

# MONTHLY/QUARTERLY SWITCH INSPECTION

SWITCH # N 21

DATE: 8-14-19

**MONTHLY MAIN LINE:** FRA PART (213.133) & (213.135)

1. Sweep, Clean and Lubricate Switch Plates C
2. Check Condition and Fit of Switch Points C
3. Check Stock Rails C
4. Check Rail Braces C
- 5. Check Insulated/Non-Insulated Joints R S.
6. Check Closure and Running Rails C
7. Check Frog - Point Wear C
8. Check Tread Portion of Frog Casting for Wear C
9. Check Frog, Fasteners, Ties, and Plates C
10. Check Guard Rails – Flangeway, Fasteners, Plates C
11. Check Ballast C
12. Check Walkway Condition C
13. Check Rail Surface and Alignment C
14. Check Cotter Keys C
15. Check Switch Stand Mechanism and Operation C
16. Check Switch Stand, Targets Handles, and Operating Rods C
17. Check Switch Locks and Keepers securement C
18. Check Switch Boxes, Covers C
19. Check Rail, Ties, and Joints in Crossovers/Turnouts C

**QUARTERLY MAIN LINE** \_\_\_\_\_

20. Measure Frog Flangeway Depth (min 1½") (213.137)
21. Measure Frog Flangeway Width (min 1½") (213.133)
22. Measure Guard Check Gage (min 4' 6¾") (213.143)
23. Measure Guard Face Gage (max 4' 5⅛") (213.143)
24. Spring Buffer Return (7-20sec)

S  
M/D  
M/D  
M/D  
M/D  
M/D  
sec

I  
M/D  
M/D  
M/D  
M/D  
M/D  
sec

**213.139 Spring Rail Frogs**

- 25. Ensure the outer edge of a wheel tread is not in contact the gage side of the spring wing rail. N/A
- 26. Ensure the toe of each wing rail is solidly tamped, and all bolts are tight. N/A
- 27. Check for bolt hole defects or head-web separation & replace as necessary N/A
- 28. Ensure that each spring has compression sufficient to hold the wing rail against N/A
- 29. Check the clearance between the hold-down housing and the horn and ensure that it is no more than 1/4" (inch). N/A

**QUARTERLY YARD (213.141)**

S      I

- 30. Measure Wear on Raised Guard (worn no more than 3/8")

N/A      N/A

**Items Adjusted Or Repaired:**

- 1. TIGHTEN FROG BOLTS.
- 2. TIGHTEN RAIL BRACES.
- 3. TIGHTEN INSULATED JOINT BAR BOLTS.

**Repairs Or Replacement Needing To Be Scheduled :**

- #S 1. Replace insulated JOINT BOLT, (NORTH RAIL) 4 EA.
- 2. Replace ply wood impedance Box, Signal N 721.
- 3. \_\_\_\_\_

**Code: C: Checked And No Further Action Needed**

**A: Adjusted Or Repaired**

**RS: Repairs Or Replacement Needing To Be Scheduled**

**N/A: Not Applicable**

Employee Clock No. 2589

Signature: \_\_\_\_\_

8-14-19

## MONTHLY/QUARTERLY SWITCH INSPECTION

SWITCH # N-35

DATE: 8-13-14

**MONTHLY MAIN LINE:** FRA PART (213.133) & (213.135)

1. Sweep, Clean and Lubricate Switch Plates C
2. Check Condition and Fit of Switch Points C
3. Check Stock Rails C
4. Check Rail Braces C
5. Check Insulated/Non-Insulated Joints C
6. Check Closure and Running Rails C
7. Check Frog - Point Wear C
8. Check Tread Portion of Frog Casting for Wear C
9. Check Frog, Fasteners, Ties, and Plates C
10. Check Guard Rails – Flangeway, Fasteners, Plates C
11. Check Ballast C
12. Check Walkway Condition C
13. Check Rail Surface and Alignment C
14. Check Cotter Keys C
15. Check Switch Stand Mechanism and Operation C
16. Check Switch Stand, Targets Handles, and Operating Rods C
17. Check Switch Locks and Keepers securement C
18. Check Switch Boxes, Covers C
19. Check Rail, Ties, and Joints in Crossovers/Turnouts C

**QUARTERLY MAIN LINE** \_\_\_\_\_

20. Measure Frog Flangeway Depth (min 1½") (213.137)
21. Measure Frog Flangeway Width (min 1½") (213.133)
22. Measure Guard Check Gage (min 4' 6¾") (213.143)
23. Measure Guard Face Gage (max 4' 5⅛") (213.143)
24. Spring Buffer Return (7-20sec)

S  
M/A

I  
M/A

M/A

M/A

M/A

M/A

M/A

M/A

M/A  
sec

M/A  
sec

**213.139 Spring Rail Frogs**

- 25. Ensure the outer edge of a wheel tread is not in contact the gage side of the spring wing rail. M/A
- 26. Ensure the toe of each wing rail is solidly tamped, and all bolts are tight. M/A
- 27. Check for bolt hole defects or head-web separation & replace as necessary M/A
- 28. Ensure that each spring has compression sufficient to hold the wing rail against M/A
- 29. Check the clearance between the hold-down housing and the horn and ensure that it is no more than 1/4" (inch). M/A

**QUARTERLY YARD (213.141)**

S      I  
M/A      M/A

30. Measure Wear on Raised Guard (worn no more than 3/8")

**Items Adjusted Or Repaired:**

- 1. None
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_

**Repairs Or Replacement Needing To Be Scheduled :**

- 1. NO PROBLEMS FOUND
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_

**Code: C: Checked And No Further Action Needed**  
**A: Adjusted Or Repaired**  
**RS: Repairs Or Replacement Needing To Be Scheduled**  
**N/A: Not Applicable**

Employee Clock No. 2589

Signature: \_\_\_\_\_

8/13/19

**MONTHLY/QUARTERLY SWITCH INSPECTION**

SWITCH # N33B

DATE: 8-13-19

**MONTHLY MAIN LINE:** FRA PART (213.133) & (213.135)

- 1. Sweep, Clean and Lubricate Switch Plates C
- 2. Check Condition and Fit of Switch Points C
- 3. Check Stock Rails C
- 4. Check Rail Braces C
- 5. Check Insulated/Non-Insulated Joints C
- 6. Check Closure and Running Rails C
- 7. Check Frog - Point Wear C
- 8. Check Tread Portion of Frog Casting for Wear C
- 9. Check Frog, Fasteners, Ties, and Plates C
- 10. Check Guard Rails – Flangeway, Fasteners, Plates C
- 11. Check Ballast C
- 12. Check Walkway Condition C
- 13. Check Rail Surface and Alignment C
- 14. Check Cotter Keys C
- 15. Check Switch Stand Mechanism and Operation C
- 16. Check Switch Stand, Targets Handles, and Operating Rods C
- 17. Check Switch Locks and Keepers securement C
- 18. Check Switch Boxes, Covers C
- 19. Check Rail, Ties, and Joints in Crossovers/Turnouts C

**QUARTERLY MAIN LINE** \_\_\_\_\_

- |  |                        |                        |
|--|------------------------|------------------------|
| 20. Measure Frog Flangeway Depth (min 1½") (213.137) | <u>S</u><br><u>M/D</u> | <u>T</u><br><u>M/D</u> |
| 21. Measure Frog Flangeway Width (min 1½") (213.133) | <u>M/D</u>             | <u>M/D</u>             |
| 22. Measure Guard Check Gage (min 4' 6¾") (213.143)  | <u>M/D</u>             | <u>M/D</u>             |
| 23. Measure Guard Face Gage (max 4' 5⅛") (213.143)   | <u>M/D</u>             | <u>M/D</u>             |
| 24. Spring Buffer Return (7-20sec)                   | <u>M/D</u><br>sec      | <u>M/D</u><br>sec      |

**213.139 Spring Rail Frogs**

- 25. Ensure the outer edge of a wheel tread is not in contact the gage side of the spring wing rail. MP
- 26. Ensure the toe of each wing rail is solidly tamped, and all bolts are tight. MP
- 27. Check for bolt hole defects or head-web separation & replace as necessary MP
- 28. Ensure that each spring has compression sufficient to hold the wing rail against MP
- 29. Check the clearance between the hold-down housing and the horn and ensure that it is no more than 1/4" (inch). MP

**QUARTERLY YARD (213.141)**

30. Measure Wear on Raised Guard (worn no more than 3/8")

S  
MP

I  
MP

**Items Adjusted Or Repaired:**

- 1. None
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_

**Repairs Or Replacement Needing To Be Scheduled :**

- 1. NO PROBLEMS FOUND
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_

**Code: C: Checked And No Further Action Needed**  
**A: Adjusted Or Repaired**  
**RS: Repairs Or Replacement Needing To Be Scheduled**  
**N/A: Not Applicable**

Employee Clock No. 2589

Signature: \_\_\_\_\_

8/13/19

# MONTHLY/QUARTERLY SWITCH INSPECTION

SWITCH # N33A

DATE: 8-13-19

**MONTHLY MAIN LINE:** FRA PART (213.133) & (213.135)

1. Sweep, Clean and Lubricate Switch Plates C
2. Check Condition and Fit of Switch Points C
3. Check Stock Rails C
4. Check Rail Braces C
5. Check Insulated/Non-Insulated Joints C
6. Check Closure and Running Rails C
7. Check Frog - Point Wear C
8. Check Tread Portion of Frog Casting for Wear C
9. Check Frog, Fasteners, Ties, and Plates C
10. Check Guard Rails – Flangeway, Fasteners, Plates C
11. Check Ballast C
12. Check Walkway Condition C
13. Check Rail Surface and Alignment C
14. Check Cotter Keys C
15. Check Switch Stand Mechanism and Operation C
16. Check Switch Stand, Targets Handles, and Operating Rods C
17. Check Switch Locks and Keepers securement C
18. Check Switch Boxes, Covers C
19. Check Rail, Ties, and Joints in Crossovers/Turnouts C

**QUARTERLY MAIN LINE** \_\_\_\_\_

- |  |                         |                         |  |
|--|-------------------------|-------------------------|--|
| 20. Measure Frog Flangeway Depth (min 1½") (213.137) | <u>S</u><br><u>MP</u>   | <u>T</u><br><u>MP</u>   |  |
| 21. Measure Frog Flangeway Width (min 1½") (213.133) | <u>MP</u>               | <u>MP</u>               |  |
| 22. Measure Guard Check Gage (min 4' 6¾") (213.143)  | <u>MP</u>               | <u>MP</u>               |  |
| 23. Measure Guard Face Gage (max 4' 5½") (213.143)   | <u>MP</u>               | <u>MP</u>               |  |
| 24. Spring Buffer Return (7-20sec)                   | <u>MP</u><br><u>sec</u> | <u>MP</u><br><u>sec</u> |  |

**213.139 Spring Rail Frogs**

- 25. Ensure the outer edge of a wheel tread is not in contact the gage side of the spring wing rail. M/A
- 26. Ensure the toe of each wing rail is solidly tamped, and all bolts are tight. M/A
- 27. Check for bolt hole defects or head-web separation & replace as necessary M/A
- 28. Ensure that each spring has compression sufficient to hold the wing rail against M/A
- 29. Check the clearance between the hold-down housing and the horn and ensure that it is no more than 1/4" (inch). M/A

**QUARTERLY YARD (213.141)**

30. Measure Wear on Raised Guard (worn no more than 3/8")

S      I  
M/A      M/A

**Items Adjusted Or Repaired:**

- 1. \_\_\_\_\_ None
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_

**Repairs Or Replacement Needing To Be Scheduled :**

- 1. \_\_\_\_\_ NO PROBLEMS FOUND.
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_

**Code: C: Checked And No Further Action Needed**  
**A: Adjusted Or Repaired**  
**RS: Repairs Or Replacement Needing To Be Scheduled**  
**N/A: Not Applicable**

Employee Clock No. 2589

Signature: \_\_\_\_\_

8/13/19