Mainline

Switch Inspection Report Semi-Annual

Date: 12/18/13
Watchman: J. Byrd

1 Location: Camp, Headie, etc.
2 Switch I.D #: 373-3
3 Facing: Trailing X

Rail Points
4 Point to Point: 517
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 A % R A %
6a Point Opening:
N S R S

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

Gage
Heel of Switch:
9 Main: 36
10 Turnout: 36
11 Gage ahead of Bend: 50
Must not be less than 56 inches or more than 57 inches for “S”
12 Heel Spread in Inches:
Turnout: 6 3/4
Main: 6 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

WO# 1286527 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
50 Location
50a Switch I.D. #
51 Facing Trailing
52 Frog Tread N S Y 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 5 1/4
72 Flangeway Depth 2
Flangeway Depth must not be less than 1 1/2"

Gage
58 Main Track 56 3/16
59 Turnout Track 52 1/16
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 3/16 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 1/4" downgrade to
Class 2 and gets a Y

Remarks on page 3
OMJ: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: 12-19-15

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

Date 12/18/13
Watchman D BYRD
Location CAMP MEADE JCT
Switch # B307_3B
Facing Trailing

Rail Points
4 Point to Point 51 1/2
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 S
6a Point Opening N 5 3/4 R 3 1/2

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

Gage
9 Heel of Switch
10 Main 50 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
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
Mainline

Frog Inspection Report Semi-Annual

Page 2 of 3

50 Location
50a Switch I.D. #
51 Facing
   Trailing
52 Frog Tread
   N Y R
   R Y R
53 Frog # 10
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
58 Main Track
59 Turnout Track
Gage must not be less than 56" any class

Guard Rails
60 Guard Rail Gage
   N 3 3/4 Y R 3 3/8
Guard Rail Gage must more than 54 3/8"
61 Back To Back
   N 2 3/4 Y R 2 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 1/4" downgrade to Class 2 and gets a Y

Remarks on page 3

GMJC 11-10-2011

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 1 3/4 R 1 3/4

Guard Rail Flangeway can not be less 1 3/4"

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

Hold Down Devices
80 Hold Down Devices
   Y R N/A
81 Spring Housing
   Y R (N/A)
82 Derrails
   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

84 Condition of Line thru entire turnout
   Y R
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: 12-19-13

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

Date 12/19/13
Watchman C. Lam
1 Location Bw1 Sta.
2 Switch I.D. # 115
3 Facing X 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 4 9/16 R 4 1/16
6a Point Opening
   N 4 11/16 R 4 1/16
7 Fit
   S Y R
8 General Condition of the Points
   S Y R

Gage
9 Heel of Switch 56 11/16
10 Turnout 56 11/16
11 Gage ahead of Bend 56 11/16
   Must not be less than 56 inches or more than 57 inches for “S”
12 Heel Spread in Inches
   Turnout 56 11/16

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 0 Missing

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
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
GMLC 11-10-11
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 3/8
72 Flangeway Depth 1 1/4
Flangeway Depth must not be less than 1 1/2"

Gage
58 Main Track 5 1/2
59 Turnout Track 5 2 1/2
Gage must not be less than 56" any class

Guard Rails
60 Guard Rail Gage N 5 1/2 % R 5 1/2
Guard Rail Gage must more than 54 3/8"
61 Back To Back N 5 2 1/2 % R 5 2 1/2
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

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 Broken N/A

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
Difference

84 Condition of Line thru entire turnout Y R

Remarks on page 3
GM JC 11-10-2011
WORN FROG PT (SIDEWAYS)
WORN THREAT AREA + PITTING.

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  WO# 1302941  Page 1 of 3

Date 12/19/13  Inspection Crew T. Schisler, R. Nelson

Watchman G. Leam
1 Location Cromwell
2 Switch I.D. # 480
3 Facing N  Trailing

Rail Points
4 Point to Point $7
5 Point Condition $YR Nothing less than 4 inches or greater than 5 inches.
6 Point Throw Min 3 1/2 inches on house top point protected
   N $5.24  R $5.24
6a Point Opening
   N $5  R $5

7 Fit $YR
8 General Condition of the Points $YR

Gage
Heel of Switch
9 Main $3 3/4
10 Turnout $3 3/4
11 Gage ahead of Bend $3 3/4
   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 $YR
15 Condition $YR

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
GMMJC 11-11-2011

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

Switch Rods
25 Front Rod $YR N/A
26 #1 Rod (Basket Rod) $YR
27 #2 Rod $YR
28 #3 Rod $YR N/A
29 #4 Rod $YR N/A
30 Closure Rail $YR
31 Surface of Switch $YR
   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 $YR
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 $YR
39 Insulated Joints $YR
39a Regular Joints $YR
50 Location
50a Switch I.D. 

51 Facing
52 Frog Tread  N  Y Y R  Y Y R

53 Frog # 6
54/79 Point Condition
55 Condition of Frog
56 Surface of Frog

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 5 3/4
59 Turnout Track 5 3/4

Gage must not be less than 56” any class

Guard Rails
60 Guard Rail Gage N 4 3/16 5 3/16

Guard Rail Gage must more than 54 3/8”
61 Back To Back  N 5 1/16  R 5 3/8

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

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 (OK) Broken (Missing)

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

GM JC 11-10-2011

Remarks on page 3
Yellow/Purple Flag Missing From Oneric Switch 5K11A

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 WO# 1293409 Page 1 of 3

Date 12/19/13
Watchman
1 Location CROMWELL
2 Switch I.D. # 469 1B
3 Facing Trailing

Rail Points
4 Point to Point 51/8
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 3/16 R 4 3/16
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 53 7/8
11 Gage ahead of Bend 56 3/16
Must not be less than 56 inches or more than 57 inches for “S”
12 Heel Spread in Inches
Turnout 6 3/8
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 Missing 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
50 Location
50a Switch I.D. #
51 Facing Trailing
52 Frog Tread N Y R R Y R
53 Frog # 10
54/79 Point Condition R Y R
55 Condition of Frog Y R
56 Surface of Frog 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 3 1/2
59 Turnout Track 5 3/8
Gage must not be less than 56" any class
Guard Rails
60 Guard Rail Gage N 54 9/16 R 54 2
Guard Rail Gage must more than 54 3/8"
61 Back To Back N 52 5/16 R 52 7/16
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

Every thing 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 12/19/13
Watchman GLAH
1 Location CROMWELL
2 Switch I.D. # 4841
3 Facing Trailing

Rail Points
4 Point to Point 5
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 7/16 R 4 3/16
6a Point Opening
N 3/8 R 3/8
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
Turnout 1 1/8
Main 1 1/8

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
GMRJC 11-16-2011

WO# 129 3907
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

50 Location
50a Switch I.D. #
51 Facing
52 Frog Tread N \(\text{S} Y R\) R \(\text{S} Y R\)
53 Frog # 10
54/79 Point Condition \(\text{S} Y R\)
55 Condition of Frog \(\text{S} Y R\)
56 Surface of Frog \(\text{S} Y R\)
57 Throat in Inches \(3^{1/4}\)
72 Flangeway Depth \(\text{N/A}\)
Flangeway Depth must not be less than 1 ½”

**Gage**
58 Main Track \(50^{1/4}\)
59 Turnout Track \(56^{1/4}\)
Gage must not be less than 56” any class

**Guard Rails**
60 Guard Rail Gage N \(54^{1/6}\) R \(54^{1/6}\)
Guard Rail Gage must more than 54 3/8”
61 Back To Back N \(52^{1/6}\) R \(52^{1/4}\)
Back to Back Gage must be less than 53 1/8”
62 Condition \(\text{S} Y R\)
63 Location of Guard Rail (Relation to Point) \(\text{S} Y R\)

**Guard Rail Clamps**
64 Main Track \(\text{S} Y R\) N/A
65 Turnout Track \(\text{S} Y R\) 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 ½” downgrade to
Class 2 and gets a Y

**Turnout Ties**
66 Condition \(\text{S} Y R\) N/A
67 Rail Movement \(\text{S} Y R\) N/A

**Tie Plates**
68 Lead \(\text{S} Y R\) N/A
69 Guard Rail Flangeway \(\text{S} Y R N/\frac{1}{8} R/\frac{1}{8}\)
Guard Rail Flangeway can not be less 1 ½”
70 Guard Rail Plates \(\text{S} Y R\) N/A
71 Frog Plates \(\text{S} Y R\) N/A

**Bolts**
73 Loose \(\text{N/A}\)
74 Missing \(\text{N/A}\)

**Rivets (Huck)**
75 Loose \(\text{N/A}\)
76 Missing \(\text{N/A}\)
77 Nuts Missing \(\text{N/A}\)
78 Cotter Pins Missing \(\text{N/A}\)
79 Washers, \(\text{OK}\) Broken Missing \(\text{N/A}\)
80 Hold Down Devices \(\text{S} Y R\) N/A
81 Spring Housing \(\text{S} Y R\) N/A
82 Derails \(\text{S} Y R\) 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
\(\text{OK}\) Difference

84 Condition of Line thru entire turnout \(\text{S} Y R\)

Remarks on page 3

OM:JC 11-10-2011
Remarks

WEAR ON E STOCKBEAM
GRIPPED RH STR PT ½"
RH CV PT SHELLED
BENT #4 ROD

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: 12/19/13  
Watchman: G. LAW  
1 Location: CROMWELL  
2 Switch I.D.: 404-3B  
3 Facing: X  
4 Rail Points  
5 Point to Point: 57  
6 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%  R 5%  
7 Fit:  
   S Y R  
8 General Condition of the Points:  
   S Y R  
9 Gage  
   Heel of Switch:  
   9 Main: 51/2  
   10 Turnout: 51/2  
   11 Gage ahead of Bend: 51/2  
   Must not be less than 56 inches or more than 57 inches for "S"  
12 Heel Spread in Inches:  
   Turnout: 61/2  
13 Main: 6 3/4  

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

Bolts  
16 Loose: 0  
17 Missing: 0  

Rivets (Huck Bolts)  
18 Loose: 0  
19 Missing: 0  
20 Cotter Pins Missing: 0  
21 Jam Nuts Loose: 0  
21a Washers: Ok  

Remarks on page 3  

GARIC 11-10-2011
### Mainline

**Frog Inspection Report Semi-Annual**

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>50 Location</td>
<td></td>
<td></td>
</tr>
<tr>
<td>50a Switch I.D. #</td>
<td></td>
<td></td>
</tr>
<tr>
<td>51 Facing</td>
<td>Trailing</td>
<td></td>
</tr>
<tr>
<td>52 Frog Tread</td>
<td>N</td>
<td>Y</td>
</tr>
<tr>
<td></td>
<td>R</td>
<td>Y</td>
</tr>
<tr>
<td>53 Frog #</td>
<td></td>
<td></td>
</tr>
<tr>
<td>54/79 Point Condition</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Y</td>
<td>R</td>
</tr>
<tr>
<td>55 Condition of Frog</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Y</td>
<td>R</td>
</tr>
<tr>
<td>56 Surface of Frog</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Y</td>
<td>R</td>
</tr>
<tr>
<td>57 Throat in Inches</td>
<td>3</td>
<td>1/2</td>
</tr>
<tr>
<td>72 Flangeway Depth</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Flangeway Depth must not be less than 1 1/2”</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>58 Main Track</td>
<td></td>
<td></td>
</tr>
<tr>
<td>59 Turnout Track</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Gage must not be less than 56”</strong> any class</td>
<td></td>
<td></td>
</tr>
<tr>
<td>60 Guard Rail Gage</td>
<td>N</td>
<td>5 3/8</td>
</tr>
<tr>
<td><strong>Guard Rail Gage must more than 54 3/8”</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>61 Back To Back</td>
<td>N</td>
<td>5 5/8</td>
</tr>
<tr>
<td><strong>Back to Back Gage must be less than 53 1/8”</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>62 Condition</td>
<td></td>
<td>Y</td>
</tr>
<tr>
<td>63 Location of Guard Rail (Relation to Point)</td>
<td></td>
<td>Y</td>
</tr>
<tr>
<td><strong>Guard Rail Clamps</strong></td>
<td></td>
<td></td>
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<tr>
<td>64 Main Track</td>
<td></td>
<td>Y</td>
</tr>
<tr>
<td>65 Turnout Track</td>
<td></td>
<td>Y</td>
</tr>
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</table>

**Turnout Ties**

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>66 Condition</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Y</td>
<td>R</td>
</tr>
<tr>
<td>67 Rail Movement</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Y</td>
<td>R</td>
</tr>
<tr>
<td><strong>Tie Plates</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>68 Lead</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Y</td>
<td>R</td>
</tr>
<tr>
<td>69 Guard Rail Flangeway</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Y</td>
<td>R</td>
</tr>
<tr>
<td><strong>Guard Rail Flangeway can not be less 1 1/2”</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>70 Guard Rail Plates</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Y</td>
<td>R</td>
</tr>
<tr>
<td>71 Frog Plates</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Y</td>
<td>R</td>
</tr>
</tbody>
</table>

**Bolts**

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>73 Loose</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>N/A</td>
</tr>
<tr>
<td>74 Missing</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Rivets (Huck)**

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>75 Loose</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>N/A</td>
</tr>
<tr>
<td>76 Missing</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>N/A</td>
</tr>
<tr>
<td>77 Nuts Missing</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>N/A</td>
</tr>
<tr>
<td>78 Cotter Pins Missing</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>N/A</td>
</tr>
<tr>
<td>79 Washers</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Broken</td>
</tr>
</tbody>
</table>

**Hold Down Devices**

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>80 Hold Down Devices</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Y</td>
<td>R</td>
</tr>
<tr>
<td>81 Spring Housing</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Y</td>
<td>R</td>
</tr>
<tr>
<td>82 Derails</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Y</td>
<td>R</td>
</tr>
</tbody>
</table>

**83 Maximum difference in any 31” in Cross**

**Level on the siding from the Frog Point to 50’ beyond the last long tie**

<p>| | | |</p>
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<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td></td>
<td>OK</td>
<td>Difference</td>
</tr>
</tbody>
</table>

**84 Condition of Line thru entire turnout**

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Y</td>
<td>R</td>
</tr>
</tbody>
</table>

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**Remarks on page 3**

GM:JC 11-10-2011
Leaves in SW PT Area - Fire Hazard

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** 12/19/13

**Watchman** G. LAM

1. Location CROMWELL
2. Switch I.D. # 484 3A
3. Facing X Trailing

**Rail Points**

4. Point to Point 51 1/4

5. Point Condition

- 22 Standard Joints
- 23 Switch Plates

6. Point Throw

- Min. 3 1/2 inches on house top point protected

7. Fit

- 24 Adjustable Braces

8. General Condition of the Points

- 24a Non-Adjustable Braces

**Gage**

9. Main 5 7/8

10. Turnout 5 3/8

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 8 9/16

13. Main 8 9/16

**Stock Rail**

14. Bend

- 32 Head Block Ties

15. Condition

- 33 Switch Adjustments

**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 N/A

21b Washers Ok Missing N/A

**Switch Rods**

25. Front Rod

- 26 #1 Rod (Basket Rod)

27. #2 Rod

- 28 #3 Rod

29. #4 Rod

- 30 Closure Rail

**Surface of Switch**

- 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, Great than 13/4” is Out of Service

32. Head Block Ties

- 33 Switch Adjustments

34. Lubrication

- Ok Dry

35. Switch Targets/Lamps

- Ok Missing

36. Latches

- Ok Broken Missing

37. Locks

- Ok Broken Missing

**Remarks on page 3**
Mainline

**Frog Inspection Report Semi-Annual**

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 3/8
52 Flangeway Depth  __

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

**Gage**
58 Main Track  50 3/8
59 Turnout Track  50 1/2

Gage must not be less than 56” any class

**Guard Rails**
60 Guard Rail Gage  N 54 1/2  R 54 3/4

Guard Rail Gage must more than 54 3/8”

61 Back To Back  N 52 1/4  R 52 1/8

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

**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 1 3/16  R 1 3/4

Guard Rail Flangeway cannot 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 Broken Missing N/A

**Hold Down Devices**
80 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

**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: ___________________________ Date: ___________________________

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

Date: 12/19/13
Watchman: G. L. H.
Location: Cromwell
Switch ID #: 498-3
 Facing: Trailing

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

Gage
Heel of Switch: 56 1/4
9 Main: 56 3/4
10 Turnout: 56 1/2
11 Gage ahead of Bend: Must not be less than 56 inches or more than 57 inches for “S”
12 Heel Spread in Inches: 0 1/2
13 Main: 0 1/2

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

Bolts
16 Loose: 0
17 Missing: N/A

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

Remarks on page 3

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: N/A
30 Closure Rail: Y R N/A
31 Surface of Switch: Y R
32 Head Block Ties: N/A
33 Switch Adjustments:

34 Lubrication
Ok: Dry

35 Switch Targets/Lamps
Ok: Missing

36 Latches
Ok: Broken

37 Locks
Ok: Broken

38 General Condition
Y R
39 Insulated Joints: Y R
39a Regular Joints: Y R

WO# 1293914 Page 1 of 3
Mainline  Frog Inspection Report Semi-Annual  Page 2 of 3

50 Location
50a Switch I.D. #
51 Facing  Trailing
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 3/8
58 Main Track  S 3/8
59 Turnout Track  S 3/8

Gage must not be less than 56" any class

Guard Rails
60 Guard Rail Gage  N  S 4 3/8  R  S 4 3/8
Guard Rail Gage must more than 54 3/8"
61 Back To Back  N  S 2 1/2  R  S 2 1/2
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

GMJC 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 1 3/8 R / S 3/8
Guard Rail Flangeway can not be less 1 3/8"
70 Guard Rail Plates  S Y R N/A
71 Frog Plates  S Y R N/A

Bolts
72 Loos  S N/A
74 Missing  S N/A

Rivets (Huck)
75 Loose  S N/A
76 Missing  S N/A
77 Nuts Missing  S N/A
78 Cotter Pins Missing  S N/A
79 Washers  S Broken  S Missing  S 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
S 31' 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: ___________________________ Date: __________________

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

**Date:** 12/19/13  
**Watchman:** G. LAM  
**Location:** CROMWELL  
**Switch I.D. #:** 488 - 1  
**Facing:** X  
**Trailing**

**Rail Points**  
4 Point to Point: 51 1/8  
5 Point Condition: S Y R  
6 Point Throw: Min 3 1/2 inches on house top point protected  
6a Point Opening: N 4 5/8 R 4 1/4  
7 Fit: S Y R  
8 General Condition of the Points: S Y R  
9 Gage  
10 Main: 52 1/2  
11 Turnout: 52 7/16  
12 Heel Spread: 1 1/4  
13 Main: 6 3/4

**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  
21b Broken: N/A  
21c Missing

**Remarks on page 3**  
GMJR 11-10-2011

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**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

**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

**Closure Rail**  
30 Closure Rail: S Y R

**Surface of Switch**  
31 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”  
32 Head Block Ties: S Y R

**Switch Adjustments**  
33 Switch Adjustments: Yes  
34 Lubrication: Dry  
35 Switch Targets/Lamps: Missing  
36 Latches: Ok  
37 Locks: Ok  
38 General Condition: S Y R  
39 Insulated Joints: S Y R  
39a Regular Joints: S Y R
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 3/4
72 Flangeway Depth 2
Flangeway Depth must not be less than 1 1/2"
58 Main Track 56 3/4
59 Turnout Track 56 3/4
Gage must not be less than 56" any class
Guard Rails
60 Guard Rail Gage N 54 1/2 R 54 3/8
Guard Rail Gage must more than 54 3/8"
61 Back To Back N 52 3/4 R 52 3/8
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

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: ___________________________ Date: ________________________

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

Date 12/09/13

Watchman G L A H
1 Location B W J (FUEL RAIL)
2 Switch I.D. # 104
3 Facing Trailing X

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

Gage
Heel of Switch
9 Main 57 5/6
10 Turnout 5 5/6
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 Turnout 6 4/6
13 Main 6 4/6

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

GMHC 11-10-2011

WO# 1300910

Inspection Crew T S C H I S L E R R N E L S O N

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

Surface of Switch
31 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

50 Location _______________________

50a Switch I.D. # ___________________

51 Facing ____________________

52 Frog Tread N Y R

R Y R

53 Frog # 15

54/79 Point Condition

$ Y R

55 Condition of Frog

$ Y R

56 Surface of Frog

$ Y R

57 Throat in Inches 2 5/16

72 Flangeway Depth ________

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

Gage

58 Main Track 56 3/6

59 Turnout Track 56 3/6

Gage must not be less than 66” any class

Guard Rails

60 Guard Rail Gage N 54 7/6 R 54 5/6

Guard Rail Gage must more than 54 3/8”

61 Back To Back N 52 3/6 R 52 13/6

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

$ 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
# Switch Inspection Report Semi-Annual

**Date:** 12-30  
**Watchman:** N/A  
**Location:** N/A  
**Switch ID #:** 941B  
**Facing:** Trailing  

## Rail Points
- **Point to Point:** 50 34  
- **Point Condition:** SYR  
- **Point Throw:** Min 3 1/2 inches on house top point protected  

## Gage
- **Heel of Switch:** SYR  
- **Main:** 5.4 X  
- **Turnout:** 5.4 X  
- **Gage ahead of Bend:** Must not be less than 56 inches or more than 57 inches for "S"  

## Heel Spread in Inches
- **Main:**  
- **Turnout:**  

## Stock Rail
- **Bend:** SYR  
- **Condition:** SYR  

## Bolts
- **Loose:** 0  
- **Missing:** N/A  

## Rivets (Huck Bolts)
- **Loose:** 0  
- **Missing:** N/A  

## Remarks on page 3

**WO#** 124786  
**Page 1 of 3**
Mainline

Frog Inspection Report Semi-Annual

50 Location North Ave Yard
50a Switch I.D. #
51 Facing Trailing
52 Frog Tread N 5 Y R
R 5 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
58 Main Track 56 1/2
59 Turnout Track N/A
Gage must not be less than 56" any class

Guard Rails
60 Guard Rail Gage N 54 3/8 R N/A
Guard Rail Gage must more than 54 3/8"
61 Back To Back N 53 1/4 R N/A
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 1/4" 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/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 0 N/A
76 Missing O N/A
77 Nuts Missing O N/A
78 Cotter Pins Missing O N/A
79 Washers Ok Broken Missing N/A

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: ___________________________________________ Date: ____________________________

11-10-2011
<table>
<thead>
<tr>
<th>Date</th>
<th>12-30-13</th>
<th>Inspection Crew</th>
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<tbody>
<tr>
<td>Watchman</td>
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<tr>
<td>Location</td>
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<td>Rail Points</td>
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<td>6 Point Throw</td>
<td>Min 3 1/2 inches on house top point protected</td>
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<td>6a Point Opening</td>
<td>N 4 1/2 R</td>
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<td>7 Fit</td>
<td>Y R</td>
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<td>8 General Condition of the Points</td>
<td>Y R</td>
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<td>Gage</td>
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<td>Heel of Switch</td>
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<tr>
<td>9 Main</td>
<td>56 1/2</td>
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<td>10 Turnout</td>
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<td>11 Gage ahead of Bend</td>
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<tr>
<td>13 Main</td>
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<td>Stock Rail</td>
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<td>14 Bend</td>
<td>Y R</td>
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<td>15 Condition</td>
<td>Y R</td>
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<td>Bolts</td>
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<td>21a Washers</td>
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<td>Missing</td>
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<tr>
<td>Remarks on page 3</td>
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GMC/C 11-16-2011
Mainline

Frog Inspection Report Semi-Annual

Page 2 of 3

50 Location __North Ave. Yard__
50a Switch I.D. __94.59__
51 Facing __Trailing__
52 Frog Tread N S Y R R S Y R
53 Frog # __6__
54/79 Point Condition __Y R__
55 Condition of Frog __Y R__
56 Surface of Frog __Y R__
57 Throat in Inches __2 1/4__
72 Flangeway Depth __2__
Flangeway Depth must not be less than 1 1/2"

Gage
58 Main Track __5 1/4__
59 Turnout Track __N/A__
Gage must not be less than 56" any class

Guard Rails
60 Guard Rail Gage N __5 3/4__ R __N/A__

Guard Rail Gage must more than 54 3/8"
61 Back To Back N __5 3/4__ R __N/A__

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

GMJC 11-10-2011

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 __C__ N/A
76 Missing __N/A__
77 Nuts Missing __N/A__
78 Cotter Pins Missing __N/A__
79 Washers __Ok__ Broken __N/A__ 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 __N/A__

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 | WO# 1247837

Date 12-30-13 | Inspection Crew A. Smith & J. Brock

Watchman: North Ave.

1 Location North Ave.

2 Switch I.D. # 943B

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 5 R N/A

6a Point Opening
N 5 1/4 R N/A

7 Fit SYR

8 General Condition of the Points SYR

Gage
Heel of Switch

9 Main

10 Turnout

11 Gage ahead of Bend 5

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

12 Heel Spread in Inches

Turnout

13 Main 3 1/4

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 Broken N/A

Remarks on page 3

22 Standard Joints

23 Switch Plates

24 Adjustable Braces

24a Non-Adjustable Braces

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 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
<table>
<thead>
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<td>52 Frog Tread</td>
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<td>S Y R</td>
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<td>53 Frog #</td>
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<td>55 Condition of Frog</td>
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<td>62 Condition</td>
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<td>63 Location of Guard Rail (Relation to Point)</td>
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<td>Guard Rail Clamps</td>
<td>64 Main Track</td>
<td>S Y R N/A</td>
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<td>65 Turnout Track</td>
<td>S Y R N/A</td>
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<td>Class 1 Gage 56&quot; to 57 1/2&quot;</td>
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<td>More than 57 1/2&quot; Out of Service</td>
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<td>Class 3 Gage 56&quot; to 57&quot;</td>
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<tr>
<td>More than 57&quot; to 57 1/2&quot; downgrade to Class 2 and gets a Y</td>
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**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

**Rivets (Huck)**
- 73 Loose
  - 0 N/A
- 74 Missing
  - 0 N/A

**Bolts**
- 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 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: __________________________________________ Date: __________________________

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

Date: 12-30-13
Watchman
1 Location: 9th Ave. Yard
2 Switch I.D. #: 94 1A
3 Facing: Trailing

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

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

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: Broke Missing

Remarks on page 3

WO# 1247859 Page 1 of 3

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

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, Great 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

GMIC 11-10-2011
Mainline

50 Location North Ave Yard
50a Switch L.D. # 04-60
51 Facing Trailing
52 Frog Tread N S Y R
          R S Y R
53 Frog # 47
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
58 Flangeway Depth 2

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

Gage
58 Main Track S 1/2 R
59 Turnout Track S

Gage must not be less than 56" any class

Guard Rails
60 Guard Rail Gage N S 1/2 R N/A
Guard Rail Gage must more than 54 3/8"
61 Back To Back N S 1/2 R N/A
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/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 Ok Broken Missing N/A

80 Hold Down Devices S Y R N/A
81 Spring Housing S Y R N/A
82 Details 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.