74 Missing O N/A

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 QR Broken O 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
QR Difference

84 Condition of Line thru entire turnout S Y R
Starting to show curve wear

- Broken Heel Block Bolt - East Heel Block Bolt - 12''
- Wheel burn & spots, East Straight Stock Rake

Side wear prog, Pitted Point & Throat area

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: 8-19-13

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

Date 8/17/2013

Watchman
1 Location NORTH AVE YARD
2 Switch ID # 13
3 Facing X Trailing

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

Gage
Heel of Switch
9 Main 5 3/4
10 Turnout 5 3/4
11 Gage ahead of Bend 5 3/4
Must not be less than 56 inches or more than 57 inches for “S”
12 Heel Spread in Inches
13 Main (3 3/4)

Stock Rail
14 Bend S Y R
15 Condition S 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 O Broken Missing

Remarks on page 3

WO# 1124689

Inspection Crew T SCHISLER, W BRYANT, G CLAM

22 Standard Joints S Y R N/A
23 Switch Plates S Y R
24 Adjustable Braces S Y R N/A T 4
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 Dry
35 Switch Targets Lamps OK Missing NA
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

(Comments: [Redacted])
Mainline

50 Location
50a Switch I.D. 
51 Facing 
52 Frog Track N (Y R 
53 Frog # (Y R 
54/79 Point Condition (Y R 
55 Condition of Frog (Y R 
56 Surface of Frog (Y R 
57 Throat in Inches 3/4 
72 Flangeway Depth 1 ⅛ 
Flangeway Depth must not be less than 1 ⅛”

Gage
58 Main Track 5/8
59 Turnout Track 3/4
Gage must not be less than 56” any class

Guard Rails
60 Guard Rail Gage N 5/4/4 R 5/4
Guard Rail Gage must more than 54 3/8”
61 Back To Back N 5/3/4 R 5/3/4
Back to Back Gage must be less than 53 1/8”
62 Condition (Y R
63 Location of Guard Rail (Relation to Point) (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 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 (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/A
Guard Rail Flangeway can not be less 1 ½”
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 __ 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 3’ 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

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: M. Bayn
Date: 8-19-13

11-10-2011