

BEFORE THE  
UNITED STATES DEPARTMENT OF TRANSPORTATION

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FEDERAL RAILROAD ADMINISTRATION

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FRA WAIVER PETITION DOCKET No. FRA-2018-0049

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Brake System Safety Standards for Freight and Other Non-passenger  
Trains and Equipment, End-Of-Train Devices

(49 C.F.R. Part 232)

July 20, 2021

STATEMENT OF RICHARD A. JOHNSON, GENERAL PRESIDENT,  
BROTHERHOOD OF RAILWAY CARMEN DIVISION  
TRANSPORTATION COMMUNICATIONS UNION/IAM

3 Research Place  
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## ***I. Introduction.***

My name is Richard A. Johnson. I am the General President, Brotherhood Railway Carmen Division, Transportation Communications Union (BRC) and a National Vice President of the Transportation Communications Union (TCU/IAM). I have been a Carman for 50 years, beginning in 1971 on the former Milwaukee Road at Bensonville, Illinois, and I am personally familiar with the Federal Railroad Administration's (FRA) regulations that set forth safety standards for rail equipment.

BRC appreciates this opportunity to participate in the regulatory process, and brings to that process an enormous wealth of experience and practical knowledge in the area of railroad safety. Our experience has taught us that full compliance with FRA's safety regulations is the surest way to improve railroad safety and, to that end, BRC will address the safety and other issues raised by this petition for waiver.

On April 12, 2019, the FRA granted the BNSF Railway Company (BNSF) a test waiver to conduct a pilot program on a segment of its system known as BNSF's Southern Transcon Route to "demonstrate that the use of wheel temperature detectors (WTD) to prove brake health effectiveness (BHE) will improve safety, reduce risks to employees, and provide cost savings to the industry." More specifically, this regulatory relief applied to certain intermodal trains on the Southern Transcon Route originating in California and traveling via Belen, New Mexico, to Chicago, Illinois (and vice versa).

In a petition dated April 15, 2020, BNSF next requested FRA to modify the granted regulatory relief to expand its pilot program to include: (1) additional origination and departure points along BNSF's Southern Transcon Route; and (2) origination and departure points on BNSF's Northern Intermodal Route, between Portland, Oregon; Seattle and Tacoma, Washington; and the Greater Chicago, Illinois, region (S, Q, and Z Trains); and any unit coal and grain trains that could traverse this northern route.

By letter dated May 27, 2020, FRA granted an expansion to additional origination and departure points along BNSF's Southern Transcon Route and for the carrier's Northern Intermodal Route to operate intact with up to approximately 2,600 miles between brake tests. The expansion onto the Northern Intermodal Route operated under the following conditions. First, each test train would receive a Class I airbrake test and pre-departure test at Portland, Oregon; Seattle or Tacoma, Washington; or in the Greater Chicago, Illinois region. Next, test trains would then pass WTD monitors located both east and west of Havre, Montana, to record braking performance through power braking events. Finally, if there was any doubt about WTD system performance, reliability and data quality or fewer than 95 percent of the brake valves in the consist have qualified brakes as verified by the automated WTD system, a manual intermediate inspection would be performed at Havre, Montana, (the designated inspection point).

Together, the initial relief granted by FRA on April 15, 2019 and subsequent expansion of the waiver as of the FRA's May 27, 2020 letter, provides BNSF certain relief from 49 CFR 232.15, Movement of defective equipment; 49 CFR 232.103(f), General requirements for all

train brake systems; 49 CFR 232.213, Extended haul trains; and a statutory exemption from the requirements of title 49, United States Code section 20303.

On March 18, 2021, BNSF again petitioned FRA for an expansion of the current test waiver of compliance from certain provisions of the Federal railroad safety regulations contained at 49 CFR part 232, Brake System Safety Standards for Freight and Other Non-Passenger Trains and Equipment; End-Of-Train Devices. In its current petition, BNSF states the test waiver committee for BHE has been actively reviewing the data generated since August 2018, and during that time, BNSF has tested more than 5,500 trains. BNSF contends that the test waiver on the Southern Transcon intermodal trains and the Northern Transcon grain trains has been a success and now requests to expand its BHE initiative onto BNSF's coal network in a two-phase program: (1) The addition of the Pike's Peak route with detectors at Monument and Castle Rock, and (2) the addition of the Sand Hills route with detectors at testing sites.

BNSF states that coal trains in this program would be subject to the same requirements for training completion of all related work groups, and the detectors would not be activated until training records are provided to the test waiver committee. BNSF claims that it is prepared to begin training on BHE processes in Denver, Colorado; Alliance, Nebraska; Temple, Texas; and Amarillo, Texas, in March and May 2021. For the reasons provided below, BRC requests that FRA deny BNSF's petition to expand the test waiver.

## ***II. Discussion.***

BNSF's petition to further expand the test waiver should be denied. BRC representatives have attended the test waiver committee meetings, participated in the conference calls regarding the test waiver and challenged BNSF's position on the processes that needed to be implemented to collect accurate information for the test waiver database. Currently, the test waiver committee consists of representatives from the railroad industry, rail labor and inspectors from the FRA. At the April 23, 2021 test waiver committee meeting, BRC filed a dissent letter noting our concerns with the expansion. Below is a summary of April 13, 2021 meeting minutes and our dissent letter that is relevant to our comment.

### **BHE Program Quarterly Update April 13, 2021**

- All sites performing well
  - 5,565 trains operated under waiver
  - 77% overall pass rate
- Extreme cold and blowing snow challenges
  - Planned detector upgrades for snow mitigation
- Balance trains under waiver with terminal capacity

- Central route expansion
  - Pike’s Peak
  - Testing
  - Validation
  - Training
  - FRA Approval
  - Sand Hills –Q2 2021
- Cold weather valve teardowns in process
  - 60 valves in process with NYAB/Wabtec

Reminder, this is not “all” CRB repairs, so cars could have multiple repairs, but only taking primary brake related defects.

- 2934 Service Valves
- 2118 Emergency Valves
- 1105 Air Hose Supports
- 906 Retainer Valves
- 853 Pipe Fitting Gaskets or Brackets
- 617 Vent Valves
- 521 Truck Brake Cylinder Hoses
- 513 Empty Load Devices

### **Loaded Cycle**

- Current State
  - Extended Haul inspection at Amarillo, TX
- Future State
  - BHE inspection at Pike’s Peak detectors

- Bypass Amarillo with a passing BHE test
- Revert to standard manual inspections on Fail/No Test events

### **Empty Cycle**

- Current State
  - Extended Haul inspection at Temple, TX and Alliance, NE
- Future State
  - Eliminate inspection at Temple, TX
  - Extended Haul inspection in Alliance, NE
- All CW defects set-out and repaired in Alliance, NE
  - Total manual inspection interval approximately 3,000 miles

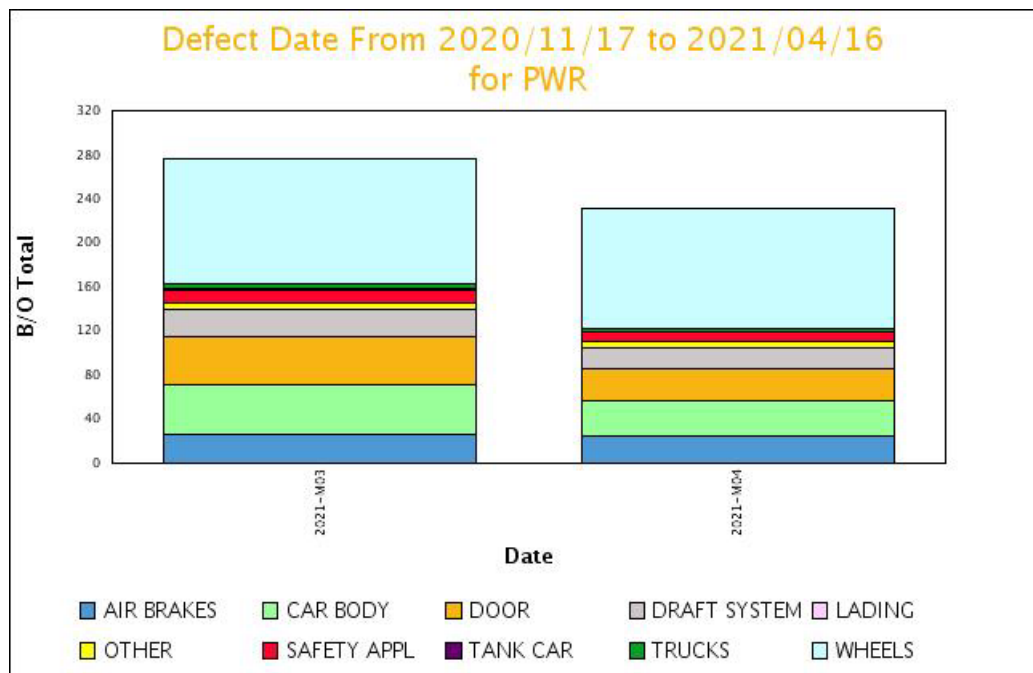
With the above information in mind, BRC will now specifically address BNSF's requests to further expand the test waiver on BNSF's coal routes and other concerns. BNSF states the expansion of the waiver for unit coal trains will accomplish all the following:

- Validation of braking performance of BNSF coal trains moving south through Colorado and east through Alliance, NE;
- Improve the braking performance of individual cars identified with cold or hot wheels;
- Increase the testing of car brake systems with Automatic Single Car Test (ASCT) devices;
- Increase the removal of poor performing brake valves identified by the ASCT;
- Increase the removal of poor performing brake system components in addition to valves; and
- Generate additional important data on air brake valve performance in a cold weather environment to supplement the program started with grain trains on the Northern Transcon.

BNSF further maintains that the inclusion of both coal train routes to the BHE waiver will provide additional valuable data on the relationship between valve age and braking performance in cold weather scenarios as we will now be looking at both grain and coal cars braking systems. However, these are just more of the same reasons given for the original expansion request only this attempt includes running trains beyond the 2600-mile limit outlined

in the test waiver itself. Furthermore, in the current request, any cars that pass the CW detectors, after receiving their initial QMI inspection and fail, will ultimately be traveling upwards of 2,300 miles before being inspected again.

This test waiver has, from the start, failed to address the issues of cars having defects other than brake health and wheel defects. The following is a recent snapshot of these concerns specifically with the coal fleet out of the Powder River Division:



Keep in mind this is only data from one (1) of the three (3) or four (4) current inspection locations. As you will see, there is major concern with the amount of other defects that will, by the cause of this expansion, further jeopardize employee and public safety. To allow coal trains to operate under this waiver and only receive one (1) inspection for every 3,000 plus miles would not be beneficial other than to allow BNSF to operate more trains at longer distances without the proper inspections.

Furthermore, in recent months, numerous issues have been brought to our attention about current trains operating under this test waiver. Indeed, several trains have been identified as not adhering to Condition .7 of the original April 12, 2019 FRA decision which approved the pilot program and the May 27, 2020 FRA decision to expand the program to include trains operating over BNSF's Northern Intermodal Route. Condition .7 provides as follows:

[a]ll test trains must receive, prior to departure, a § 232.213 inspection at origin. Additionally, all cars added to a test train must comply with § 232.213 and be tested and inspected by a qualified mechanical inspector (QMI) at the location where they are added to the train. All inspectors must have reviewed wayside detector information provided by BNSF regarding the train or individual cars prior to conducting any inspection. This includes wheel impact, acoustic bearing, WTD, and any other information that would

assist the inspector during inspection. The list and parameters of the required WTD information to be considered by inspectors must be reviewed and approved by the test committee.

While our information suggests that several trains have been identified as not adhering to Condition .7, the non-adhering trains are still being designated as passing the required tests. This type of operation severely affects the data to which we all use to make our conclusions about this test. Below are two (2) examples of this problem.

The first example involves the Northern Transcon Train Z-CHCPLT7-14A Cicero, IL to Portland, OR. This train departed the original station with 39 cars. Three (3) cars were added in Northtown, MN with no apparent inspection. At Havre, MT, its intermediate inspection location, two (2) more cars were added but not inspected as the train shows waived through. At face value, this impacts the test results as these two (2) cars (even if the rest of the train was 100 percent) would put this train at the threshold of failure under the conditions of the waiver. **For more information please see the attachment listed as “North Transcon” for related documents.**

The second example involves the Southern Transcon Train Z-NBYWSP9-06U Richmond, CA to Willow Springs, IL. The train departed with 16 cars. In route, at Duffy, CA, seven (7) cars were added with no inspection. At Belen, NM, its intermediate inspection location, seven (7) cars were set out from original consist and three (3) cars were added with no inspection. This train was also waived through as a pass. Then, at Holliday, KS, 10 cars were set out leaving only six (6) cars from the original consist including the three (3) uninspected cars that departed Belen, NM in the consist to final destination. **For more information please see the attachment listed as “South Transcon” for related documents.**

These specific examples were provided because every time these trains run the above listed routes it is in the same manner with the same results. This issue compounded by recent changes that were allowed under Condition .15 which BRC adamantly opposed. The original Condition .15 provided as follows:

[f]or purposes of complying with 49 CFR § 232.15 and § 232.103(f), any car identified as having ineffective brakes as reflected in WTD results will be considered to have inoperative brakes while under this waiver.

By letter dated November 12, 2020, FRA changed Condition .15 to the following:

[f]or purposes of complying with 49 CFR § 232.15 and § 232.103(f), any car identified as having ineffective or not qualified brakes as reflected in WTD results will be considered to have inoperative brakes as that term is used in this waiver while operating in test trains under this waiver. An identified car may be further moved solely for the purpose of repositioning the car for repair or to receive the ASCABT required by Condition #13, as long as it passes a conventional Class I or transfer train brake test (as determined by class of hauling train) prior to movement.

(Emphasis in original to show change in Condition .15)

This relief, based on the grounds of congestion, was without merit as the conditions of the waiver already allowed for trains to be added and removed to alleviate this issue. The only thing this modification has achieved is to create more unsafe cars which traverse great distances throughout the country. Even with this unnecessary change, there are clearly still issues with compliance. If the intent was to alleviate overwhelming the capacity with the condition only requiring Class 1 inspection, the intent could not have been to allow these cars back in long distance trains. As of the April 13, 2021 meeting, it was shown in slide 8 of the presentation this was not the case:

| SYSTEM - Active Cars Online - From<br>2021-04-12 To 2021-04-12  |             |        |                |    |         |                  |             |                 |       |                |
|---|-------------|--------|----------------|----|---------|------------------|-------------|-----------------|-------|----------------|
| For MA0999 - BNSF(MA)- MISSED<br>ASCAT PER BRAKE HEALTH<br>EFFECTIVENESS - Severity - 06 -<br>AAR DEFINED |             |        |                |    |         |                  |             |                 |       |                |
| PROCESS_D<br>T  | Station     | Notice | Car            |    | L/<br>E | Trac<br>k<br>Nbr | DESTINATION | Train           | Owner | Maint<br>Party |
| 2021/04/12  | IN TRAIN    | MA0999 | BNSF<br>239652 |    | L       |                  | APPPARK KY  | QLACNSL10<br>8V | BNLX  | BNSF           |
| 2021/04/12  | IN TRAIN    | MA0999 | BNSF<br>239797 |    | E       |                  | LUBBOCK TX  | SLUBSCO10<br>9A | BNSF  | BNSF           |
| 2021/04/12  | LAHARAPMTCA | MA0999 | BNSF<br>270769 |    | L       | 1377             | MEMPHIS TN  |                 | FURX  | BNSF           |
| 2021/04/12  | LONBEAEPICA | MA0999 | BNSF<br>239649 |    | E       | 1433             | LONBEAEPICA |                 | BNLX  | BNSF           |
| 2021/04/12  | LONBEAPCTCA | MA0999 | BNSF<br>238002 |    | E       | 1270             | THENARD CA  |                 | BNLX  | BNSF           |
| 2021/04/12  | LOSANGELECA | MA0999 | BNSF<br>237928 |    | E       | 4802             | LOSANGELECA |                 | BNLX  | BNSF           |
| 2021/04/12  | LOSANGELECA | MA0999 | DTTX<br>751004 |    | E       | 4802             | LOSANGELECA |                 | TTX   | TTX            |
| 2021/04/12  | TICSEASIDCA | MA0999 | BNSF<br>238750 |    | L       | 1355             | LOGPARCHIIL |                 | BNLX  | BNSF           |
| 2021/04/12  | FTMADISONIA | MA0999 | DTTX<br>729143 |    | L       | 109              | APPPARK KY  |                 | TTX   |                |
| 2021/04/12  | LOGPARCHIIL | MA0999 | DTTX<br>458306 |    | L       | 4301             | LOGPARCHIIL |                 | TTX   |                |
| 2021/04/12  | GLENDALE AZ | MA0999 | TTAX<br>753319 | B4 | E       | 1212             | PHOENIX AZ  |                 | TTX   | TTX            |

Taken alone, the above examples from slide 8 show that these cars were found on previous trips and missed. The three (3) highlighted trains show that if these cars were found on a previous cycle then they are, in fact, in revenue service and traversing thousands of miles



before being repaired. None of these scenarios can be what the change to Condition .15 was intended for, yet it raises no concern. This is precisely why BRC was so steadfast in opposing this unneeded change within the test waiver.

After our presentation at the April 23, 2021 test waiver committee meeting, the FRA inspectors who are part of the test waiver committee investigated the allegations that we presented in our dissent letter. After the April 23, 2021 meeting, five (5) separate FRA districts investigated various parts of our concerns and provided information to the FRA. In the end, four (4) of the districts fully substantiated our claims in the dissent letter and found as we do that the current waiver is too much for BNSF to handle.

This information was then presented at the June 22, 2021 test waiver committee meeting by the FRA inspectors. Below is a summary of the information that the FRA inspectors provided from the four (4) districts that supported our claims:

- **District 5** found that cars that have been flagged as ineffective brakes were still running in trains without first being repaired which is a violation of the waiver.
- **District 6** found trains running with multiple pickups and setouts in violation of condition 4(a) and also CFR 232.213. Next, they found the railroad adding cars after the detector which should have made failed tests and required them to be inspected but did not get done. Finally, they also found multiple issues with compliance to condition 16 of the existing waiver.
- **District 7** researched cars requiring ASCT and have found cars that show no record of receiving them but are released and running. They also found cars being added to trains without getting the proper QMI inspections required by the waiver.
- **District 8** found more trains not receiving the proper inspections and several defective cars being allowed to continue in service on the BHE trains.

The information provided by the four (4) FRA districts show that there are just too many mistakes and problems being made under the existing conditions and that they do not believe that BNSF can handle a further expansion of the test waiver. Indeed, based on the information just discussed, the FRA inspectors in the test waiver committee provided that not only do they not support an expansion of the test waiver because it is not in the best interest for public safety, they also provided that they did not even have enough resources to monitor the waivers that have already been granted to BNSF.

Based on the information provided above, BNSF has proven that there is no benefit to continue this waiver due to their repeated violations of the test conditions that FRA set forth in their decision letters. Any other outcome would not be in the best interest of public safety at this time.

### ***III. Conclusion.***

BRC always welcome the opportunity to participate in the regulatory process. Safety issues addressed in this process are among the primary concerns to the carmen. In accordance with our commitment to maintaining safety on the nation's railroads, BRC suggests that FRA deny the BNSF petition to expand the test waiver.

# Attachments

# North Transcon

14:05:08 MDT Thursday, April 22, 2021

Station HAVRE From 04/14/2021 0000 To 04/16/2021 2359 Trains Z

Dir Option N

Printer Print N Report Type D Delay N Comments N

| Train         | D<br>R | Inbd<br>Fnl | Track | Arr<br>Dy Tm | Stop<br>Time | Train<br>Made | Power<br>Ready | Insp<br>Type | Insp<br>Start | Insp<br>Stop | B<br>O | Power<br>Plan | Power<br>On | Power<br>Predt | Power<br>Off | Fuel<br>HeadB | Fuel<br>HeadE |
|---------------|--------|-------------|-------|--------------|--------------|---------------|----------------|--------------|---------------|--------------|--------|---------------|-------------|----------------|--------------|---------------|---------------|
| Z SSECHC9 13U | E      | 0800        |       | 14 0800      | 0824         | 0948          |                | Comp         | 0948          | 0955         |        |               | 0948        |                |              |               |               |
| Z PTLCHC9 13U | E      | 1145        | 2691  | 14 1216      | 1247         |               |                | EH           | 1247          | 1313         |        | THRU          | 1313        |                |              |               |               |
| Z CHCSSE9 13U | W      | 1615        | 2699  | 14 1722      | 1741         |               | 1845           | Waiver       |               |              |        | THRU          |             |                |              |               |               |
| Z CHCPTL7 13A | W      | 1910        | 2699  | 14 2001      | 2031         |               |                | Comp         | 2102          | 2215         |        | THRU          | 2220        |                |              |               |               |
| Z PTLCHC6 13A | E      | 0345        | 2693  | 15 0402      | 0422         |               |                | No           |               |              |        | THRU          |             |                |              |               |               |
| Z PTLCHC9 14U | E      | 0715        | 2691  | 15 0705      | 0725         |               | 0750           | EH           | 0820          | 0830         |        | THRU          | 0749        |                |              | 0725          | 0750          |
| Z SSECHC9 14U | E      | 0745        | 2691  | 15 0751      | 0820         |               |                | No           |               |              |        |               |             |                |              |               |               |
| Z CHCSSE9 14U | W      | 1815        | 2699  | 15 1808      | 1815         |               | 1910           | Comp         | 1820          | 1913         |        | THRU          | 1919        |                |              | 0415 1810     | 0415 1830     |
| Z CHCPTL7 14A | W      | 2300        | 2699  | 15 2324      | 2341         |               | 0125           | Waiver       |               |              |        | THRU          |             |                |              | 0416 0035     | 0416 0050     |
| Z PTLCHC7 15A | E      | 1115        | 2691  | 16 1205      | 1222         |               | 1244           | EH           | 1231          | 1254         |        | THRU          |             |                |              | 1225          | 1244          |
| Z SSECHC7 15A | E      | 1320        | 2691  | 16 1343      | 1403         |               |                | No           |               |              |        | THRU          |             |                |              |               |               |
| Z CHCSSE7 15A | W      | 1830        | 2699  | 16 2048      | 2122         |               |                | Comp         | 2130          | 2228         |        | THRU          |             |                |              | 0416 2130     | 0416 2236     |

**Train Inspections For HAVRE , MT  
From 2021-04-14 To 2021-04-16**

| Insp Date  | Shift Insp | Train ID    | Class 1 Cnt | Class 1A Cnt | Extended Haul Cnt | Terminating Cnt | Foreign Trn Cnt | Roll By Cnt | Inspected By           | Air Test Date | Air Test Time | Comments  |
|------------|------------|-------------|-------------|--------------|-------------------|-----------------|-----------------|-------------|------------------------|---------------|---------------|---|
| 2021/04/14 | 3          | GABATAC911H | 0           | 0            | 116               | 0               | 0               | 0           | Quintin P Kallenberger | 2021/04/14    | 03:01:00      | CUT LEADER  |
| 2021/04/14 | 3          | HPASMIN112A | 0           | 109          | 0                 | 0               | 0               | 0           | Quintin P Kallenberger | 2021/04/14    | 02:19:00      |   |
| 2021/04/14 | 3          | LMON8145141 | 60          | 0            | 0                 | 0               | 0               | 0           | Quintin P Kallenberger | 2021/04/14    | 01:16:00      | needs rollby  |
| 2021/04/14 | 3          | QCHCPTL110C | 0           | 0            | 0                 | 0               | 0               | 175         | R L HOUIM              | 2021/04/14    | 05:29:00      |   |
| 2021/04/14 | 3          | QCHCPTL110C | 0           | 0            | 175               | 0               | 0               | 0           | R L HOUIM              | 2021/04/14    | 05:29:00      |   |
| 2021/04/14 | 3          | UAWAEP044T  | 0           | 110          | 0                 | 0               | 0               | 0           | Quintin P Kallenberger | 2021/04/14    | 06:04:00      |   |
| 2021/04/14 | 1          | ZSSECHC913U | 0           | 1            | 0                 | 0               | 0               | 0           | Shane C Olson          | 2021/04/14    | 09:55:00      | DEPARTING / PICKING UP FILL / COMING INTO "S" / THRU 3 + 1 / 1 CAR FILL AHEAD OF THE REAR 3 CARS  |
| 2021/04/14 | 1          | HMINPAS112A | 0           | 116          | 0                 | 0               | 0               | 0           | William M Howard       | .             | .             | NEEDS SWITCHED (OUT 3 + 1) CHECK REAR 8 CARS ON SET AND RELEASE   |
| 2021/04/14 | 1          | HMINPAS112A | 0           | 116          | 0                 | 0               | 0               | 0           | Quintin P Kallenberger | 2021/04/14    | 23:17:00      | NEEDS SWITCHED (OUT 3 + 1) CHECK REAR 8 CARS ON SET AND RELEASE   |
| 2021/04/14 | 1          | ZCHCSSE913U | 48          | 0            | 0                 | 0               | 0               | 0           | COLD WHEEL DETECTOR    | .             | .             | WAIVER FROM 49 C.F.R.& 232.213:232.15; and 232.103(f) EXTENDED HAUL TRAINS MOVEMENT OF DEFECTIVE EQUIPMENT GENERAL REQUIREMENTS FOR ALL TRAIN BRAKE SYSTEMS FRA-2016-0018 |
| 2021/04/14 | 1          | ZPTLCHC913U | 0           | 0            | 64                | 0               | 0               | 0           | Shane C Olson          | 2021/04/14    | 13:27:00      | FOLLOW AMTRAK 8 OUT / AIR-TESTING / OK TRAIN / 4 THRU / R-TEC   |
| 2021/04/14 | 2          | QCHCPTL112A | 0           | 0            | 94                | 0               | 0               | 0           | William M Howard       | 2021/04/14    | 17:58:00      |   |
| 2021/04/14 | 2          | XPSAPKV311H | 0           | 80           | 0                 | 0               | 0               | 0           | William M Howard       | 2021/04/14    | 21:34:00      | ADMX 54071 NB R3 977> TILX 55933 SHELL L1   |
| 2021/04/14 | 3          | ZCHCPTL713A | 0           | 90           | 0                 | 0               | 0               | 0           | William M Howard       | 2021/04/14    | 22:25:00      |   |
| 2021/04/14 | 3          | GGMNKAL913A | 0           | 0            | 116               | 0               | 0               | 0           | COLD WHEEL DETECTOR    | .             | .             | WAIVER FROM 49 C.F.R.& 232.213:232.15; and 232.103(f) EXTENDED HAUL TRAINS MOVEMENT OF DEFECTIVE EQUIPMENT GENERAL REQUIREMENTS FOR ALL TRAIN BRAKE SYSTEMS FRA-2016-0018 |
| 2021/04/14 | 3          | UFTETND001T | 0           | 102          | 0                 | 0               | 0               | 0           | Quintin P Kallenberger | 2021/04/14    | 23:33:00      |   |
| 2021/04/14 | 3          | UFTETND001T | 0           | 102          | 0                 | 0               | 0               | 0           | William M Howard       | .             | .             |   |
| 2021/04/14 | 3          | GHFMLVW910H | 0           | 0            | 114               | 0               | 0               | 0           | Quintin P Kallenberger | 2021/04/15    | 00:08:00      |   |
| 2021/04/15 | 3          | QCHCPTL113C | 0           | 0            | 68                | 0               | 0               | 0           | Quintin P Kallenberger | 2021/04/15    | 01:28:00      |   |
| 2021/04/15 | 3          | LMON8145141 | 0           | 0            | 0                 | 56              | 0               | 0           | Quintin P Kallenberger | .             | .             | moving power around before inspection   |
| 2021/04/15 | 3          | GAYRKAL913H | 0           | 0            | 114               | 0               | 0               | 0           | COLD WHEEL DETECTOR    | .             | .             | WAIVER FROM 49 C.F.R.& 232.213:232.15; and 232.103(f) EXTENDED HAUL TRAINS MOVEMENT OF DEFECTIVE EQUIPMENT GENERAL REQUIREMENTS FOR ALL TRAIN BRAKE SYSTEMS FRA-2016-0018 |
| 2021/04/15 | 1          | LMON8145151 | 36          | 0            | 0                 | 0               | 0               | 0           | Shane C Olson          | 2021/04/15    | 06:47:00      | DEPARTING / setting out 1 car; needs rollby   |
| 2021/04/15 | 1          | ZPTLCHC914U | 0           | 0            | 56                | 0               | 0               | 0           | D A CARPENTER          | 2021/04/15    | 08:01:00      | DEPARTING / AIR-TESTING / OK TRAIN / INSPECTING / 4 THRU / R-TEC  |
| 2021/04/15 | 1          | ZPTLCHC914U | 0           | 0            | 0                 | 0               | 0               | 56          | D A CARPENTER          | 2021/04/15    | 08:01:00      | DEPARTING / AIR-TESTING / OK TRAIN / INSPECTING / 4 THRU / R-TEC  |
| 2021/04/15 | 1          | SLAWTAC312A | 0           | 0            | 0                 | 0               | 0               | 84          | D A CARPENTER          | 2021/04/15    | 08:34:00      | DEPARTING / AIR-TESTING / OK TRAIN / INSPECTING / 2 THRU / R-TEC  |
| 2021/04/15 | 1          | SLAWTAC312A | 0           | 84           | 0                 | 0               | 0               | 0           | D A CARPENTER          | 2021/04/15    | 08:34:00      | DEPARTING / AIR-TESTING / OK TRAIN / INSPECTING / 2 THRU / R-TEC  |
| 2021/04/15 | 1          | GBTRTAC914H | 0           | 0            | 109               | 0               | 0               | 0           | COLD WHEEL DETECTOR    | .             | .             | WAIVER FROM 49 C.F.R.& 232.213:232.15; and 232.103(f) EXTENDED HAUL TRAINS MOVEMENT OF DEFECTIVE EQUIPMENT GENERAL REQUIREMENTS FOR ALL TRAIN BRAKE SYSTEMS FRA-2016-0018 |
| 2021/04/15 | 1          | UTIOAWA019T | 0           | 0            | 107               | 0               | 0               | 0           | D A CARPENTER          | 2021/04/15    | 10:03:00      | DEPARTING / AIR-TESTING / DIESEL'S WORKING / OK TRAIN / INSPECTING / THRU 2 + 1 / ADD REMOTE  |
| 2021/04/15 | 1          | UTIOAWA019T | 0           | 0            | 0                 | 0               | 0               | 107         | D A CARPENTER          | 2021/04/15    | 10:03:00      | DEPARTING / AIR-TESTING / DIESEL'S WORKING / OK TRAIN / INSPECTING / THRU 2 + 1 / ADD REMOTE  |
| 2021/04/15 | 1          | UFEPPEM020T | 0           | 108          | 0                 | 0               | 0               | 0           | D A CARPENTER          | 2021/04/15    | 10:12:00      | FOLLOW "Z" OUT / AIR-TESTING / ALL READY TO GO (DROPPING THE FLAGS) / OK TRAIN / INSPECTING / FLAG POWER IN AND INSPECT TRAIN / THRU 2 + 1                                |
| 2021/04/15 | 1          | UFEPPEM020T | 0           | 0            | 0                 | 0               | 0               | 108         | D A CARPENTER          | 2021/04/15    | 10:12:00      | FOLLOW "Z" OUT / AIR-TESTING / ALL READY TO GO (DROPPING THE FLAGS) / OK TRAIN / INSPECTING / FLAG POWER IN AND INSPECT TRAIN / THRU 2 + 1                                |
| 2021/04/15 | 1          | GNRKKAL913H | 0           | 0            | 115               | 0               | 0               | 0           | William M Howard       | 2021/04/15    | 15:29:00      | BNSF 497243 93*   |
| 2021/04/15 | 2          | SSEACHC211A | 0           | 0            | 73                | 0               | 0               | 0           | William M Howard       | 2021/04/15    | 15:21:00      | AIR-TEST 1ST OUT ON 2ND SHIFT / OK TRAIN / INSPECTING / 3 THRU  |
| 2021/04/15 | 2          | ZCHCPTL714A | 42          | 0            | 0                 | 0               | 0               | 0           | COLD WHEEL DETECTOR    | .             | .             | WAIVER FROM 49 C.F.R.& 232.213:232.15; and 232.103(f) EXTENDED HAUL TRAINS MOVEMENT OF DEFECTIVE EQUIPMENT GENERAL REQUIREMENTS FOR ALL TRAIN BRAKE SYSTEMS FRA-2016-0018 |
| 2021/04/15 | 2          | ZCHCSSE914U | 0           | 100          | 0                 | 0               | 0               | 0           | William M Howard       | 2021/04/15    | 19:24:00      |   |
| 2021/04/15 | 2          | STCBLPC109B | 0           | 0            | 67                | 0               | 0               | 0           | William M Howard       | 2021/04/15    | 21:52:00      |   |
| 2021/04/15 | 3          | GHFMLVW914H | 0           | 0            | 118               | 0               | 0               | 0           | COLD WHEEL DETECTOR    | .             | .             | WAIVER FROM 49 C.F.R.& 232.213:232.15; and 232.103(f) EXTENDED HAUL TRAINS MOVEMENT OF DEFECTIVE EQUIPMENT GENERAL REQUIREMENTS FOR ALL TRAIN BRAKE SYSTEMS FRA-2016-0018 |
| 2021/04/15 | 3          | HMINPAS113A | 0           | 123          | 0                 | 0               | 0               | 0           | Chris M Jennings       | 2021/04/16    | 13:49:00      | airtest/rollby  |
| 2021/04/15 | 3          | HMINPAS113A | 0           | 123          | 0                 | 0               | 0               | 0           | William M Howard       | .             | .             |   |
| 2021/04/15 | 3          | SSEPLPC114E | 0           | 0            | 75                | 0               | 0               | 0           | Quintin P Kallenberger | 2021/04/16    | 00:24:00      | 2 CAR FILL TO THE POINT   |
| 2021/04/15 | 3          | SSEPLPC114E | 0           | 0            | 75                | 0               | 0               | 0           | William M Howard       | .             | .             | 2 CAR FILL TO THE POINT   |
| 2021/04/16 | 3          | GHFMLVW914H | 0           | 0            | 112               | 0               | 0               | 0           | COLD WHEEL DETECTOR    | .             | .             | WAIVER FROM 49 C.F.R.& 232.213:232.15; and 232.103(f) EXTENDED HAUL TRAINS MOVEMENT OF DEFECTIVE EQUIPMENT GENERAL REQUIREMENTS FOR ALL TRAIN BRAKE SYSTEMS FRA-2016-0018 |
| 2021/04/16 | 3          | GHFMLVW914H | 0           | 0            | 112               | 0               | 0               | 0           | COLD WHEEL DETECTOR    | .             | .             | WAIVER FROM 49 C.F.R.& 232.213:232.15; and 232.103(f) EXTENDED HAUL TRAINS MOVEMENT OF DEFECTIVE EQUIPMENT GENERAL REQUIREMENTS FOR ALL TRAIN BRAKE SYSTEMS FRA-2016-0018 |
| 2021/04/16 | 3          | UPEMFEP022T | 0           | 0            | 108               | 0               | 0               | 0           | Quintin P Kallenberger | 2021/04/16    | 05:08:00      |   |
| 2021/04/16 | 3          | STCELP113B  | 0           | 0            | 72                | 0               | 0               | 0           | Quintin P Kallenberger | 2021/04/16    | 03:45:00      |   |
| 2021/04/16 | 1          | SSEASTP108A | 0           | 68           | 0                 | 0               | 0               | 0           | Chris M Jennings       | 2021/04/16    | 08:00:00      |   |
| 2021/04/16 | 1          | SSEASTP108A | 0           | 0            | 0                 | 0               | 0               | 68          | C M HANSEN             | 2021/04/16    | 08:00:00      |   |
| 2021/04/16 | 1          | UFTETIO008T | 0           | 109          | 0                 | 0               | 0               | 0           | Chris M Jennings       | 2021/04/16    | 10:26:00      |   |
| 2021/04/16 | 1          | GABATAC914H | 0           | 0            | 114               | 0               | 0               | 0           | Chris M Jennings       | 2021/04/16    | 09:36:00      |   |
| 2021/04/16 | 1          | QCHCPTL115C | 0           | 0            | 49                | 0               | 0               | 0           | COLD WHEEL DETECTOR    | .             | .             | WAIVER FROM 49 C.F.R.& 232.213:232.15; and 232.103(f) EXTENDED HAUL TRAINS MOVEMENT OF DEFECTIVE EQUIPMENT GENERAL REQUIREMENTS FOR ALL TRAIN BRAKE SYSTEMS FRA-2016-0018 |
| 2021/04/16 | 1          | GABATAC914H | 0           | 0            | 0                 | 0               | 0               | 114         | G J TREPERINA          | 2021/04/16    | 09:36:00      |   |
| 2021/04/16 | 1          | UAWAEP045T  | 0           | 110          | 0                 | 0               | 0               | 0           | Chris M Jennings       | .             | .             |   |
| 2021/04/16 | 1          | LMON8145161 | 0           | 0            | 0                 | 16              | 0               | 0           | Chris M Jennings       | .             | .             |   |
| 2021/04/16 | 1          | GSTCLVW915H | 0           | 0            | 114               | 0               | 0               | 0           | COLD WHEEL DETECTOR    | .             | .             | WAIVER FROM 49 C.F.R.& 232.213:232.15; and 232.103(f) EXTENDED HAUL TRAINS MOVEMENT OF DEFECTIVE EQUIPMENT GENERAL REQUIREMENTS FOR ALL TRAIN BRAKE SYSTEMS FRA-2016-0018 |
| 2021/04/16 | 1          | ZPTLCHC715A | 0           | 0            | 60                | 0               | 0               | 0           | Chris M Jennings       | 2021/04/16    | 12:56:00      |   |
| 2021/04/16 | 2          | QSSECHC114A | 0           | 0            | 68                | 0               | 0               | 0           | Joseph Howard          | 2021/04/16    | 17:54:00      |   |
| 2021/04/16 | 2          | ZCHCPTL715A | 47          | 0            | 0                 | 0               | 0               | 0           | COLD WHEEL DETECTOR    | .             | .             | WAIVER FROM 49 C.F.R.& 232.213:232.15; and 232.103(f) EXTENDED HAUL TRAINS MOVEMENT OF DEFECTIVE EQUIPMENT GENERAL REQUIREMENTS FOR ALL TRAIN BRAKE SYSTEMS FRA-2016-0018 |
| 2021/04/16 | 2          | QCHCPTL114C | 0           | 0            | 88                | 0               | 0               | 0           | Joseph Howard          | 2021/04/16    | 20:48:00      | 1 FRED IN COMPRESSOR ROOM   |
| 2021/04/16 | 2          | STACCHC112B | 0           | 0            | 71                | 0               | 0               | 0           | Joseph Howard          | 2021/04/16    | 21:06:00      | DTTX 725084 MV R4 97*   |
| 2021/04/16 | 2          | UFEPPEM021T | 108         | 0            | 0                 | 0               | 0               | 0           | Joseph Howard          | .             | .             |   |
| 2021/04/16 | 2          | UFEPPEM021T | 0           | 108          | 0                 | 0               | 0               | 0           | Erik w Nelson          | 2021/04/17    | 00:52:00      |   |
| 2021/04/16 | 3          | ZCHCSSE715A | 0           | 95           | 0                 | 0               | 0               | 0           | Joseph Howard          | 2021/04/16    | 22:42:00      |   |

me\_car/insp\_by\_station.fex

14:06:44 MDT Thursday, April 22, 2021

Display AEI Reports for Trains

Train Z CHCPTL7 14 A Station Direction Evt Seq Add Del Rel Status

From Date 2021-04-14 From Time 0000 To Date 2021-04-23 To Time 1506 Reader

| Train         | Station | Date | Time | Evt | Dir | Sts | Cars<br>Read | Cars<br>Ver | Cars<br>Ver<br>Pct | Add | Del | Rel | Seq | Lead Unit | Reader<br>Site Abbr | Coal<br>Stripe | Min<br>MPH | Avg<br>MPH | Max<br>MPH | Reader<br>Site Id | Rej<br>Cd | User Id  | Reader<br>Milepost | Sub Div        |
|---------------|---------|------|------|-----|-----|-----|--------------|-------------|--------------------|-----|-----|-----|-----|-----------|---------------------|----------------|------------|------------|------------|-------------------|-----------|----------|--------------------|----------------|
| Z-CHCPTL7-14A | NPORJC  | 0417 | 0051 | TA  | W   | C   | 44           | 44          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | VANSAEI             |                | 22         | 23         | 23         | TA75441           |           | ZC3PNC32 | 9.4                | FALLBRIDGE     |
| Z-CHCPTL7-14A | VANCWA  | 0417 | 0048 | TA  | W   | C   | 44           | 44          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | VANAEI              |                | 20         | 22         | 24         | TA75440           |           | ZC3PNC17 | 10.5               | FALLBRIDGE     |
| Z-CHCPTL7-14A | MCLOUG  | 0417 | 0042 | TA  | W   | P   | 44           | 44          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | MCLEASAEI           |                | 46         | 49         | 52         | TA75386           | 01        | ZC2PNC39 | 14.5               | FALLBRIDGE     |
| Z-CHCPTL7-14A | HOMVAL  | 0416 | 2347 | TD  | W   | C   | 44           | 44          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | HOMVALAEI           |                | 20         | 23         | 24         | TA75344           |           | ZC2PNC15 | 59.8               | FALLBRIDGE     |
| Z-CHCPTL7-14A | WISHRA  | 0416 | 2254 | TD  | W   | P   | 44           | 42          | 95%                | 0   | 0   | 0   | N   | BNSF 4268 | WISWAEI             |                | 42         | 48         | 50         | TA75434           | 02        | ZC3PNC03 | 103.2              | FALLBRIDGE     |
| Z-CHCPTL7-14A | WISHRA  | 0416 | 2238 | TA  | W   | C   | 44           | 44          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | WISEAEI             |                | 48         | 51         | 53         | TA75433           |           | ZC1PNC36 | 114.4              | FALLBRIDGE     |
| Z-CHCPTL7-14A | PASCO   | 0416 | 2030 | TD  | W   | C   | 44           | 44          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | PASWAEI             |                | 24         | 25         | 27         | TA75429           |           | ZC3PNC35 | 230                | LAKESIDE       |
| Z-CHCPTL7-14A | PASCO   | 0416 | 2003 | TA  | W   | C   | 44           | 44          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | PASEAEI             |                | 26         | 31         | 37         | TA75430           |           | ZC3PNC17 | 140.3              | LAKESIDE       |
| Z-CHCPTL7-14A | LATJCT  | 0416 | 1627 | TD  | W   | C   | 44           | 44          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | SPOWAEI             |                | 21         | 24         | 24         | TA75641           |           | ZC1PNC36 | 1481.1             | SPOKANE        |
| Z-CHCPTL7-14A | SPOKAN  | 0416 | 1553 | TA  | W   | C   | 44           | 44          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | SPOEAEI             |                | 34         | 35         | 38         | TA75642           |           | ZC2PNC37 | 61.9               | SPOKANE        |
| Z-CHCPTL7-14A | VELOX   | 0416 | 1551 | TA  | W   | C   | 44           | 44          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | VELAEI              |                | 39         | 48         | 54         | TA75080           |           | ZC2PNC39 | 60.1               | SPOKANE        |
| Z-CHCPTL7-14A | HAUYAR  | 0416 | 1541 | TD  | W   | C   | 44           | 44          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | HAUWAEI             |                | 45         | 52         | 61         | TA75425           |           | ZC1PNC30 | 50.9               | SPOKANE        |
| Z-CHCPTL7-14A | HAUYAR  | 0416 | 1512 | TA  | W   | C   | 44           | 44          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | HAUEAEI             |                | 39         | 42         | 47         | TB75426           |           | ZC1PNC03 | 50.4               | SPOKANE        |
| Z-CHCPTL7-14A | SANDPO  | 0416 | 1419 | TD  | W   | C   | 44           | 44          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | SANSAEI             |                | 24         | 25         | 27         | TA75639           |           | ZC2PNC19 | 3                  | KOOTENAI RIVER |
| Z-CHCPTL7-14A | ELMIID  | 0416 | 1352 | TA  | W   | C   | 44           | 44          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | ELMAEI              |                | 39         | 41         | 44         | TA75249           |           | ZC3PNC05 | 1383.8             | KOOTENAI RIVER |
| Z-CHCPTL7-14A | WHITEF  | 0416 | 0941 | TD  | W   | C   | 44           | 44          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | WHIWAEI             |                | 18         | 25         | 36         | TA75574           |           | ZC2PNC06 | 1221.1             | HI LINE        |
| Z-CHCPTL7-14A | HALMOO  | 0416 | 0915 | TA  | W   | C   | 44           | 44          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | WHIEAEI             |                | 42         | 45         | 49         | TA75575           |           | ZC3PNC21 | 1214.5             | HI LINE        |
| Z-CHCPTL7-14A | JAVAMT  | 0416 | 0655 | TD  | W   | C   | 44           | 44          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | JAVEASAEI           |                | 18         | 22         | 25         | TA75174           |           | ZC1PNC23 | 1165.2             | HI LINE        |
| Z-CHCPTL7-14A | SPOROB  | 0416 | 0537 | TA  | S   | C   | 44           | 44          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | SPOROB AEI          |                | 29         | 30         | 31         | TA75136           |           | ZC2PNC30 | 1129.3             | HI LINE        |
| Z-CHCPTL7-14A | SHELBY  | 0416 | 0406 | TD  | W   | C   | 44           | 44          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | SHEWAEI             |                | 38         | 42         | 44         | TA75563           |           | ZC3PNC38 | 1069.6             | HI LINE        |
| Z-CHCPTL7-14A | DUNKIR  | 0416 | 0349 | TA  | W   | C   | 44           | 44          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | SHEEAEI             |                | 51         | 54         | 66         | TA75562           |           | ZC2PNC28 | 1056.1             | HI LINE        |
| Z-CHCPTL7-14A | HAVRE   | 0416 | 0154 | TD  | W   | C   | 44           | 44          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | HAVWAEI             |                | 44         | 47         | 50         | TA75638           |           | ZC2PNC09 | 964.8              | MILK RIVER     |
| Z-CHCPTL7-14A | HAVRE   | 0415 | 2323 | TA  | W   | C   | 42           | 42          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | HAVEAEI             |                | 26         | 29         | 30         | TA75637           |           | ZC1PNC13 | 427.3              | MILK RIVER     |
| Z-CHCPTL7-14A | MALTA   | 0415 | 2240 | TA  | E   | I   | 42           | 0           | 0%                 | 0   | 0   | 0   | N   | BNSF 4268 | MALTA AEI           |                | 41         | 47         | 54         | TA75246           | FR        | ZC3PNC23 | 339.5              | MILK RIVER     |
| Z-CHCPTL7-14A | GLASGO  | 0415 | 2028 | TD  | W   | C   | 42           | 42          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | GLAWESAEI           |                | 47         | 53         | 57         | TA75406           |           | ZC3PNC25 | 282.1              | GLASGOW        |
| Z-CHCPTL7-14A | GLASGO  | 0415 | 2004 | TA  | W   | C   | 42           | 42          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | GLAEASAEI           |                | 36         | 45         | 52         | TA75405           |           | ZC3PNC29 | 274.8              | GLASGOW        |
| Z-CHCPTL7-14A | SNOWDE  | 0415 | 1723 | TA  | W   | C   | 42           | 42          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | SNOEASAEI           |                | 56         | 58         | 62         | TA75423           |           | ZC3PNC25 | 137.5              | GLASGOW        |
| Z-CHCPTL7-14A | EPPING  | 0415 | 1638 | TA  | W   | C   | 42           | 42          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | EPPEASAEI           |                | 49         | 52         | 54         | TB75424           |           | ZC1PNC19 | 99.3               | GLASGOW        |
| Z-CHCPTL7-14A | MINOT   | 0415 | 1504 | TD  | W   | C   | 42           | 42          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | MINWESAEI           |                | 23         | 27         | 36         | TA75620           |           | ZC3PNC36 | 5.2                | K O            |
| Z-CHCPTL7-14A | MINOT   | 0415 | 1423 | TA  | W   | C   | 42           | 42          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | MINEAEI             |                | 34         | 36         | 39         | TA75621           |           | ZC2PNC10 | 225.3              | K O            |
| Z-CHCPTL7-14A | WELAEI  | 0415 | 1311 | TA  | W   | I   | 42           | 0           | 0%                 | 0   | 0   | 0   | N   | BNSF 4268 | WELAEI              |                | 58         | 59         | 61         | TA75015           | NS        | ZC2PNC30 | 155.6              | K O            |
| Z-CHCPTL7-14A | CASSEL  | 0415 | 1039 | TA  | W   | C   | 42           | 42          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | CASCWDAEI           |                | 37         | 39         | 42         | TB75392           |           | ZC3PNC09 | 25.6               | K O            |
| Z-CHCPTL7-14A | FARGND  | 0415 | 1026 | TD  | W   | C   | 42           | 42          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | FARWAEI             |                | 40         | 45         | 49         | TB75613           |           | ZC3PNC11 | 16.3               | K O            |
| Z-CHCPTL7-14A | DILWOR  | 0415 | 1011 | TD  | W   | C   | 42           | 42          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | MOOJCTAEI           |                | 30         | 32         | 33         | TB75544           |           | ZC3PNC29 | 5.8                | K O            |
| Z-CHCPTL7-14A | DILWOR  | 0415 | 0949 | TA  | W   | C   | 42           | 42          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | DILEAEI             |                | 39         | 40         | 42         | TB75608           |           | ZC1PNC17 | 250.1              | K O            |
| Z-CHCPTL7-14A | STAPMN  | 0415 | 0740 | TA  | W   | C   | 42           | 42          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | STASAEI             |                | 31         | 33         | 37         | TA75495           |           | ZC1PNC11 | 134                | STAPLES        |
| Z-CHCPTL7-14A | RICE    | 0415 | 0649 | TD  | W   | C   | 42           | 42          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | RICCWDAEI           |                | 54         | 57         | 59         | TA75667           |           | ZC1PNC35 | 92                 | STAPLES        |
| Z-CHCPTL7-14A | NORTHT  | 0415 | 0500 | TA  | W   | C   | 42           | 42          | 100%               | 0   | 0   | 0   | N   | BNSF 4268 | NORMPLAEI           |                | 27         | 33         | 38         | TA75601           |           | ZC3PNC28 | 9.5                | STAPLES        |

|               |        |      |      |    |   |   |  |    |    |      |   |   |   |   |           |           |  |    |    |    |         |    |          |       |          |
|---------------|--------|------|------|----|---|---|--|----|----|------|---|---|---|---|-----------|-----------|--|----|----|----|---------|----|----------|-------|----------|
| Z-CHCPTL7-14A | NORTHT | 0415 | 0456 | TD | W | C |  | 42 | 42 | 100% | 0 | 0 | 0 | N | BNSF 4268 | NORWAEI   |  | 49 | 55 | 60 | TA75599 |    | ZC3PNC26 | 17.8  | STAPLES  |
| Z-CHCPTL7-14A | STANTH | 0415 | 0433 | TA | W | I |  | 25 | 0  | 0%   | 0 | 0 | 0 | N | BNSF 4027 | STANTAEI  |  | 0  | 8  | 23 | TC75450 | EX | ZC2PNC39 | 7     | MIDWAY   |
| Z-CHCPTL7-14A | STANTH | 0415 | 0416 | TA | W | I |  | 19 | 0  | 0%   | 0 | 0 | 0 | N | BNSF 4268 | STANTAEI  |  | 0  | 8  | 10 | TC75450 | EX | ZC2PNC20 | 7     | MIDWAY   |
| Z-CHCPTL7-14A | STPAMN | 0415 | 0348 | TA | W | C |  | 39 | 39 | 100% | 0 | 0 | 0 | N | BNSF 4268 | NORSEVAEI |  | 23 | 24 | 26 | TA75602 |    | ZC3PNC35 | 0.6   | ST PAUL  |
| Z-CHCPTL7-14A | STPAUP | 0415 | 0338 | TA | W | I |  | 39 | 0  | 0%   | 0 | 0 | 0 | N | BNSF 4268 | STPAUCPRE |  | 28 | 45 | 54 | TA75844 | SW | ZC2PNC17 | 426.7 | ST PAUL  |
| Z-CHCPTL7-14A | STCROT | 0415 | 0310 | TA | W | C |  | 39 | 39 | 100% | 0 | 0 | 0 | N | BNSF 4268 | NORSTCAEI |  | 22 | 24 | 26 | TA75603 |    | ZC2PNC29 | 407.8 | ST PAUL  |
| Z-CHCPTL7-14A | FOUCIT | 0415 | 0154 | TD | W | C |  | 39 | 39 | 100% | 0 | 0 | 0 | N | BNSF 4268 | COCSOUAEI |  | 52 | 57 | 61 | TA75453 |    | ZC1PNC35 | 339.5 | ST CROIX |
| Z-CHCPTL7-14A | EWINON | 0415 | 0140 | TD | W | C |  | 39 | 39 | 100% | 0 | 0 | 0 | N | BNSF 4268 | EWINAEI   |  | 55 | 58 | 61 | TA75382 |    | ZC1PNC34 | 327.5 | ST CROIX |
| Z-CHCPTL7-14A | ONALAS | 0415 | 0119 | TD | W | C |  | 39 | 39 | 100% | 0 | 0 | 0 | N | BNSF 4268 | LACWAEI   |  | 58 | 61 | 63 | TA75493 |    | ZC1PNC22 | 307.1 | ST CROIX |
| Z-CHCPTL7-14A | LACRWI | 0415 | 0055 | TA | W | C |  | 39 | 39 | 100% | 0 | 0 | 0 | N | BNSF 4268 | LACEAEI   |  | 36 | 40 | 44 | TA75492 |    | ZC1PNC31 | 297.4 | AURORA   |
| Z-CHCPTL7-14A | SAVANN | 0414 | 2200 | TD | W | C |  | 39 | 39 | 100% | 0 | 0 | 0 | N | BNSF 4268 | SAVWAEI   |  | 53 | 56 | 59 | TA75686 |    | ZC3PNC36 | 153.9 | AURORA   |
| Z-CHCPTL7-14A | SAVANN | 0414 | 2143 | TA | W | C |  | 39 | 39 | 100% | 0 | 0 | 0 | N | BNSF 4268 | SAVAEI    |  | 23 | 25 | 28 | TA75527 |    | ZC1PNC36 | 143.2 | AURORA   |
| Z-CHCPTL7-14A | ROCHIL | 0414 | 2016 | TD | W | C |  | 39 | 39 | 100% | 0 | 0 | 0 | N | BNSF 4268 | ROCWAEI   |  | 54 | 58 | 61 | TA75687 |    | ZC1PNC26 | 90.8  | AURORA   |
| Z-CHCPTL7-14A | EOLA   | 0414 | 1912 | TD | W | C |  | 39 | 39 | 100% | 0 | 0 | 0 | N | BNSF 4268 | EOLAEI    |  | 36 | 38 | 39 | TA75519 |    | ZC2PNC27 | 37.1  | CHICAGO  |
| Z-CHCPTL7-14A | EOLA   | 0414 | 1905 | TA | W | C |  | 39 | 39 | 100% | 0 | 0 | 0 | N | BNSF 4268 | EOLEAEI   |  | 42 | 45 | 50 | TB75524 |    | ZC2PNC16 | 31.8  | CHICAGO  |
| Z-CHCPTL7-14A | CICERO | 0414 | 1802 | TD | W | C |  | 39 | 39 | 100% | 0 | 0 | 0 | N | BNSF 4268 | CHICONAEI |  | 31 | 34 | 38 | TC75522 |    | ZC2PNC13 | 12    | CHICAGO  |



## AEI-TSS Comparisons

\*\*\*\*\* AEI/TSS Comparison \*\*\*\*\*

|         |               |        |            |           |       |             |             |             |  |
|---------|---------------|--------|------------|-----------|-------|-------------|-------------|-------------|--|
| Train   | Z-CHCPTL7-14A | Reader | 75522 ()   | CICERO IL | Seq   | 10          |             |             |  |
| Dir/Evt | W Departure   | Time   | 2021-04-14 | 18.02.00  | Speed | 38mph (max) | 31mph (min) | 34mph (avg) |  |

| Equipment Type | Dir Seq | AEI Init | AEI Numb | Location    | TSS Init | TSS Numb | Asgn Ind | Car Kind | Arct Cnt | Cum Cnt |
|----------------|---------|----------|----------|-------------|----------|----------|----------|----------|----------|---------|
| Locomotive     |         | BNSF     | 4268 Z   | CHCPTL7 14A | BNSF     | 4268     |          |          |          |         |
|                |         | BNSF     | 7712 Z   | CHCPTL7 14A | BNSF     | 4863     |          |          |          |         |
|                |         | BNSF     | 4863 Z   | CHCPTL7 14A | BNSF     | 7712     |          |          |          |         |
| DPU            |         | BNSF     | 4027 Z   | CHCPTL7 14A | BNSF     | 4027     |          |          |          |         |
|                |         | BNSF     | 4555 Z   | CHCPTL7 14A | BNSF     | 4555     |          |          |          |         |
| Car            | 001     | DTTX     | 726332 Z | CHCPTL7 14A | DTTX     | 726332   |          |          |          |         |
|                | 002     | DTTX     | 645476 Z | CHCPTL7 14A | DTTX     | 645476   |          |          |          |         |
|                | 003     | DTTX     | 785593 Z | CHCPTL7 14A | DTTX     | 785593   |          |          |          |         |
|                | 004     | DTTX     | 475848 Z | CHCPTL7 14A | DTTX     | 475848   |          |          |          |         |
|                | 005     | DTTX     | 728146 Z | CHCPTL7 14A | DTTX     | 728146   |          |          |          |         |
|                | 006     | DTTX     | 652366 Z | CHCPTL7 14A | DTTX     | 652366   |          |          |          |         |
|                | 007     | DTTX     | 786987 Z | CHCPTL7 14A | DTTX     | 786987   |          |          |          |         |
|                | 008     | DTTX     | 728315 Z | CHCPTL7 14A | DTTX     | 728315   |          |          |          |         |
|                | 009     | DTTX     | 795380 Z | CHCPTL7 14A | DTTX     | 795380   |          |          |          |         |
|                | 010     | SFLC     | 9009 Z   | CHCPTL7 14A | SFLC     | 9009     |          |          |          |         |
|                | 011     | FEC      | 70376 Z  | CHCPTL7 14A | FEC      | 70376    |          |          |          |         |
|                | 012     | FEC      | 70569 Z  | CHCPTL7 14A | FEC      | 70569    |          |          |          |         |
|                | 013     | TTRX     | 360520 Z | CHCPTL7 14A | TTRX     | 360520   |          |          |          |         |
|                | 014     | TTAX     | 553014 Z | CHCPTL7 14A | TTAX     | 553014   |          |          |          |         |
| W              | 015     | BNSF     | 300639 Z | CHCPTL7 14A | BNSF     | 300639   |          |          |          |         |
|                | 016     | TTRX     | 360098 Z | CHCPTL7 14A | TTRX     | 360098   |          |          |          |         |
|                | 017     | TTAX     | 553629 Z | CHCPTL7 14A | TTAX     | 553629   |          |          |          |         |
|                | 018     | TTAX     | 654099 Z | CHCPTL7 14A | TTAX     | 654099   |          |          |          |         |
|                | 019     | TTAX     | 753460 Z | CHCPTL7 14A | TTAX     | 753460   |          |          |          |         |
|                | 020     | TTRX     | 370720 Z | CHCPTL7 14A | TTRX     | 370720   |          |          |          |         |
|                | 021     | SFLC     | 6326 Z   | CHCPTL7 14A | SFLC     | 6326     |          |          |          |         |
| W              | 022     | DTTX     | 658690 Z | CHCPTL7 14A | DTTX     | 658690   |          |          |          |         |
|                | 023     | DTTX     | 469922 Z | CHCPTL7 14A | DTTX     | 469922   |          |          |          |         |
|                | 024     | DTTX     | 787852 Z | CHCPTL7 14A | DTTX     | 787852   |          |          |          |         |
|                | 025     | DTTX     | 727344 Z | CHCPTL7 14A | DTTX     | 727344   |          |          |          |         |
|                | 026     | DTTX     | 732718 Z | CHCPTL7 14A | DTTX     | 732718   |          |          |          |         |
| W              | 027     | BNSF     | 253709 Z | CHCPTL7 14A | BNSF     | 253709   |          |          |          |         |
|                | 028     | DTTX     | 730044 Z | CHCPTL7 14A | DTTX     | 730044   |          |          |          |         |
|                | 029     | DTTX     | 786303 Z | CHCPTL7 14A | DTTX     | 786303   |          |          |          |         |
| W              | 030     | DTTX     | 620432 Z | CHCPTL7 14A | DTTX     | 620432   |          |          |          |         |
| W              | 031     | DTTX     | 467916 Z | CHCPTL7 14A | DTTX     | 467916   |          |          |          |         |
| E              | 032     | DTTX     | 680987 Z | CHCPTL7 14A | DTTX     | 680987   |          |          |          |         |
|                | 033     | DTTX     | 767288 Z | CHCPTL7 14A | DTTX     | 767288   |          |          |          |         |
|                | 034     | DTTX     | 723012 Z | CHCPTL7 14A | DTTX     | 723012   |          |          |          |         |
|                | 035     | DTTX     | 765120 Z | CHCPTL7 14A | DTTX     | 765120   |          |          |          |         |
|                | 036     | TTAX     | 554544 Z | CHCPTL7 14A | TTAX     | 554544   |          |          |          |         |
|                | 037     | DTTX     | 795397 Z | CHCPTL7 14A | DTTX     | 795397   |          |          |          |         |
|                | 038     | DTTX     | 646652 Z | CHCPTL7 14A | DTTX     | 646652   |          |          |          |         |
|                | 039     | TTAX     | 653021 Z | CHCPTL7 14A | TTAX     | 653021   |          |          |          |         |
| *              | ***     | *****    | *****    | *****       |          |          |          |          |          |         |
| *              |         | BNSF     | 4027     | Engine *    |          |          |          |          |          |         |
| *              |         | BNSF     | 4555     | Engine *    |          |          |          |          |          |         |
| *              | ***     | *****    | *****    | *****       |          |          |          |          |          |         |

**AEI-TSS Comparisons**

\*\*\*\*\* AEI/TSS Comparison \*\*\*\*\*

|         |               |        |            |              |       |             |             |             |
|---------|---------------|--------|------------|--------------|-------|-------------|-------------|-------------|
| Train   | Z-CHCPTL7-14A | Reader | 75599 ()   | NORTHTOWN MN | Seq   | 1030        |             |             |
| Dir/Evt | W Departure   | Time   | 2021-04-15 | 04.56.00     | Speed | 60mph (max) | 49mph (min) | 55mph (avg) |

| Equipment Type       | Dir Seq | AEI Init | AEI Numb | Location    | TSS Init | TSS Numb | Asgn Ind | Car Kind | Arct Cnt | Cum Cnt |
|----------------------|---------|----------|----------|-------------|----------|----------|----------|----------|----------|---------|
| Locomotive           |         | BNSF     | 4268 Z   | CHCPTL7 14A | BNSF     | 4268     |          |          |          |         |
|                      |         | BNSF     | 7712 Z   | CHCPTL7 14A | BNSF     | 7712     |          |          |          |         |
|                      |         | BNSF     | 4863 Z   | CHCPTL7 14A | BNSF     | 4863     |          |          |          |         |
| DPU                  |         | BNSF     | 4027 Z   | CHCPTL7 14A | BNSF     | 4027     |          |          |          |         |
|                      |         | BNSF     | 4555 Z   | CHCPTL7 14A | BNSF     | 4555     |          |          |          |         |
| Car                  | 001     | DTTX     | 726332 Z | CHCPTL7 14A | DTTX     | 726332   |          |          |          |         |
|                      | 002     | DTTX     | 645476 Z | CHCPTL7 14A | DTTX     | 645476   |          |          |          |         |
|                      | 003     | DTTX     | 785593 Z | CHCPTL7 14A | DTTX     | 785593   |          |          |          |         |
|                      | 004     | DTTX     | 475848 Z | CHCPTL7 14A | DTTX     | 475848   |          |          |          |         |
|                      | 005     | DTTX     | 728146 Z | CHCPTL7 14A | DTTX     | 728146   |          |          |          |         |
|                      | 006     | DTTX     | 652366 Z | CHCPTL7 14A | DTTX     | 652366   |          |          |          |         |
|                      | 007     | DTTX     | 786987 Z | CHCPTL7 14A | DTTX     | 786987   |          |          |          |         |
|                      | 008     | DTTX     | 728315 Z | CHCPTL7 14A | DTTX     | 728315   |          |          |          |         |
|                      | 009     | DTTX     | 795380 Z | CHCPTL7 14A | DTTX     | 795380   |          |          |          |         |
|                      | 010     | SFLC     | 9009 Z   | CHCPTL7 14A | SFLC     | 9009     |          |          |          |         |
|                      | 011     | FEC      | 70376 Z  | CHCPTL7 14A | FEC      | 70376    |          |          |          |         |
|                      | 012     | FEC      | 70569 Z  | CHCPTL7 14A | FEC      | 70569    |          |          |          |         |
|                      | 013     | TTRX     | 360520 Z | CHCPTL7 14A | TTRX     | 360520   |          |          |          |         |
|                      | 014     | TTAX     | 553014 Z | CHCPTL7 14A | TTAX     | 553014   |          |          |          |         |
| W                    | 015     | BNSF     | 300639 Z | CHCPTL7 14A | BNSF     | 300639   |          |          |          |         |
|                      | 016     | TTRX     | 360098 Z | CHCPTL7 14A | TTRX     | 360098   |          |          |          |         |
|                      | 017     | TTAX     | 553629 Z | CHCPTL7 14A | TTAX     | 553629   |          |          |          |         |
|                      | 018     | TTAX     | 654099 Z | CHCPTL7 14A | TTAX     | 654099   |          |          |          |         |
|                      | 019     | TTAX     | 753460 Z | CHCPTL7 14A | TTAX     | 753460   |          |          |          |         |
|                      | 020     | TTRX     | 370720 Z | CHCPTL7 14A | TTRX     | 370720   |          |          |          |         |
|                      | 021     | SFLC     | 6326 Z   | CHCPTL7 14A | SFLC     | 6326     |          |          |          |         |
| W                    | 022     | DTTX     | 658690 Z | CHCPTL7 14A | DTTX     | 658690   |          |          |          |         |
|                      | 023     | DTTX     | 469922 Z | CHCPTL7 14A | DTTX     | 469922   |          |          |          |         |
|                      | 024     | DTTX     | 787852 Z | CHCPTL7 14A | DTTX     | 787852   |          |          |          |         |
|                      | 025     | DTTX     | 727344 Z | CHCPTL7 14A | DTTX     | 727344   |          |          |          |         |
|                      | 026     | DTTX     | 732718 Z | CHCPTL7 14A | DTTX     | 732718   |          |          |          |         |
| W                    | 027     | BNSF     | 253709 Z | CHCPTL7 14A | BNSF     | 253709   |          |          |          |         |
|                      | 028     | DTTX     | 730044 Z | CHCPTL7 14A | DTTX     | 730044   |          |          |          |         |
|                      | 029     | DTTX     | 786303 Z | CHCPTL7 14A | DTTX     | 786303   |          |          |          |         |
| W                    | 030     | DTTX     | 620432 Z | CHCPTL7 14A | DTTX     | 620432   |          |          |          |         |
| W                    | 031     | DTTX     | 467916 Z | CHCPTL7 14A | DTTX     | 467916   |          |          |          |         |
| E                    | 032     | DTTX     | 680987 Z | CHCPTL7 14A | DTTX     | 680987   |          |          |          |         |
|                      | 033     | DTTX     | 767288 Z | CHCPTL7 14A | DTTX     | 767288   |          |          |          |         |
|                      | 034     | DTTX     | 723012 Z | CHCPTL7 14A | DTTX     | 723012   |          |          |          |         |
|                      | 035     | DTTX     | 765120 Z | CHCPTL7 14A | DTTX     | 765120   |          |          |          |         |
|                      | 036     | TTAX     | 554544 Z | CHCPTL7 14A | TTAX     | 554544   |          |          |          |         |
|                      | 037     | DTTX     | 795397 Z | CHCPTL7 14A | DTTX     | 795397   |          |          |          |         |
|                      | 038     | DTTX     | 646652 Z | CHCPTL7 14A | DTTX     | 646652   |          |          |          |         |
|                      | 039     | TTAX     | 653021 Z | CHCPTL7 14A | TTAX     | 653021   |          |          |          |         |
|                      | 040     | TTAX     | 553098 Z | CHCPTL7 14A | TTAX     | 553098   |          |          |          |         |
|                      | 041     | DTTX     | 400588 Z | CHCPTL7 14A | DTTX     | 400588   |          |          |          |         |
| W                    | 042     | DTTX     | 759486 Z | CHCPTL7 14A | DTTX     | 759486   |          |          |          |         |
| * *** *****          |         |          |          |             |          |          |          |          |          |         |
| * BNSF 4027 Engine * |         |          |          |             |          |          |          |          |          |         |
| * BNSF 4555 Engine * |         |          |          |             |          |          |          |          |          |         |
| * *** *****          |         |          |          |             |          |          |          |          |          |         |

Lines 40, 41, and 42 were added in Northtown, MN with not inspection.

Cars highlighted were added at Northtown, MN with no inspection

## AEI-TSS Comparisons

\*\*\*\*\* AEI/TSS Comparison \*\*\*\*\*

|         |               |        |            |          |       |             |             |             |  |
|---------|---------------|--------|------------|----------|-------|-------------|-------------|-------------|--|
| Train   | Z-CHCPTL7-14A | Reader | 75638 ()   | HAVRE MT | Seq   | 2340        |             |             |  |
| Dir/Evt | W Departure   | Time   | 2021-04-16 | 01:54:00 | Speed | 50mph (max) | 44mph (min) | 47mph (avg) |  |

| Equipment Type | Dir | Seq   | AEI Init | AEI Numb    | Location    | TSS Init | TSS Numb | Asgn Ind | Car Kind | Arct Cnt | Cum Cnt |
|----------------|-----|-------|----------|-------------|-------------|----------|----------|----------|----------|----------|---------|
| Locomotive     |     |       | BNSF     | 4268 Z      | CHCPTL7 14A | BNSF     | 4268     |          |          |          |         |
|                |     |       | BNSF     | 7712 Z      | CHCPTL7 14A | BNSF     | 7712     |          |          |          |         |
|                |     |       | BNSF     | 4863 Z      | CHCPTL7 14A | BNSF     | 4863     |          |          |          |         |
| DPU            |     |       | BNSF     | 4027 Z      | CHCPTL7 14A | BNSF     | 4027     |          |          |          |         |
|                |     |       | BNSF     | 4555 Z      | CHCPTL7 14A | BNSF     | 4555     |          |          |          |         |
| Car            | 001 | DTTX  | 767052 Z | CHCPTL7 14A | DTTX        | 767052   |          |          |          |          |         |
|                | 002 | DTTX  | 726238 Z | CHCPTL7 14A | DTTX        | 726238   |          |          |          |          |         |
|                | 003 | DTTX  | 726332 Z | CHCPTL7 14A | DTTX        | 726332   |          |          |          |          |         |
|                | 004 | DTTX  | 645476 Z | CHCPTL7 14A | DTTX        | 645476   |          |          |          |          |         |
|                | 005 | DTTX  | 785593 Z | CHCPTL7 14A | DTTX        | 785593   |          |          |          |          |         |
|                | 006 | DTTX  | 475848 Z | CHCPTL7 14A | DTTX        | 475848   |          |          |          |          |         |
|                | 007 | DTTX  | 728146 Z | CHCPTL7 14A | DTTX        | 728146   |          |          |          |          |         |
|                | 008 | DTTX  | 652366 Z | CHCPTL7 14A | DTTX        | 652366   |          |          |          |          |         |
|                | 009 | DTTX  | 786987 Z | CHCPTL7 14A | DTTX        | 786987   |          |          |          |          |         |
|                | 010 | DTTX  | 728315 Z | CHCPTL7 14A | DTTX        | 728315   |          |          |          |          |         |
|                | 011 | DTTX  | 795380 Z | CHCPTL7 14A | DTTX        | 795380   |          |          |          |          |         |
|                | 012 | SFLC  | 9009 Z   | CHCPTL7 14A | SFLC        | 9009     |          |          |          |          |         |
|                | 013 | FEC   | 70376 Z  | CHCPTL7 14A | FEC         | 70376    |          |          |          |          |         |
|                | 014 | FEC   | 70569 Z  | CHCPTL7 14A | FEC         | 70569    |          |          |          |          |         |
|                | 015 | TTRX  | 360520 Z | CHCPTL7 14A | TTRX        | 360520   |          |          |          |          |         |
|                | 016 | TTAX  | 553014 Z | CHCPTL7 14A | TTAX        | 553014   |          |          |          |          |         |
| W              | 017 | BNSF  | 300639 Z | CHCPTL7 14A | BNSF        | 300639   |          |          |          |          |         |
|                | 018 | TTRX  | 360098 Z | CHCPTL7 14A | TTRX        | 360098   |          |          |          |          |         |
|                | 019 | TTAX  | 553629 Z | CHCPTL7 14A | TTAX        | 553629   |          |          |          |          |         |
|                | 020 | TTAX  | 654099 Z | CHCPTL7 14A | TTAX        | 654099   |          |          |          |          |         |
|                | 021 | TTAX  | 753460 Z | CHCPTL7 14A | TTAX        | 753460   |          |          |          |          |         |
|                | 022 | TTRX  | 370720 Z | CHCPTL7 14A | TTRX        | 370720   |          |          |          |          |         |
|                | 023 | SFLC  | 6326 Z   | CHCPTL7 14A | SFLC        | 6326     |          |          |          |          |         |
| W              | 024 | DTTX  | 658690 Z | CHCPTL7 14A | DTTX        | 658690   |          |          |          |          |         |
|                | 025 | DTTX  | 469922 Z | CHCPTL7 14A | DTTX        | 469922   |          |          |          |          |         |
|                | 026 | DTTX  | 787852 Z | CHCPTL7 14A | DTTX        | 787852   |          |          |          |          |         |
|                | 027 | DTTX  | 727344 Z | CHCPTL7 14A | DTTX        | 727344   |          |          |          |          |         |
|                | 028 | DTTX  | 732718 Z | CHCPTL7 14A | DTTX        | 732718   |          |          |          |          |         |
| W              | 029 | BNSF  | 253709 Z | CHCPTL7 14A | BNSF        | 253709   |          |          |          |          |         |
|                | 030 | DTTX  | 730044 Z | CHCPTL7 14A | DTTX        | 730044   |          |          |          |          |         |
|                | 031 | DTTX  | 786303 Z | CHCPTL7 14A | DTTX        | 786303   |          |          |          |          |         |
| W              | 032 | DTTX  | 620432 Z | CHCPTL7 14A | DTTX        | 620432   |          |          |          |          |         |
| W              | 033 | DTTX  | 467916 Z | CHCPTL7 14A | DTTX        | 467916   |          |          |          |          |         |
| E              | 034 | DTTX  | 680987 Z | CHCPTL7 14A | DTTX        | 680987   |          |          |          |          |         |
|                | 035 | DTTX  | 767288 Z | CHCPTL7 14A | DTTX        | 767288   |          |          |          |          |         |
|                | 036 | DTTX  | 723012 Z | CHCPTL7 14A | DTTX        | 723012   |          |          |          |          |         |
|                | 037 | DTTX  | 765120 Z | CHCPTL7 14A | DTTX        | 765120   |          |          |          |          |         |
|                | 038 | TTAX  | 554544 Z | CHCPTL7 14A | TTAX        | 554544   |          |          |          |          |         |
|                | 039 | DTTX  | 795397 Z | CHCPTL7 14A | DTTX        | 795397   |          |          |          |          |         |
|                | 040 | DTTX  | 646652 Z | CHCPTL7 14A | DTTX        | 646652   |          |          |          |          |         |
|                | 041 | TTAX  | 653021 Z | CHCPTL7 14A | TTAX        | 653021   |          |          |          |          |         |
|                | 042 | TTAX  | 553098 Z | CHCPTL7 14A | TTAX        | 553098   |          |          |          |          |         |
|                | 043 | DTTX  | 400588 Z | CHCPTL7 14A | DTTX        | 400588   |          |          |          |          |         |
| W              | 044 | DTTX  | 759486 Z | CHCPTL7 14A | DTTX        | 759486   |          |          |          |          |         |
| *              | *** | ***** | *****    | *****       | *****       |          |          |          |          |          |         |
| *              |     |       | BNSF     | 4027        | Engine      | *        |          |          |          |          |         |
| *              |     |       | BNSF     | 4555        | Engine      | *        |          |          |          |          |         |
| *              | *** | ***** | *****    | *****       | *****       |          |          |          |          |          |         |

Lines 1 and 2 were added in Havre,  
MT without inspection.

Even if all other cars passed at the detector this addition  
would have put this train at the threshold of failure.

## AEI-TSS Comparisons

\*\*\*\*\* AEI/TSS Comparison \*\*\*\*\*

|         |               |        |                     |       |             |             |             |
|---------|---------------|--------|---------------------|-------|-------------|-------------|-------------|
| Train   | Z-CHCPTL7-14A | Reader | 75441 () NPORJCT OR | Seq   | 3930        |             |             |
| Dir/Evt | W Arrival     | Time   | 2021-04-17 00.51.00 | Speed | 23mph (max) | 22mph (min) | 23mph (avg) |

| Equipment Type | Dir Seq | AEI Init | AEI Numb | Location    | TSS Init | TSS Numb | Asgn Ind | Car Knd | Arct Cnt | Cum Cnt |
|----------------|---------|----------|----------|-------------|----------|----------|----------|---------|----------|---------|
| Locomotive     |         | BNSF     | 4268 Z   | CHCPTL7 14A | BNSF     | 4268     |          |         |          |         |
|                |         | BNSF     | 7712 Z   | CHCPTL7 14A | BNSF     | 7712     |          |         |          |         |
|                |         | BNSF     | 4863 Z   | CHCPTL7 14A | BNSF     | 4863     |          |         |          |         |
| DPU            |         | BNSF     | 4027 Z   | CHCPTL7 14A | BNSF     | 4027     |          |         |          |         |
|                |         | BNSF     | 4555 Z   | CHCPTL7 14A | BNSF     | 4555     |          |         |          |         |
| Car            | 001     | DTTX     | 767052 Z | CHCPTL7 14A | DTTX     | 767052   |          |         |          |         |
|                | 002     | DTTX     | 726238 Z | CHCPTL7 14A | DTTX     | 726238   |          |         |          |         |
|                | 003     | DTTX     | 726332 Z | CHCPTL7 14A | DTTX     | 726332   |          |         |          |         |
|                | 004     | DTTX     | 645476 Z | CHCPTL7 14A | DTTX     | 645476   |          |         |          |         |
|                | 005     | DTTX     | 785593 Z | CHCPTL7 14A | DTTX     | 785593   |          |         |          |         |
|                | 006     | DTTX     | 475848 Z | CHCPTL7 14A | DTTX     | 475848   |          |         |          |         |
|                | 007     | DTTX     | 728146 Z | CHCPTL7 14A | DTTX     | 728146   |          |         |          |         |
|                | 008     | DTTX     | 652366 Z | CHCPTL7 14A | DTTX     | 652366   |          |         |          |         |
|                | 009     | DTTX     | 786987 Z | CHCPTL7 14A | DTTX     | 786987   |          |         |          |         |
|                | 010     | DTTX     | 728315 Z | CHCPTL7 14A | DTTX     | 728315   |          |         |          |         |
|                | 011     | DTTX     | 795380 Z | CHCPTL7 14A | DTTX     | 795380   |          |         |          |         |
|                | 012     | SFLC     | 9009 Z   | CHCPTL7 14A | SFLC     | 9009     |          |         |          |         |
|                | 013     | FEC      | 70376 Z  | CHCPTL7 14A | FEC      | 70376    |          |         |          |         |
|                | 014     | FEC      | 70569 Z  | CHCPTL7 14A | FEC      | 70569    |          |         |          |         |
|                | 015     | TTRX     | 360520 Z | CHCPTL7 14A | TTRX     | 360520   |          |         |          |         |
|                | 016     | TTAX     | 553014 Z | CHCPTL7 14A | TTAX     | 553014   |          |         |          |         |
|                | W 017   | BNSF     | 300639 Z | CHCPTL7 14A | BNSF     | 300639   |          |         |          |         |
|                | 018     | TTRX     | 360098 Z | CHCPTL7 14A | TTRX     | 360098   |          |         |          |         |
|                | 019     | TTAX     | 553629 Z | CHCPTL7 14A | TTAX     | 553629   |          |         |          |         |
|                | 020     | TTAX     | 654099 Z | CHCPTL7 14A | TTAX     | 654099   |          |         |          |         |
|                | 021     | TTAX     | 753460 Z | CHCPTL7 14A | TTAX     | 753460   |          |         |          |         |
|                | 022     | TTRX     | 370720 Z | CHCPTL7 14A | TTRX     | 370720   |          |         |          |         |
|                | 023     | SFLC     | 6326 Z   | CHCPTL7 14A | SFLC     | 6326     |          |         |          |         |
|                | W 024   | DTTX     | 658690 Z | CHCPTL7 14A | DTTX     | 658690   |          |         |          |         |
|                | 025     | DTTX     | 469922 Z | CHCPTL7 14A | DTTX     | 469922   |          |         |          |         |
|                | 026     | DTTX     | 787852 Z | CHCPTL7 14A | DTTX     | 787852   |          |         |          |         |
|                | 027     | DTTX     | 727344 Z | CHCPTL7 14A | DTTX     | 727344   |          |         |          |         |
|                | 028     | DTTX     | 732718 Z | CHCPTL7 14A | DTTX     | 732718   |          |         |          |         |
|                | W 029   | BNSF     | 253709 Z | CHCPTL7 14A | BNSF     | 253709   |          |         |          |         |
|                | 030     | DTTX     | 730044 Z | CHCPTL7 14A | DTTX     | 730044   |          |         |          |         |
|                | 031     | DTTX     | 786303 Z | CHCPTL7 14A | DTTX     | 786303   |          |         |          |         |
|                | W 032   | DTTX     | 620432 Z | CHCPTL7 14A | DTTX     | 620432   |          |         |          |         |
|                | W 033   | DTTX     | 467916 Z | CHCPTL7 14A | DTTX     | 467916   |          |         |          |         |
|                | E 034   | DTTX     | 680987 Z | CHCPTL7 14A | DTTX     | 680987   |          |         |          |         |
|                | 035     | DTTX     | 767288 Z | CHCPTL7 14A | DTTX     | 767288   |          |         |          |         |
|                | 036     | DTTX     | 723012 Z | CHCPTL7 14A | DTTX     | 723012   |          |         |          |         |
|                | 037     | DTTX     | 765120 Z | CHCPTL7 14A | DTTX     | 765120   |          |         |          |         |
|                | 038     | TTAX     | 554544 Z | CHCPTL7 14A | TTAX     | 554544   |          |         |          |         |
|                | 039     | DTTX     | 795397 Z | CHCPTL7 14A | DTTX     | 795397   |          |         |          |         |
|                | 040     | DTTX     | 646652 Z | CHCPTL7 14A | DTTX     | 646652   |          |         |          |         |
|                | 041     | TTAX     | 653021 Z | CHCPTL7 14A | TTAX     | 653021   |          |         |          |         |
|                | 042     | TTAX     | 553098 Z | CHCPTL7 14A | TTAX     | 553098   |          |         |          |         |
|                | 043     | DTTX     | 400588 Z | CHCPTL7 14A | DTTX     | 400588   |          |         |          |         |
|                | W 044   | DTTX     | 759486 Z | CHCPTL7 14A | DTTX     | 759486   |          |         |          |         |
|                | *       | ***      | *****    | *****       |          |          |          |         |          |         |
|                | *       |          | BNSF     | 4027 Engine | *        |          |          |         |          |         |
|                | *       |          | BNSF     | 4555 Engine | *        |          |          |         |          |         |
|                | *       | ***      | *****    | *****       |          |          |          |         |          |         |

| Train ID    | Reporting Location | Time Stamp       |
|-------------|--------------------|------------------|
| ZCHCPTL714A | HAVRE,MT           | 04/15/2021 17:46 |
| ZCHCPTL714A | CICERO,IL          | 04/14/2021 07:18 |
| ZCHCPTL714A | HAVRE,MT           | 03/15/2021 14:38 |
| ZCHCPTL714A | CICERO,IL          | 03/14/2021 09:40 |
| ZCHCPTL714A | PORTLAND,OR        | 02/17/2021 14:35 |
| ZCHCPTL714A | HAVRE,MT           | 02/15/2021 18:00 |
| ZCHCPTL714A | PORTLAND,OR        | 01/17/2021 12:24 |
| ZCHCPTL714A | HAVRE,MT           | 01/15/2021 13:50 |
| ZCHCPTL714A | CICERO,IL          | 01/14/2021 09:23 |
| ZCHCPTL714A | PORTLAND,OR        | 12/17/2020 03:28 |





To Engineer :

Train ID: **Z-CHCPTL7-14-A** Number of Cars: **42**

Location: **HAVRE, MT** Date: **04/15/2021** Time: **17:46**

Place an X in the appropriate box or boxes

☐ Class I Brake test - initial terminal inspection (CFR 232.205)  
☐ Class IA Brake test - 1000 mile inspection (CFR 232.207)  
☐ Extended Haul Train - QMI brake test (CFR 232.213)  
☒ Technology Inspection (Waiver FRA 2016-2018)

Person(s) performing test (Include all employees who performed the test which must include first initial-last name or employee ID) Please notate if a non-BNSF employee.

#### **COLD WHEEL DETECTOR**

**WAIVER FROM 49 C.F.R. & 232.213:232.15; and 232.103(f) EXTENDED HAUL  
TRAINS MOVEMENT OF DEFECTIVE EQUIPMENT GENERAL  
REQUIREMENTS FOR ALL TRAIN BRAKE SYSTEMS FRA-2016-0018**

DP Equipped and 90 CFM Waiver Reported \_\_\_\_\_

ETD Number: \_\_\_\_\_

ETD Tested \_\_\_\_\_ ETD Tested by (first initial-last name): \_\_\_\_\_

ETD Test Location - Date - Time : **HAVRE, MT - 04/15/2021 - 17:46**

**PLACE ON CONTROL STAND OF LEAD LOCOMOTIVE IN PLAIN VIEW**

Form 15287 Revised 10/20



To Engineer :

Train ID: **Z-CHCPTL7-14-A** Number of Cars:**60**

Location: **CICERO, IL** Date: **04/14/2021** Time: **07:18**

Place an X in the appropriate box or boxes

- ☐ Class I Brake test - initial terminal inspection (CFR 232.205)  
☐ Class IA Brake test - 1000 mile inspection (CFR 232.207)  
☒ Extended Haul Train - QMI brake test (CFR 232.213)  
☐ Technology Inspection (Waiver FRA 2016-2018)

Person(s) performing test (Include all employees who performed the test which must include first initial-last name or employee ID) Please notate if a non-BNSF employee.

**OSVALDO ROMERO**

DP Equipped and 90 CFM Waiver Reported \_\_\_\_\_

ETD Number: \_\_\_\_\_

ETD Tested \_\_\_\_\_ ETD Tested by (first initial-last name): \_\_\_\_\_

ETD Test Location - Date - Time : **CICERO, IL - 04/14/2021 - 07:18**

**PLACE ON CONTROL STAND OF LEAD LOCOMOTIVE IN PLAIN VIEW**

Form 15287 Revised 10/20

# South Transcon



11:53:12 MDT Tuesday, April 13, 2021

Station BELEN From 04/07/2021 0000 To 04/07/2021 2359 Trains Z Dir Option N

Printer Print N Report Type D Delay N Comments N

| Train         | D | Inbd | Track | Arr     | Stop | Train | Power | Insp   | Insp  | Insp | B | Power | Power | Power | Power | Power | Fuel  | Fuel | Fuel |
|---------------|---|------|-------|---------|------|-------|-------|--------|-------|------|---|-------|-------|-------|-------|-------|-------|------|------|
|               | R | Enl  |       | Dy Tm   | Time | Made  | Ready | Type   | Start | Stop | O | Plan  | On    | Predt | Off   | HeadB | HeadE | MidB | MidE |
| Z WSPSTO9 06L | W | 0930 | 7101  | 07 1037 | 1045 |       |       | Waiver |       |      |   |       |       |       |       | 1049  | 1112  |      |      |
| Z WSPSBD8 05L | W | 0430 | 7198  | 07 0409 |      |       |       | Waiver |       |      |   |       |       |       |       | 0430  | 0456  |      |      |
| Z WSPPHX9 06L | W | 2100 | 7101  | 07 2137 | 2143 |       |       | Comp   | 2148  | 2221 |   |       |       |       |       | 2145  | 2208  |      |      |
| Z WSPPHX9 05L | W | 0001 | 7101  | 06 2354 | 0001 |       |       | Comp   | 0004  | 0042 |   |       |       |       |       | 0005  | 0030  |      |      |
| Z WSPNBY9 06U | W | 1330 | 7198  | 07 1406 |      |       |       | Waiver |       |      |   |       |       |       |       | 1417  | 1438  |      |      |
| Z WSPLAC9 06U | W | 1840 | 7222  | 07 1848 | 1857 |       |       | Comp   | 1901  | 2000 | 1 |       |       |       |       | 1901  | 1941  |      |      |
| Z STOWSP6 06L | E | 1855 | 7224  | 07 1930 | 2029 |       |       | EH15   | 2031  | 2118 |   |       |       |       |       | 2031  | 2058  |      |      |
| Z SBDWSP9 06L | E | 0800 | 7196  | 07 0736 | 0740 |       |       | Waiver |       |      |   |       |       |       |       | 0749  | 0810  |      |      |
| Z SBDWSP8 06U | E | 0320 | 7225  | 07 0259 |      |       |       | Waiver |       |      |   |       |       |       |       | 0314  | 0334  |      |      |
| Z SBDCHI6 05L | E | 2340 | 7225  | 07 0040 |      |       |       | EH     | 0049  | 0126 |   |       |       |       |       | 0046  | 0107  |      |      |
| Z SBDALT7 06L | E | 1750 | 7224  | 07 1810 | 1816 |       |       | No     |       |      |   |       |       |       |       | 1817  | 1840  |      |      |
| Z PHXWSP9 06L | E | 0030 | 7223  | 07 0026 |      |       |       | Comp   | 0036  | 0114 |   |       |       |       |       | 0031  | 0040  |      |      |
| Z NYCLAC9 06L | W | 1015 | 7198  | 07 1023 | 1033 |       |       | Waiver |       |      |   |       |       |       |       | 1053  | 1127  |      |      |
| Z NBYWSP9 06U | E | 0740 | 7222  | 07 0738 | 0820 |       |       | Waiver |       |      |   |       |       |       |       | 0805  | 0835  |      |      |
| Z MEMLAC7 05L | W | 1145 | 7101  | 07 1322 |      |       |       | Waiver |       |      |   |       |       |       |       | 1339  | 1400  |      |      |
| Z LPKLAC9 06L | W | 1315 | 7101  | 07 1422 |      |       |       | Waiver |       |      |   |       |       |       |       | 1435  | 1456  |      |      |
| Z LACWSP9 06U | E | 0525 | 7224  | 07 0512 | 0522 |       |       | EH     | 0524  | 0604 |   |       |       |       |       | 0528  | 0544  |      |      |
| Z LACWSP8 06U | E | 0240 | 7224  | 07 0231 |      |       |       | Waiver |       |      |   |       |       |       |       | 0245  | 0303  |      |      |
| Z LACNYC7 06L | E | 1230 | 7222  | 07 1237 |      |       |       | Comp   | 1247  | 1342 |   |       |       |       |       | 1237  | 1305  |      |      |
| Z LACMEM7 05L | E | 0300 | 7223  | 07 0246 |      |       |       | Waiver |       |      |   |       |       |       |       | 0258  | 0317  |      |      |
| Z LACLPR9 06L | E | 0630 | 7225  | 07 0606 | 0629 |       |       | Waiver |       |      |   |       |       |       |       | 0629  | 0656  |      |      |
| Z BELALT9 07L | E |      | 7222  | ORIG    |      |       | 0630  | Comp   | 0853  | 0902 |   |       |       | 0630  |       |       |       |      |      |
| Z AUGSBD7 04L | W | 0045 | 7196  | 07 0124 |      |       |       | Waiver |       |      |   |       |       |       |       | 0141  | 0200  |      |      |
| Z ALTSTO9 06L | W | 2240 | 7224  | 06 2318 |      |       |       | EH     | 2330  | 0003 |   |       |       |       |       | 2343  | 0002  |      |      |
| Z ALTSD9 07L  | W | 2120 | 7198  | 07 2203 |      |       |       | No     |       |      |   |       |       |       |       | 2214  | 2238  |      |      |

TSXPABIR 11:16:29 MDT Tuesday, April 13, 2021

## AEI-TSS Comparisons

\*\*\*\*\* AEI/TSS Comparison \*\*\*\*\*

|         |               |        |                     |         |             |              |              |  |  |
|---------|---------------|--------|---------------------|---------|-------------|--------------|--------------|--|--|
| Train   | Z-NRYWSP9-06U | Reader | 75078 ( )           | NDAY CA | Seq         | 40           |              |  |  |
| Dir/Evt | E Departure   | Time   | 2021-04-06 04:26:00 | Speed   | 40mph (max) | 160mph (min) | 277mph (avg) |  |  |

| Equipment Type | Dir | Seq | AEI Init | AEI Numb | Location    | TSS Init | TSS Numb | Asgn Ind | Car Kind | Artc Cnt | Cum Cnt |
|----------------|-----|-----|----------|----------|-------------|----------|----------|----------|----------|----------|---------|
| Locomotive     |     |     | BNSF     | 6615 Z   | NRYWSP9 06U | BNSF     | 6615     |          |          |          |         |
|                |     |     | BNSF     | 4746 Z   | NRYWSP9 06U | BNSF     | 4746     |          |          |          |         |
|                |     |     | BNSF     | 5402 Z   | NRYWSP9 06U | BNSF     | 5402     |          |          |          |         |
|                |     |     | BNSF     | 3250 Z   | NRYWSP9 06U | BNSF     | 3250     |          |          |          |         |
|                |     |     | BNSF     | 0190 Z   | NRYWSP9 06U | BNSF     | 0190     |          |          |          |         |
|                |     |     | BNSF     | 5106 Z   | NRYWSP9 06U | BNSF     | 5106     |          |          |          |         |
|                |     |     | BNSF     | 7920 Z   | NRYWSP9 06U | BNSF     | 7920     |          |          |          |         |
|                |     |     | BNSF     | 3943 Z   | NRYWSP9 06U | BNSF     | 3943     |          |          |          |         |
| Car            |     | 001 | FEC      | 72710 Z  | NRYWSP9 06U | FEC      | 72710    |          |          |          |         |
|                | E   | 002 | BNSF     | 253022 Z | NRYWSP9 06U | BNSF     | 253022   |          |          |          |         |
|                |     | 003 | BNSF     | 255780 Z | NRYWSP9 06U | BNSF     | 255780   |          |          |          |         |
|                |     | 004 | DTTX     | 765303 Z | NRYWSP9 06U | DTTX     | 765303   |          |          |          |         |
|                |     | 005 | BNSF     | 255604 Z | NRYWSP9 06U | BNSF     | 255604   |          |          |          |         |
|                |     | 006 | TTAX     | 554440 Z | NRYWSP9 06U | TTAX     | 554440   |          |          |          |         |
|                |     | 007 | DTTX     | 645654 Z | NRYWSP9 06U | DTTX     | 645654   |          |          |          |         |
|                |     | 008 | DTTX     | 767941 Z | NRYWSP9 06U | DTTX     | 767941   |          |          |          |         |
|                |     | 009 | DTTX     | 090150 Z | NRYWSP9 06U | DTTX     | 090150   |          |          |          |         |
|                |     | 010 | DTTX     | 785979 Z | NRYWSP9 06U | DTTX     | 785979   |          |          |          |         |
|                |     | 011 | DTTX     | 888675 Z | NRYWSP9 06U | DTTX     | 888675   |          |          |          |         |
|                |     | 012 | FEC      | 72500 Z  | NRYWSP9 06U | FEC      | 72500    |          |          |          |         |
|                |     | 013 | UCRY     | 57453 Z  | NRYWSP9 06U | UCRY     | 57453    |          |          |          |         |
|                |     | 014 | DTTX     | 646068 Z | NRYWSP9 06U | DTTX     | 646068   |          |          |          |         |
|                |     | 015 | DTTX     | 645155 Z | NRYWSP9 06U | DTTX     | 645155   |          |          |          |         |
|                |     | 016 | DTTX     | 724333 Z | NRYWSP9 06U | DTTX     | 724333   |          |          |          |         |

RTD

RNQ 91144

Summary of Changes

RNQ 91144 Moved from PTISABEL to NDAY; Picked up from NDAY

Original  
Consist



TSXPALR 11:47:08 MDT Tuesday, April 13, 2021

## AEI-TSS Comparisons

\*\*\*\*\* AEI/TSS Comparison \*\*\*\*\*

| Train          | 2-NRYWSP9-06U | Reader   | 75075 (1) DUFFY CA  | Seq         | 330         |             |             |          |          |
|----------------|---------------|----------|---------------------|-------------|-------------|-------------|-------------|----------|----------|
| Dir/Evt        | E Departure   | Time     | 2021-04-06 06:46:00 | Speed       | 66mph (max) | 59mph (min) | 63mph (avg) |          |          |
| Equipment Type | Dir Seq       | AEI Init | AEI Numb            | Location    | TSS Init    | TSS Numb    | Asgn Ind    | Car Kind | Arts Cnt |
| Locomotive     |               | BNSF     | 6615 Z              | NRYWSP9 06U | BNSF        | 6615        |             |          |          |
|                |               | BNSF     | 4746 Z              | NRYWSP9 06U | BNSF        | 4746        |             |          |          |
|                |               | BNSF     | 5482 Z              | NRYWSP9 06U | BNSF        | 5482        |             |          |          |
|                |               | BNSF     | 3250 Z              | NRYWSP9 06U | BNSF        | 3250        |             |          |          |
|                |               | BNSF     | 8190 Z              | NRYWSP9 06U | BNSF        | 8190        |             |          |          |
|                |               | BNSF     | 5106 Z              | NRYWSP9 06U | BNSF        | 5106        |             |          |          |
|                |               | BNSF     | 7920 Z              | NRYWSP9 06U | BNSF        | 7920        |             |          |          |
|                |               | BNSF     | 3943 Z              | NRYWSP9 06U | BNSF        | 3943        |             |          |          |
| Car            | 001           | FEC      | 72718 Z             | NRYWSP9 06U | FEC         | 72718       |             |          |          |
|                | 002           | BNSF     | 253022 Z            | NRYWSP9 06U | BNSF        | 253022      |             |          |          |
|                | 003           | BNSF     | 255780 Z            | NRYWSP9 06U | BNSF        | 255780      |             |          |          |
|                | 004           | DTTX     | 765303 Z            | NRYWSP9 06U | DTTX        | 765303      |             |          |          |
|                | 005           | BNSF     | 255604 Z            | NRYWSP9 06U | BNSF        | 255604      |             |          |          |
|                | 006           | TTAX     | 554440 Z            | NRYWSP9 06U | TTAX        | 554440      |             |          |          |
|                | 007           | TTAX     | 554074 Z            | NRYWSP9 06U | TTAX        | 554074      |             |          |          |
|                | 008           | TTAX     | 653074 Z            | NRYWSP9 06U | TTAX        | 653074      |             |          |          |
|                | 009           | TTAX     | 554278 Z            | NRYWSP9 06U | TTAX        | 554278      |             |          |          |
|                | 010           | TTAX     | 554150 Z            | NRYWSP9 06U | TTAX        | 554150      |             |          |          |
|                | 011           | TTAX     | 554574 Z            | NRYWSP9 06U | TTAX        | 554574      |             |          |          |
|                | 012           | TTRX     | 370317 Z            | NRYWSP9 06U | TTRX        | 370317      |             |          |          |
|                | 013           | TTRX     | 370001 Z            | NRYWSP9 06U | TTRX        | 370001      |             |          |          |
|                | 014           | DTTX     | 645654 Z            | NRYWSP9 06U | DTTX        | 645654      |             |          |          |
|                | 015           | DTTX     | 767941 Z            | NRYWSP9 06U | DTTX        | 767941      |             |          |          |
|                | 016           | DTTX     | 890158 Z            | NRYWSP9 06U | DTTX        | 890158      |             |          |          |
|                | 017           | DTTX     | 785979 Z            | NRYWSP9 06U | DTTX        | 785979      |             |          |          |
|                | 018           | DTTX     | 888675 Z            | NRYWSP9 06U | DTTX        | 888675      |             |          |          |
|                | 019           | FEC      | 72500 Z             | NRYWSP9 06U | FEC         | 72500       |             |          |          |
|                | 020           | UCKY     | 57453 Z             | NRYWSP9 06U | UCKY        | 57453       |             |          |          |
|                | 021           | DTTX     | 646068 Z            | NRYWSP9 06U | DTTX        | 646068      |             |          |          |
|                | 022           | DTTX     | 645155 Z            | NRYWSP9 06U | DTTX        | 645155      |             |          |          |
|                | 023           | DTTX     | 724333 Z            | NRYWSP9 06U | DTTX        | 724333      |             |          |          |
| RTD            |               | BNO      | 91144               |             | BNO         | 91144       |             |          |          |

7 cars  
1 Block  
of cars  
added

16 Cars on original consist

TSS@AEIR 12:02:21 MDT Tuesday, April 13, 2021

## AEI-TSS Comparisons

\*\*\*\*\* AEI/TSS Comparison \*\*\*\*\*

| Train          | 2-NRYWSP9-060 | Reader   | 75240 ()            | BELÉN NM    | Seq         | 2170        |             |         |          |         |
|----------------|---------------|----------|---------------------|-------------|-------------|-------------|-------------|---------|----------|---------|
| Dir/Knt        | E Departure   | Time     | 2021-04-07 08:56:00 | Speed       | 36mph (max) | 26mph (min) | 29mph (avg) |         |          |         |
| Equipment Type | Dir Seq       | AEI Init | AEI Numb            | Location    | TSS Init    | TSS Numb    | Asgn Ind    | Car Knd | Arto Cnt | Cum Cnt |
| Locomotive     |               | RNSP     | 6615 Z              | NRYWSP9 060 | BNSF        | 6615        |             |         |          |         |
|                |               | BNSF     | 4746 Z              | NRYWSP9 060 | RNSP        | 4746        |             |         |          |         |
|                |               | RNSP     | 5482 Z              | NRYWSP9 060 | BNSF        | 5482        |             |         |          |         |
|                |               | BNSF     | 3250 Z              | NRYWSP9 060 | RNSP        | 3250        |             |         |          |         |
|                |               | RNSP     | 8190 Z              | NRYWSP9 060 | BNSF        | 8190        |             |         |          |         |
|                |               | BNSF     | 5106 Z              | NRYWSP9 060 | RNSP        | 5106        |             |         |          |         |
|                |               | RNSP     | 7920 Z              | NRYWSP9 060 | BNSF        | 7920        |             |         |          |         |
|                |               | BNSF     | 3943 Z              | NRYWSP9 060 | RNSP        | 3943        |             |         |          |         |
| Car            | 001           | DTTX     | 727467 Z            | NRYWSP9 060 | DTTX        | 788320      |             |         |          |         |
|                | 002           | TTAX     | 553002 Z            | NRYWSP9 060 | TTAX        | 553802      |             |         |          |         |
|                | 003           | DTTX     | 788320 Z            | NRYWSP9 060 | DTTX        | 727447      |             |         |          |         |
|                | 004           | FEC      | 72710 Z             | NRYWSP9 060 | FEC         | 72718       |             |         |          |         |
|                | 005           | BNSF     | 253022 Z            | NRYWSP9 060 | BNSF        | 253022      |             |         |          |         |
|                | 006           | BNSF     | 255700 Z            | NRYWSP9 060 | RNSP        | 255780      |             |         |          |         |
|                | 007           | DTTX     | 765303 Z            | NRYWSP9 060 | DTTX        | 765303      |             |         |          |         |
|                | 008           | BNSF     | 255604 Z            | NRYWSP9 060 | RNSP        | 255604      |             |         |          |         |
|                | 009           | TTAX     | 554440 Z            | NRYWSP9 060 | TTAX        | 554440      |             |         |          |         |
|                | 010           | TTAX     | 554074 Z            | NRYWSP9 060 | TTAX        | 554074      |             |         |          |         |
|                | 011           | TTAX     | 653074 Z            | NRYWSP9 060 | TTAX        | 653074      |             |         |          |         |
|                | 012           | TTAX     | 554278 Z            | NRYWSP9 060 | TTAX        | 554270      |             |         |          |         |
|                | 013           | TTAX     | 554150 Z            | NRYWSP9 060 | TTAX        | 554150      |             |         |          |         |
|                | 014           | TTAX     | 554574 Z            | NRYWSP9 060 | TTAX        | 554574      |             |         |          |         |
|                | 015           | TTAX     | 370317 Z            | NRYWSP9 060 | TTAX        | 370317      |             |         |          |         |
|                | 016           | TTAX     | 370001 Z            | NRYWSP9 060 | TTAX        | 370001      |             |         |          |         |
|                | 017           | DTTX     | 645654 Z            | NRYWSP9 060 | DTTX        | 645654      |             |         |          |         |
|                | 018           | DTTX     | 767941 Z            | NRYWSP9 060 | DTTX        | 767941      |             |         |          |         |
|                | 019           | DTTX     | 890158 Z            | NRYWSP9 060 | DTTX        | 890158      |             |         |          |         |
| RTD            |               | NS       | 73455               |             | NS          | 73455       |             |         |          |         |
|                |               | BNO      | 91144               |             |             |             |             |         |          |         |

- 9 Cars on original consist (7 of the original set out)
- 7 Cars from pickup at Duffy, CA
- 3 cars picked up at Belen, NM

TSXPALJR 11:48:12 MDT Tuesday, April 13, 2021

## AEI-TSS Comparisons

\*\*\*\*\* AEI/TSS Comparison \*\*\*\*\*

|                |               |          |                       |             |             |             |             |         |          |         |
|----------------|---------------|----------|-----------------------|-------------|-------------|-------------|-------------|---------|----------|---------|
| Train          | Z-NBYWSP9-060 | Reader   | 75315 ( ) HOLLIDAY KS | Seq         | 3400        |             |             |         |          |         |
| Dir/Evt        | R Arrival     | Time     | 2021-04-08 04:08:00   | Speed       | 60mph (max) | 56mph (min) | 58mph (avg) |         |          |         |
| Equipment Type | Dir Seq       | AEI Init | AEI Numb              | Location    | TSS Init    | TSS Numb    | Asgn Ind    | Car Knd | Arct Cnt | Cum Cnt |
| Locomotive     |               | BNSF     | 6615 Z                | NBYWSP9 060 | BNSF        | 6615        |             |         |          |         |
|                |               | BNSF     | 4746 Z                | NBYWSP9 060 | BNSF        | 4746        |             |         |          |         |
|                |               | BNSF     | 5482 Z                | NBYWSP9 060 | BNSF        | 5482        |             |         |          |         |
|                |               | BNSF     | 3250 Z                | NBYWSP9 060 | BNSF        | 3250        |             |         |          |         |
|                |               | BNSF     | 8190 Z                | NBYWSP9 060 | BNSF        | 8190        |             |         |          |         |
|                |               | BNSF     | 5106 Z                | NBYWSP9 060 | BNSF        | 5106        |             |         |          |         |
|                |               | BNSF     | 7920 Z                | NBYWSP9 060 | BNSF        | 7920        |             |         |          |         |
|                |               | BNSF     | 3943 Z                | NBYWSP9 060 | BNSF        | 3943        |             |         |          |         |
| Car            | 001           | DTTX     | 727447 Z              | NBYWSP9 060 | DTTX        | 727447      |             |         |          |         |
|                | 002           | TTAX     | 553802 Z              | NBYWSP9 060 | TTAX        | 553802      |             |         |          |         |
|                | 003           | DTTX     | 788320 Z              | NBYWSP9 060 | DTTX        | 788320      |             |         |          |         |
|                | 004           | FEC      | 72718 Z               | NBYWSP9 060 | FEC         | 72718       |             |         |          |         |
|                | E 005         | BNSF     | 253022 Z              | NBYWSP9 060 | BNSF        | 253022      |             |         |          |         |
|                | 006           | BNSF     | 255780 Z              | NBYWSP9 060 | BNSF        | 255780      |             |         |          |         |
|                | 007           | DTTX     | 765303 Z              | NBYWSP9 060 | DTTX        | 765303      |             |         |          |         |
|                | 008           | BNSF     | 255604 Z              | NBYWSP9 060 | BNSF        | 255604      |             |         |          |         |
|                | 009           | TTAX     | 554440 Z              | NBYWSP9 060 | TTAX        | 554440      |             |         |          |         |
| RTD            |               | NS       | 73455                 |             | NS          | 73455       |             |         |          |         |
|                |               | BND      | 41144                 |             |             |             |             |         |          |         |

6 Car on original consist (3 cars set out)

3 Cars picked up at Belen, NE

7 cars from Duffy set out



TSXPABIR 11:19:22 MDT Tuesday, April 13, 2021

## AEI-TSS Comparisons

\*\*\*\*\* AEI/TSS Comparison \*\*\*\*\*

|                |               |          |          |             |           |          |             |             |             |         |  |
|----------------|---------------|----------|----------|-------------|-----------|----------|-------------|-------------|-------------|---------|--|
| Train          | N-NRYWSP9-060 |          | Reader   | 75208 (1)   | JOLJET IL | Seq      | 4230        |             |             |         |  |
| Dir/Evt        | E Departure   |          | Time     | 2021-04-08  | 13:56:00  | Speed    | 58mph (max) | 53mph (min) | 55mph (avg) |         |  |
| Equipment Type | Dir Seq       | AEI Init | AEI Numb | Location    | TSS Init  | TSS Numb | Asgn Ind    | Car Kind    | Arto Cnt    | Cum Cnt |  |
| Locomotive     |               | BNSF     | 6615     | NRYWSP9 060 | BNSF      | 6615     |             |             |             |         |  |
|                |               | BNSF     | 4746     | NRYWSP9 060 | BNSF      | 4746     |             |             |             |         |  |
|                |               | BNSF     | 5482     | NRYWSP9 060 | BNSF      | 5482     |             |             |             |         |  |
|                |               | BNSF     | 3250     | NRYWSP9 060 | BNSF      | 3250     |             |             |             |         |  |
|                |               | BNSF     | 8190     | NRYWSP9 060 | BNSF      | 8190     |             |             |             |         |  |
|                |               | BNSF     | 5106     | NRYWSP9 060 | BNSF      | 5106     |             |             |             |         |  |
|                |               | BNSF     | 7920     | NRYWSP9 060 | BNSF      | 7920     |             |             |             |         |  |
|                |               | BNSF     | 3943     | NRYWSP9 060 | BNSF      | 3943     |             |             |             |         |  |
|                |               |          |          |             |           |          |             |             |             |         |  |
| Car            | 001           | DTTX     | 727447   | NRYWSP9 060 | DTTX      | 727447   |             |             |             |         |  |
|                | 002           | TTAX     | 553802   | NRYWSP9 060 | TTAX      | 553802   |             |             |             |         |  |
|                | 003           | DTTX     | 788320   | NRYWSP9 060 | DTTX      | 788320   |             |             |             |         |  |
|                | 004           | PRC      | 72710    | NRYWSP9 060 | PRC       | 72710    |             |             |             |         |  |
|                | 005           | BNSF     | 253022   | NRYWSP9 060 | BNSF      | 253022   |             |             |             |         |  |
|                | 006           | BNSF     | 255780   | NRYWSP9 060 | BNSF      | 255780   |             |             |             |         |  |
|                | 007           | DTTX     | 765303   | NRYWSP9 060 | DTTX      | 765303   |             |             |             |         |  |
|                | 008           | BNSF     | 255604   | NRYWSP9 060 | BNSF      | 255604   |             |             |             |         |  |
|                | 009           | TTAX     | 554440   | NRYWSP9 060 | TTAX      | 554440   |             |             |             |         |  |
| RTD            |               | NS       | 73455    |             | NS        | 73455    |             |             |             |         |  |
|                |               | BNSF     | 31144    |             |           |          |             |             |             |         |  |

6 cars from original consist

3 cars from pickup at Belen, NM

From Beginning to end one trip They had  
 1 pickup at Duffy 1 pickup and 1 set out at  
 Belen, NM and 2 set outs at Hollicay, KS  
 in all they had 2 blocks of cars  
 picked up and 3 blocks of cars set out  
 enroute. ~~Train~~ Train showed up at  
 Belen, NM which mean only 6 cars of  
 the 26 different cars were cars that used







|               |         |      |      |    |   |   |    |    |      |   |   |     |           |           |  |    |    |    |         |    |          |        |             |
|---------------|---------|------|------|----|---|---|----|----|------|---|---|-----|-----------|-----------|--|----|----|----|---------|----|----------|--------|-------------|
| Z-NBYWSP9-06U | SHIPLE  | 0406 | 2230 | TD | E | P | 23 | 21 | 913  | G | 0 | O/N | BNSF 6615 | SHIAE     |  | 39 | 41 | 43 | TB75350 | 01 | ZC1PNC29 | 461.5  | SELIGMAN    |
| Z-NBYWSP9-06U | WALAPA  | 0406 | 2138 | TD | E | C | 23 | 23 | 100% | 0 | 0 | O/N | BNSF 6615 | WALEASONE |  | 57 | 61 | 66 | TB75247 |    | ZC3PNC16 | 500    | SELIGMAN    |
| Z-NBYWSP9-06U | NEEDCA  | 0406 | 1902 | TD | E | C | 23 | 23 | 100% | 0 | 0 | O/N | BNSF 6615 | NEEEMAE   |  | 47 | 54 | 57 | TB75065 |    | ZC3PNC12 | 572.4  | NEEDLES     |
| Z-NBYWSP9-06U | JAVACA  | 0406 | 1828 | TA | E | C | 23 | 23 | 100% | 0 | 0 | O/N | BNSF 6615 | NEEWAAE   |  | 45 | 47 | 49 | TB75266 |    | ZC1PNC22 | 584.6  | NEEDLES     |
| Z-NBYWSP9-06U | BAGDAD  | 0406 | 1654 | TD | E | C | 23 | 23 | 100% | 0 | 0 | O/N | BNSF 6615 | BAGEASAEI |  | 58 | 61 | 66 | TB75064 |    | ZC1PNC60 | 608    | NEEDLES     |
| Z-NBYWSP9-06U | LLIDICA | 0406 | 1615 | TA | E | C | 23 | 23 | 100% | 0 | 0 | O/N | BNSF 6615 | LIDDAE    |  | 40 | 42 | 44 | TB75231 |    | ZC3PNC23 | 594.7  | NEEDLES     |
| Z-NBYWSP9-06U | BARSCA  | 0406 | 1528 | TD | E | C | 23 | 23 | 100% | 0 | 0 | O/N | BNSF 6615 | BARAEI    |  | 52 | 59 | 67 | TA75060 |    | ZC3PNC04 | 743.3  | CAJON       |
| Z-NBYWSP9-06U | BARSCA  | 0406 | 1519 | TA | E | C | 23 | 23 | 100% | 0 | 0 | O/N | BNSF 6615 | BARNAE    |  | 48 | 51 | 56 | TA75050 |    | ZC3PNC10 | 753.4  | CAJON       |
| Z-NBYWSP9-06U | TEHACH  | 0406 | 1331 | TD | E | C | 23 | 23 | 100% | 0 | 0 | O/N | BNSF 6615 | TENSPWAEI |  | 11 | 11 | 12 | TA75861 |    | ZC1PNC06 | 360.6  | MOJAVE      |
| Z-NBYWSP9-06U | BEALVI  | 0406 | 1218 | TD | S | C | 23 | 23 | 100% | 0 | 0 | O/N | BNSF 6615 | BAKSPAE   |  | 2  | 2  | 3  | TA75862 |    | ZC1PNC33 | 340.6  | MOJAVE      |
| Z-NBYWSP9-06U | BAKERS  | 0406 | 1115 | TD | E | C | 23 | 23 | 100% | 0 | 0 | O/Y | BNSF 6615 | BAKSAE    |  | 14 | 16 | 19 | TB75070 |    | ZC3PNC19 | 885.8  | BAKERSFIELD |
| Z-NBYWSP9-06U | BAKERS  | 0406 | 1044 | TA | E | C | 23 | 23 | 100% | 0 | 0 | O/N | BNSF 6615 | BAKWAIE   |  | 39 | 45 | 49 | TA75071 |    | ZC2PNC07 | 889.7  | BAKERSFIELD |
| Z-NBYWSP9-06U | BOWLES  | 0406 | 0859 | TD | E | C | 23 | 23 | 100% | 0 | 0 | O/N | BNSF 6615 | FRESAEI   |  | 59 | 65 | 68 | TA75072 |    | ZC3PNC23 | 986.2  | BAKERSFIELD |
| Z-NBYWSP9-06U | FRESCA  | 0406 | 0835 | TA | E | C | 23 | 23 | 100% | 0 | 0 | O/N | BNSF 6615 | FREWAEI   |  | 59 | 63 | 69 | TA75069 |    | ZC2PNC06 | 1001.9 | STOCKTON    |
| Z-NBYWSP9-06U | FLUHR   | 0406 | 0729 | TD | E | C | 23 | 23 | 100% | 0 | 0 | O/N | BNSF 6615 | WINAEI    |  | 41 | 47 | 54 | TA75378 |    | ZC3PNC13 | 1066   | STOCKTON    |
| Z-NBYWSP9-06U | MODEMP  | 0406 | 0706 | TD | E | C | 23 | 23 | 100% | 0 | 0 | O/N | BNSF 6615 | MOCSAEI   |  | 54 | 59 | 66 | TA75273 |    | ZC3PNC09 | 1086.8 | STOCKTON    |
| Z-NBYWSP9-06U | MODEMP  | 0406 | 0702 | TA | E | C | 23 | 23 | 100% | 0 | 0 | O/N | BNSF 6615 | MODWAEI   |  | 62 | 64 | 67 | TA75074 |    | ZC3PNC05 | 1091.3 | STOCKTON    |
| Z-NBYWSP9-06U | DUFFY   | 0406 | 0646 | TD | E | C | 23 | 23 | 100% | 0 | 0 | O/N | BNSF 6615 | STOEAEI   |  | 59 | 63 | 66 | TB75075 |    | ZC2PNC50 | 1107.1 | STOCKTON    |
| Z-NBYWSP9-06U | STOCKT  | 0406 | 0539 | TA | E | C | 16 | 16 | 100% | 0 | 0 | O/N | BNSF 6615 | STOWAEI   |  | 58 | 62 | 67 | TA75276 |    | ZC1PNC07 | 1123.8 | STOCKTON    |
| Z-NBYWSP9-06U | PTC-C   | 0406 | 0458 | TD | E | C | 16 | 16 | 100% | 0 | 0 | O/N | BNSF 6615 | PTC-EAEI  |  | 48 | 52 | 53 | TA75277 |    | ZC3PNC14 | 1153.3 | STOCKTON    |
| Z-NBYWSP9-06U | NBAY    | 0406 | 0426 | TD | E | C | 16 | 16 | 100% | 0 | 0 | O/N | BNSF 6615 | NBAYEAEI  |  | 16 | 17 | 40 | TA75278 |    | ZC1PNC03 | 1189.2 | STOCKTON    |



11:45:37 MDT Tuesday, April 13, 2021

Trn Z NBYWSP9 06 06 U Station MMY 0421 Dir Evt Evst StrTp Svc SetID

Delays Cancelled Evts E

| G | P | Train         | Station | Evt Date | Evt Time | Event | Dir | S | Status   | Lds | Mty | Total Cars | Tons | Length | Loco Length | Total Length | Act. HpT | Haz Cd | Haz Lds | Haz Mty |
|---|---|---------------|---------|----------|----------|-------|-----|---|----------|-----|-----|------------|------|--------|-------------|--------------|----------|--------|---------|---------|
|   |   | Z NBYWSP9 06U | CHICAG  | 0408     | 1728     | TAWO+ | E   | D | 1H 43M L | 0   | 0   | 0          | 0    | 0      | 585         | 585          | 585      | 6.9    | 0       | 0       |
|   |   | Z NBYWSP9 06U | MCCOIL  | 0408     | 1705     | TAPS* | E   | I | 1H 49M L | 0   | 0   | 0          | 0    | 0      | 585         | 585          | 585      | 6.9    | 0       | 0       |
|   |   | Z NBYWSP9 06U | MCCOIL  | 0408     | 1704     | TAPS+ | E   | I | 1H 49M L | 0   | 0   | 0          | 0    | 0      | 585         | 585          | 585      | 6.9    | 0       | 0       |
|   |   | Z NBYWSP9 06U | WILSIL  | 0408     | 1659     | TAPS+ | E   | I | 1H 59M L | 0   | 0   | 0          | 0    | 0      | 585         | 585          | 585      | 6.9    | 0       | 0       |
|   |   | Z NBYWSP9 06U | WILSIL  | 0408     | 1600     | TAWO+ | E   | I | 1H 45M L | 19  | 0   | 19         | 923  | 1882   | 585         | 2467         | 4        | 0      | 0       | 0       |
|   |   | Z NBYWSP9 06U | WILSIL  | 0408     | 1600     | TAPS+ | E   | I | 1H 45M L | 19  | 0   | 19         | 923  | 1882   | 585         | 2467         | 4        | 0      | 0       | 0       |
|   |   | Z NBYWSP9 06U | ROMEO   | 0408     | 1400     | PSPS+ | E   | I | 0H 02M A | 19  | 0   | 19         | 923  | 1882   | 585         | 2467         | 4        | 0      | 0       | 0       |
|   |   | Z NBYWSP9 06U | JOLIIL  | 0408     | 1356     | TAPS+ | E   | I | 0H 02M L | 19  | 0   | 19         | 923  | 1882   | 585         | 2467         | 4        | 0      | 0       | 0       |
|   |   | Z NBYWSP9 06U | JOLIIL  | 0408     | 1355     | TAPS* | E   | I | 0H 02M L | 19  | 0   | 19         | 923  | 1882   | 585         | 2467         | 4        | 0      | 0       | 0       |
|   |   | Z NBYWSP9 06U | JOLIIL  | 0408     | 1347     | PSPS+ | E   | I | 0H 07M A | 19  | 0   | 19         | 923  | 1882   | 585         | 2467         | 4        | 0      | 0       | 0       |
|   |   | Z NBYWSP9 06U | PLAIL   | 0408     | 1341     | PSPS+ | E   | I | 0H 06M A | 19  | 0   | 19         | 923  | 1882   | 585         | 2467         | 4        | 0      | 0       | 0       |
|   |   | Z NBYWSP9 06U | LPCHI   | 0408     | 1335     | TAPS+ | E   | I | 0H 06M A | 19  | 0   | 19         | 923  | 1882   | 585         | 2467         | 4        | 0      | 0       | 0       |
|   |   | Z NBYWSP9 06U | LPCHI   | 0408     | 1333     | TAPS+ | E   | I | 0H 07M A | 19  | 0   | 19         | 923  | 1882   | 585         | 2467         | 4        | 0      | 0       | 0       |
|   |   | Z NBYWSP9 06U | PEQUOT  | 0408     | 1327     | TAPS+ | E   | I | 0H 01M A | 19  | 0   | 19         | 923  | 1882   | 585         | 2467         | 4        | 0      | 0       | 0       |
|   |   | Z NBYWSP9 06U | PEQUOT  | 0408     | 1325     | TAPS+ | E   | I | 0H 02M A | 19  | 0   | 19         | 923  | 1882   | 585         | 2467         | 4        | 0      | 0       | 0       |
|   |   | Z NBYWSP9 06U | VEROIL  | 0408     | 1311     | PSPS+ | E   | I | 0H 02M A | 19  | 0   | 19         | 923  | 1882   | 585         | 2467         | 4        | 0      | 0       | 0       |
|   |   | Z NBYWSP9 06U | STREAT  | 0408     | 1252     | TAPS* | E   | I | 0H 01M A | 19  | 0   | 19         | 923  | 1882   | 585         | 2467         | 4        | 0      | 0       | 0       |
|   |   | Z NBYWSP9 06U | STREAT  | 0408     | 1244     | TAPS+ | E   | I | 0H 08M A | 19  | 0   | 19         | 923  | 1882   | 585         | 2467         | 4        | 0      | 0       | 0       |
|   |   | Z NBYWSP9 06U | ANCONA  | 0408     | 1241     | TAPS+ | E   | I | 0H 05M A | 19  | 0   | 19         | 923  | 1882   | 585         | 2467         | 4        | 0      | 0       | 0       |
|   |   | Z NBYWSP9 06U | ANCONA  | 0408     | 1240     | TAPS* | E   | I | 0H 05M A | 19  | 0   | 19         | 923  | 1882   | 585         | 2467         | 4        | 0      | 0       | 0       |
|   |   | Z NBYWSP9 06U | TOLUCA  | 0408     | 1230     | PSPS+ | E   | I | 0H 00M A | 19  | 0   | 19         | 923  | 1882   | 585         | 2467         | 4        | 0      | 0       | 0       |
|   |   | Z NBYWSP9 06U | CHILIL  | 0408     | 1152     | PSPS+ | E   | I | 0H 16M A | 19  | 0   | 19         | 923  | 1882   | 585         | 2467         | 4        | 0      | 0       | 0       |
|   |   | Z NBYWSP9 06U | EDELST  | 0408     | 1143     | TAPS* | E   | I | 0H 16M A | 19  | 0   | 19         | 923  | 1882   | 585         | 2467         | 4        | 0      | 0       | 0       |
|   |   | Z NBYWSP9 06U | EDELST  | 0408     | 1135     | TAPS+ | E   | I | 0H 23M A | 19  | 0   | 19         | 923  | 1882   | 585         | 2467         | 4        | 0      | 0       | 0       |
|   |   | Z NBYWSP9 06U | WILLIL  | 0408     | 1120     | PSPS+ | E   | I | 0H 17M A | 19  | 0   | 19         | 923  | 1882   | 585         | 2467         | 4        | 0      | 0       | 0       |
|   |   | Z NBYWSP9 06U | YOST    | 0408     | 1020     | PSPS+ | E   | I | 1H 00M A | 19  | 0   | 19         | 923  | 1882   | 585         | 2467         | 4        | 0      | 0       | 0       |



|               |        |      |      |       |   |   |          |    |   |    |      |      |     |      |       |   |   |
|---------------|--------|------|------|-------|---|---|----------|----|---|----|------|------|-----|------|-------|---|---|
| Z NBYWSP9 06U | ORMOND | 0408 | 0958 | PSPS+ | E | I | 1H 01M A | 19 | 0 | 19 | 923  | 1882 | 585 | 2467 | 4     | 0 | 0 |
| Z NBYWSP9 06U | STROIL | 0408 | 0942 | PSPS+ | E | I | 0H 59M A | 19 | 0 | 19 | 923  | 1882 | 585 | 2467 | 4     | 0 | 0 |
| Z NBYWSP9 06U | LOMAX  | 0408 | 0934 | PSPS+ | E | I | 0H 55M A | 19 | 0 | 19 | 923  | 1882 | 585 | 2467 | 4     | 0 | 0 |
| Z NBYWSP9 06U | LOMAX  | 0408 | 0933 | TDPS+ | E | I | 0H 56M A | 19 | 0 | 19 | 923  | 1882 | 585 | 2467 | 4     | 0 | 0 |
| Z NBYWSP9 06U | LOMAX  | 0408 | 0932 | TAPS* | E | I | 0H 56M A | 19 | 0 | 19 | 923  | 1882 | 585 | 2467 | 4     | 0 | 0 |
| Z NBYWSP9 06U | NIOTA  | 0408 | 0917 | PSPS+ | E | I | 0H 59M A | 19 | 0 | 19 | 923  | 1882 | 585 | 2467 | 4     | 0 | 0 |
| Z NBYWSP9 06U | FTMADI | 0408 | 0909 | TDPS+ | E | C | 1H 01M A | 19 | 0 | 19 | 923  | 1882 | 585 | 2467 | 4     | 0 | 0 |
| Z NBYWSP9 06U | FTMADI | 0408 | 0828 | TAPS+ | E | C | 1H 22M A | 19 | 0 | 19 | 923  | 1882 | 585 | 2467 | 4     | 0 | 0 |
| Z NBYWSP9 06U | MEDILL | 0408 | 0805 | PSPS+ | E | I | 1H 14M A | 19 | 0 | 19 | 923  | 1882 | 585 | 2467 | 4     | 0 | 0 |
| Z NBYWSP9 06U | BARIMO | 0408 | 0739 | PSPS+ | E | I | 1H 12M A | 19 | 0 | 19 | 923  | 1882 | 585 | 2467 | 4     | 0 | 0 |
| Z NBYWSP9 06U | LAPLMO | 0408 | 0721 | PSPS+ | E | I | 1H 06M A | 19 | 0 | 19 | 923  | 1882 | 585 | 2467 | 4     | 0 | 0 |
| Z NBYWSP9 06U | ETHEL  | 0408 | 0705 | PSPS+ | E | I | 1H 03M A | 19 | 0 | 19 | 923  | 1882 | 585 | 2467 | 4     | 0 | 0 |
| Z NBYWSP9 06U | MARCMO | 0408 | 0646 | TDPS* | E | I | 1H 03M A | 19 | 0 | 19 | 923  | 1882 | 585 | 2467 | 4     | 0 | 0 |
| Z NBYWSP9 06U | MARCMO | 0408 | 0629 | TAPS+ | E | I | 1H 19M A | 19 | 0 | 19 | 923  | 1882 | 585 | 2467 | 4     | 0 | 0 |
| Z NBYWSP9 06U | HARDMO | 0408 | 0551 | PSPS+ | E | I | 0H 55M A | 19 | 0 | 19 | 923  | 1882 | 585 | 2467 | 4     | 0 | 0 |
| Z NBYWSP9 06U | SIBLEY | 0408 | 0529 | PSPS+ | E | I | 0H 55M A | 19 | 0 | 19 | 923  | 1882 | 585 | 2467 | 4     | 0 | 0 |
| Z NBYWSP9 06U | ETON   | 0408 | 0516 | TDPS* | E | I | 0H 55M A | 19 | 0 | 19 | 923  | 1882 | 585 | 2467 | 4     | 0 | 0 |
| Z NBYWSP9 06U | ETON   | 0408 | 0457 | TAPS+ | E | I | 1H 13M A | 19 | 0 | 19 | 923  | 1882 | 585 | 2467 | 4     | 0 | 0 |
| Z NBYWSP9 06U | CONGO  | 0408 | 0450 | TDPS* | E | I | 1H 12M A | 19 | 0 | 19 | 923  | 1882 | 585 | 2467 | 4     | 0 | 0 |
| Z NBYWSP9 06U | CONGO  | 0408 | 0449 | TAPS* | E | I | 1H 12M A | 19 | 0 | 19 | 923  | 1882 | 585 | 2467 | 4     | 0 | 0 |
| Z NBYWSP9 06U | KANCKS | 0408 | 0431 | TDPS+ | E | I | 1H 19M A | 19 | 0 | 19 | 923  | 1882 | 585 | 2467 | 4     | 0 | 0 |
| Z NBYWSP9 06U | KANCKS | 0408 | 0420 | TAPS+ | E | I | 1H 00M A | 19 | 0 | 19 | 923  | 1882 | 585 | 2467 | 4     | 0 | 0 |
| Z NBYWSP9 06U | HOLLID | 0408 | 0412 | TDPS+ | E | I | 0H 54M A | 19 | 0 | 19 | 923  | 1882 | 585 | 2467 | 4     | 0 | 0 |
| Z NBYWSP9 06U | HOLLID | 0408 | 0408 | TAPS+ | E | I | 0H 57M A | 19 | 0 | 19 | 923  | 1882 | 585 | 2467 | 4     | 0 | 0 |
| Z NBYWSP9 06U | OLATHE | 0408 | 0359 | PSPS+ | E | I | 0H 53M A | 19 | 0 | 19 | 923  | 1882 | 585 | 2467 | 4     | 0 | 0 |
| Z NBYWSP9 06U | LPKC   | 0408 | 0350 | TDPS+ | E | C | 0H 50M A | 19 | 0 | 19 | 923  | 1882 | 585 | 2467 | 4     | 0 | 0 |
| Z NBYWSP9 06U | LPKC   | 0408 | 0231 | TAWO+ | E | C | 0H 54M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | LPKC   | 0408 | 0231 | TAPS+ | E | C | 0H 54M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | WELLSV | 0408 | 0224 | PSPS+ | E | I | 0H 42M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | OTTAKS | 0408 | 0210 | PSPS+ | E | I | 0H 43M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | RIDGET | 0408 | 0138 | TDPS+ | E | I | 0H 43M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | RIDGET | 0408 | 0137 | TAPS* | E | I | 0H 43M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |



|               |        |      |      |       |   |   |          |    |   |    |      |      |     |      |       |   |   |
|---------------|--------|------|------|-------|---|---|----------|----|---|----|------|------|-----|------|-------|---|---|
| Z NBYWSP9 06U | LEBO   | 0408 | 0131 | PSPS+ | E | I | 0H 42M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | EMPORI | 0408 | 0111 | TAPS* | E | I | 0H 42M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | EMPORI | 0408 | 0106 | TAPS+ | E | I | 0H 46M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | ELLINO | 0408 | 0054 | PSPS+ | E | I | 0H 45M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | CASSOD | 0408 | 0030 | PSPS+ | E | I | 0H 37M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | ELDOKS | 0407 | 2359 | PSPS+ | E | I | 0H 45M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | AUGUKS | 0407 | 2342 | PSPS+ | E | I | 0H 48M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | MULVAN | 0407 | 2320 | TDPS+ | E | I | 0H 47M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | MULVAN | 0407 | 2319 | TAPS* | E | I | 0H 47M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | MULVAN | 0407 | 2314 | PSPS+ | E | I | 0H 53M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | WELLS  | 0407 | 2257 | TDPS+ | E | C | 0H 53M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | WELLS  | 0407 | 2235 | TAPS+ | E | C | 1H 00M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | MILAN  | 0407 | 2222 | PSPS+ | E | I | 0H 54M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | HARPER | 0407 | 2203 | PSPS+ | E | I | 0H 51M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | CRISFI | 0407 | 2142 | PSPS+ | E | I | 0H 52M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | BRINK  | 0407 | 2117 | PSPS+ | E | I | 0H 50M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | WAYNOK | 0407 | 2059 | TDPS+ | E | I | 1H 03M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | WAYNOK | 0407 | 2058 | TAPS* | E | I | 1H 03M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | WAYNOK | 0407 | 2053 | PSPS+ | E | I | 1H 09M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | BELVA  | 0407 | 2040 | PSPS+ | E | I | 0H 57M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | CURTOK | 0407 | 2029 | PSPS+ | E | I | 0H 55M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | WOODOK | 0407 | 2020 | PSPS+ | E | I | 0H 52M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | FARGOK | 0407 | 1958 | PSPS+ | E | I | 0H 59M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | GAGEOK | 0407 | 1952 | TDPS* | E | I | 0H 48M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | GAGEOK | 0407 | 1952 | PSPS+ | E | I | 0H 48M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | GAGEOK | 0407 | 1951 | TAPS+ | E | I | 0H 48M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | SHATOK | 0407 | 1949 | PSPS+ | E | I | 0H 33M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | COBURN | 0407 | 1923 | PSPS+ | E | I | 0H 34M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | CANADI | 0407 | 1904 | PSPS+ | E | I | 0H 34M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | MIAMTX | 0407 | 1845 | PSPS+ | E | I | 0H 30M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | PAMPA  | 0407 | 1824 | PSPS+ | E | I | 0H 27M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | KINMIL | 0407 | 1819 | PSPS+ | E | I | 0H 24M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |



|               |        |      |      |       |   |   |          |    |   |    |      |      |     |      |       |   |   |
|---------------|--------|------|------|-------|---|---|----------|----|---|----|------|------|-----|------|-------|---|---|
| Z NBYWSP9 06U | PANHAN | 0407 | 1749 | PSPS+ | E | I | OH 32M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | STFRTX | 0407 | 1734 | PSPS+ | E | I | OH 30M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | AMASYD | 0407 | 1712 | TDPS+ | E | C | OH 38M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | AMASYD | 0407 | 1646 | TAPS+ | E | C | OH 34M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | HANEY  | 0407 | 1640 | TDPS* | E | I | OH 31M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | HANEY  | 0407 | 1639 | TAPS+ | E | I | OH 31M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | CANYTX | 0407 | 1628 | PSPS+ | E | I | OH 30M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | FRIONA | 0407 | 1528 | PSPS+ | E | I | OH 36M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | TEXICO | 0407 | 1503 | PSPS+ | E | I | OH 34M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | CLOVIS | 0407 | 1329 | TDPS+ | E | I | OH 56M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | CLOVIS | 0407 | 1323 | TAPS+ | E | I | OH 42M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | GALLAH | 0407 | 1320 | TDPS* | E | I | OH 38M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | GALLAH | 0407 | 1319 | TAPS+ | E | I | OH 38M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | MELRNM | 0407 | 1314 | TDPS* | E | I | OH 23M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | MELRNM | 0407 | 1303 | TAPS+ | E | I | OH 33M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | TOLANM | 0407 | 1249 | PSPS+ | E | I | OH 29M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | FTSUMN | 0407 | 1232 | PSPS+ | E | I | OH 26M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | EVANOL | 0407 | 1209 | PSPS+ | E | I | OH 28M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | LARGO  | 0407 | 1142 | PSPS+ | E | I | OH 38M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | VAUGNM | 0407 | 1104 | PSPS+ | E | I | OH 34M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | CARNER | 0407 | 1054 | PSPS+ | E | I | OH 33M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | PEDERN | 0407 | 1031 | PSPS+ | E | I | OH 37M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | LUCY   | 0407 | 1015 | PSPS+ | E | I | OH 38M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | MOUNNM | 0407 | 0949 | PSPS+ | E | I | OH 35M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | ABO    | 0407 | 0938 | TDPS+ | E | I | OH 43M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | ABO    | 0407 | 0937 | TAPS* | E | I | OH 43M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | ABO    | 0407 | 0934 | PSPS+ | E | I | OH 47M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | BECKNM | 0407 | 0911 | PSPS+ | E | I | OH 43M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | BELEN  | 0407 | 0852 | TDWO+ | E | C | OH 43M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | BELEN  | 0407 | 0852 | TDPS+ | E | C | OH 43M A | 43 | 0 | 43 | 2374 | 4200 | 585 | 4785 | 3.8 H | 2 | 0 |
| Z NBYWSP9 06U | BELEN  | 0407 | 0738 | TAWO+ | E | C | OH 12M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 H | 2 | 0 |
| Z NBYWSP9 06U | BELEN  | 0407 | 0738 | TAPS+ | E | C | OH 12M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 H | 2 | 0 |



|               |         |      |      |       |   |   |          |    |   |    |      |      |     |      |       |   |   |
|---------------|---------|------|------|-------|---|---|----------|----|---|----|------|------|-----|------|-------|---|---|
| Z NBYWSP9 06U | DALIES  | 0407 | 0713 | PSPS+ | E | I | OH 26M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 H | 2 | 0 |
| Z NBYWSP9 06U | SUWANE  | 0407 | 0652 | PSPS+ | E | I | OH 23M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 H | 2 | 0 |
| Z NBYWSP9 06U | LAGUNA  | 0407 | 0627 | PSPS+ | E | I | OH 23M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 H | 2 | 0 |
| Z NBYWSP9 06U | ACOMIT  | 0407 | 0622 | TDPS* | E | I | OH 23M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 H | 2 | 0 |
| Z NBYWSP9 06U | ACOMIT  | 0407 | 0621 | TAPS+ | E | I | OH 23M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 H | 2 | 0 |
| Z NBYWSP9 06U | GRANTS  | 0407 | 0559 | PSPS+ | E | I | OH 25M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 H | 2 | 0 |
| Z NBYWSP9 06U | PEGS    | 0407 | 0541 | PSPS+ | E | I | OH 18M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 H | 2 | 0 |
| Z NBYWSP9 06U | PEREA   | 0407 | 0513 | PSPS+ | E | I | OH 17M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 H | 2 | 0 |
| Z NBYWSP9 06U | GALLUP  | 0407 | 0447 | TDPS+ | E | I | OH 27M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 H | 2 | 0 |
| Z NBYWSP9 06U | GALLUP  | 0407 | 0439 | TAPS+ | E | I | OH 34M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 H | 2 | 0 |
| Z NBYWSP9 06U | DEFINIM | 0407 | 0431 | TDPS* | E | I | OH 34M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 H | 2 | 0 |
| Z NBYWSP9 06U | DEFINIM | 0407 | 0425 | TAPS+ | E | I | OH 39M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 H | 2 | 0 |
| Z NBYWSP9 06U | CORIAZ  | 0407 | 0343 | PSPS+ | E | I | OH 31M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 H | 2 | 0 |
| Z NBYWSP9 06U | ADAMAN  | 0407 | 0325 | PSPS+ | E | I | OH 30M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 H | 2 | 0 |
| Z NBYWSP9 06U | HOLBAZ  | 0407 | 0307 | TDPS* | E | I | OH 26M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 H | 2 | 0 |
| Z NBYWSP9 06U | HOLBAZ  | 0407 | 0306 | TAPS+ | E | I | OH 26M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 H | 2 | 0 |
| Z NBYWSP9 06U | HOLBAZ  | 0407 | 0303 | PSPS+ | E | I | OH 19M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 H | 2 | 0 |
| Z NBYWSP9 06U | WINSAZ  | 0407 | 0239 | TDPS+ | E | C | OH 16M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 H | 2 | 0 |
| Z NBYWSP9 06U | WINSAZ  | 0407 | 0220 | TAPS+ | E | C | OH 20M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | CANDIA  | 0407 | 0157 | TDPS* | E | I | OH 20M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | CANDIA  | 0407 | 0156 | TAPS* | E | I | OH 20M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | DARLAZ  | 0407 | 0136 | PSPS+ | E | I | OH 23M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | FLAGST  | 0407 | 0121 | TDPS+ | E | I | OH 22M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | FLAGST  | 0407 | 0120 | TAPS* | E | I | OH 22M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | FLAGST  | 0407 | 0118 | PSPS+ | E | I | OH 25M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | BELLEM  | 0407 | 0055 | PSPS+ | E | I | OH 32M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | WILIAZ  | 0407 | 0014 | TDPS+ | E | I | OH 54M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | WILIAZ  | 0407 | 0013 | TAPS+ | E | I | OH 54M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | PERRIN  | 0407 | 0003 | PSPS+ | E | I | OH 55M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | EAGNAZ  | 0406 | 2336 | PSPS+ | E | I | OH 58M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | SELIAZ  | 0406 | 2306 | TDPS* | E | I | 1H 04M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |



|               |        |      |      |       |   |   |          |    |   |    |      |      |     |      |       |   |   |
|---------------|--------|------|------|-------|---|---|----------|----|---|----|------|------|-----|------|-------|---|---|
| Z NBYWSP9 06U | SELIAZ | 0406 | 2306 | PSPS+ | E | I | 1H 04M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | SELIAZ | 0406 | 2305 | TAPS+ | E | I | 1H 04M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | PEASPR | 0406 | 2221 | PSPS+ | E | I | 1H 10M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | VALEAZ | 0406 | 2152 | PSPS+ | E | I | 1H 19M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | WALAPA | 0406 | 2138 | TDPS+ | E | I | 1H 13M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | WALAPA | 0406 | 2138 | PSPS+ | E | I | 1H 13M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | WALAPA | 0406 | 2137 | TAPS* | E | I | 1H 13M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | BERRY  | 0406 | 2127 | PSPS+ | E | I | 1H 12M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | GRIFAZ | 0406 | 2058 | PSPS+ | E | I | 1H 17M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | FRANCO | 0406 | 2028 | PSPS+ | E | I | 1H 15M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | NEEDCA | 0406 | 1859 | TDPS+ | E | C | 1H 11M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | NEEDCA | 0406 | 1834 | TAPS+ | E | C | 1H 16M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | JAVACA | 0406 | 1829 | TDPS* | E | I | 1H 14M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | JAVACA | 0406 | 1828 | TAPS+ | E | I | 1H 14M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | IBIS   | 0406 | 1821 | TDPS+ | E | I | 1H 14M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | IBIS   | 0406 | 1820 | TAPS* | E | I | 1H 14M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | GOFFS  | 0406 | 1757 | PSPS+ | E | I | 1H 19M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | CADIZ  | 0406 | 1716 | TDPS+ | E | I | 1H 19M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | CADIZ  | 0406 | 1715 | TAPS* | E | I | 1H 19M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | AMBOY  | 0406 | 1700 | PSPS+ | E | I | 1H 20M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | BAGDAD | 0406 | 1654 | TDPS+ | E | I | 1H 20M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | BAGDAD | 0406 | 1653 | TAPS* | E | I | 1H 20M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | SIBERI | 0406 | 1645 | PSPS+ | E | I | 1H 18M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | LUDLCA | 0406 | 1628 | TDPS* | E | I | 1H 25M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | LUDLCA | 0406 | 1615 | TAPS+ | E | I | 1H 37M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | PIGCA  | 0406 | 1610 | PSPS+ | E | I | 1H 23M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | NEWBER | 0406 | 1552 | PSPS+ | E | I | 1H 20M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | DAGGET | 0406 | 1539 | PSPS+ | E | I | 1H 20M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | BARSCA | 0406 | 1530 | TDPS+ | E | I | 1H 20M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | BARSCA | 0406 | 1519 | TAPS+ | E | I | 1H 16M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | HINKLE | 0406 | 1514 | PSPS+ | E | I | 0H 55M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |
| Z NBYWSP9 06U | JIMGRE | 0406 | 1458 | PSPS+ | E | I | 0H 44M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 H | 2 | 0 |



|               |        |      |      |       |   |   |          |    |   |    |      |      |     |      |     |   |   |   |
|---------------|--------|------|------|-------|---|---|----------|----|---|----|------|------|-----|------|-----|---|---|---|
| Z NBYWSP9 06U | BORON  | 0406 | 1448 | PSPS+ | E | I | OH 35M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 | H | 2 | 0 |
| Z NBYWSP9 06U | EDWACA | 0406 | 1436 | PSPS+ | E | I | OH 25M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 | H | 2 | 0 |
| Z NBYWSP9 06U | SANBOR | 0406 | 1424 | PSPS+ | E | I | OH 15M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 | H | 2 | 0 |
| Z NBYWSP9 06U | MOJAVE | 0406 | 1416 | TAPS* | E | I | OH 12M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 | H | 2 | 0 |
| Z NBYWSP9 06U | MOJAVE | 0406 | 1415 | TAPS+ | E | I | OH 12M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 | H | 2 | 0 |
| Z NBYWSP9 06U | TEHACH | 0406 | 1331 | TAPS+ | E | I | OH 23M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 | H | 2 | 0 |
| Z NBYWSP9 06U | TEHACH | 0406 | 1331 | PSPS+ | E | I | OH 23M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 | H | 2 | 0 |
| Z NBYWSP9 06U | TEHACH | 0406 | 1330 | TAPS* | E | I | OH 23M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 | H | 2 | 0 |
| Z NBYWSP9 06U | BEALVI | 0406 | 1218 | TAPS+ | E | I | OH 56M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 | H | 2 | 0 |
| Z NBYWSP9 06U | BEALVI | 0406 | 1217 | TAPS* | E | I | OH 56M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 | H | 2 | 0 |
| Z NBYWSP9 06U | KERJCT | 0406 | 1118 | TAPS+ | E | I | 1H 07M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 | H | 2 | 0 |
| Z NBYWSP9 06U | KERJCT | 0406 | 1117 | TAPS* | E | I | 1H 07M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 | H | 2 | 0 |
| Z NBYWSP9 06U | BAKERS | 0406 | 1115 | TAPS+ | E | C | 1H 05M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 4.8 | H | 2 | 0 |
| Z NBYWSP9 06U | BAKERS | 0406 | 1044 | TAPS+ | E | C | 1H 16M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 | H | 2 | 0 |
| Z NBYWSP9 06U | SHAFCA | 0406 | 1030 | PSPS+ | E | I | 1H 01M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 | H | 2 | 0 |
| Z NBYWSP9 06U | ELMO   | 0406 | 1016 | PSPS+ | E | I | 1H 00M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 | H | 2 | 0 |
| Z NBYWSP9 06U | CORCOR | 0406 | 0933 | PSPS+ | E | I | 1H 07M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 | H | 2 | 0 |
| Z NBYWSP9 06U | HANFOR | 0406 | 0917 | PSPS+ | E | I | 1H 03M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 | H | 2 | 0 |
| Z NBYWSP9 06U | CONEJO | 0406 | 0901 | PSPS+ | E | I | 1H 03M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 | H | 2 | 0 |
| Z NBYWSP9 06U | BOWLES | 0406 | 0859 | TAPS+ | E | I | OH 57M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 | H | 2 | 0 |
| Z NBYWSP9 06U | BOWLES | 0406 | 0858 | TAPS* | E | I | OH 57M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 | H | 2 | 0 |
| Z NBYWSP9 06U | BOWLES | 0406 | 0858 | PSPS+ | E | I | OH 58M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 | H | 2 | 0 |
| Z NBYWSP9 06U | FRESCA | 0406 | 0856 | TAPS+ | E | I | OH 49M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 | H | 2 | 0 |
| Z NBYWSP9 06U | FRESCA | 0406 | 0835 | TAPS+ | E | I | OH 50M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 | H | 2 | 0 |
| Z NBYWSP9 06U | KISMET | 0406 | 0812 | PSPS+ | E | I | OH 43M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 | H | 2 | 0 |
| Z NBYWSP9 06U | MERCED | 0406 | 0744 | PSPS+ | E | I | OH 36M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 | H | 2 | 0 |
| Z NBYWSP9 06U | FLUHR  | 0406 | 0729 | TAPS+ | E | I | OH 49M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 | H | 2 | 0 |
| Z NBYWSP9 06U | FLUHR  | 0406 | 0728 | TAPS* | E | I | OH 49M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 | H | 2 | 0 |
| Z NBYWSP9 06U | MODEMP | 0406 | 0706 | TAPS+ | E | I | OH 37M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 | H | 2 | 0 |
| Z NBYWSP9 06U | MODEMP | 0406 | 0705 | TAPS* | E | I | OH 37M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 | H | 2 | 0 |
| Z NBYWSP9 06U | MODEMP | 0406 | 0702 | PSPS+ | E | I | OH 41M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 | H | 2 | 0 |
| Z NBYWSP9 06U | RIVERB | 0406 | 0657 | PSPS+ | E | I | OH 38M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 | H | 2 | 0 |



|               |        |      |      |       |   |   |          |    |   |    |      |      |     |      |     |   |   |   |
|---------------|--------|------|------|-------|---|---|----------|----|---|----|------|------|-----|------|-----|---|---|---|
| Z NBYWSP9 06U | DUFFY  | 0406 | 0646 | TDPS+ | E | I | OH 33M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 | H | 2 | 0 |
| Z NBYWSP9 06U | DUFFY  | 0406 | 0645 | TAPS* | E | I | OH 33M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 | H | 2 | 0 |
| Z NBYWSP9 06U | DUFFY  | 0406 | 0645 | PSPS+ | E | I | OH 34M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 | H | 2 | 0 |
| Z NBYWSP9 06U | STOIMF | 0406 | 0638 | TDWO+ | E | I | OH 37M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 | H | 2 | 0 |
| Z NBYWSP9 06U | STOIMF | 0406 | 0638 | TDPS+ | E | I | OH 37M A | 47 | 0 | 47 | 2823 | 4548 | 585 | 5133 | 3.4 | H | 2 | 0 |
| Z NBYWSP9 06U | STOIMF | 0406 | 0555 | TAPS  | E | I | OH 20M A | 28 | 0 | 28 | 1701 | 2716 | 585 | 3301 | 6.9 |   | 0 | 0 |
| Z NBYWSP9 06U | STOIMF | 0406 | 0548 | TDPS+ | E | I | OH 16M A | 28 | 0 | 28 | 1701 | 2716 | 585 | 3301 | 6.9 |   | 0 | 0 |
| Z NBYWSP9 06U | STOIMF | 0406 | 0539 | TAPS+ | E | I | OH 24M A | 28 | 0 | 28 | 1701 | 2716 | 585 | 3301 | 6.9 |   | 0 | 0 |
| Z NBYWSP9 06U | HOLT   | 0406 | 0535 | PSPS+ | E | I | OH 15M A | 28 | 0 | 28 | 1701 | 2716 | 585 | 3301 | 6.9 |   | 0 | 0 |
| Z NBYWSP9 06U | BIXLER | 0406 | 0523 | PSPS+ | E | I | OH 11M A | 28 | 0 | 28 | 1701 | 2716 | 585 | 3301 | 6.9 |   | 0 | 0 |
| Z NBYWSP9 06U | PTCHIC | 0406 | 0458 | TDPS+ | E | I | OH 01M A | 28 | 0 | 28 | 1701 | 2716 | 585 | 3301 | 6.9 |   | 0 | 0 |
| Z NBYWSP9 06U | PTCHIC | 0406 | 0458 | PSPS+ | E | I | OH 01M A | 28 | 0 | 28 | 1701 | 2716 | 585 | 3301 | 9.9 |   | 0 | 0 |
| Z NBYWSP9 06U | PTCHIC | 0406 | 0457 | TAPS* | E | I | OH 01M A | 28 | 0 | 28 | 1701 | 2716 | 585 | 3301 | 9.9 |   | 0 | 0 |
| Z NBYWSP9 06U | NBAY   | 0406 | 0407 | TDPS+ | E | I | OH 23M A | 28 | 0 | 28 | 1701 | 2716 | 585 | 3301 | 9.9 |   | 0 | 0 |
| Z NBYWSP9 06U | NBAY   | 0406 | 0407 | TDWO  | E | I | OH 23M A | 28 | 0 | 28 | 1701 | 2716 | 585 | 3301 | 9.9 |   | 0 | 0 |
| Z NBYWSP9 06U | NBAY   | 0406 | 0406 | TAPS* | E | I | OH 16M L | 0  | 0 | 0  | 0    | 0    | 585 | 585  | 9.9 |   | 0 | 0 |
| Z NBYWSP9 06U | RICHCA | 0406 | 0248 | TDWO+ | E | O | OH 27M A | 0  | 0 | 0  | 0    | 0    | 585 | 585  | 9.9 |   | 0 | 0 |



Train ID

Reporting Location

Time Stamp

ZJEWSP000U

BELEN NM

04/07/2021 02:51

ZJEWSP000U

STOIMF CA

04/06/2021 07:34

ZJEWSP000U

BELEN NM

01/07/2021 04:21

ZJEWSP000U

STOIMF CA

01/06/2021 07:36

ZJEWSP000U

RICHMOND CA

01/06/2021 04:10

ZJEWSP000U

BELEN NM

10/07/2020 10:17

ZJEWSP000U

STOIMF CA

10/06/2020 07:54

ZJEWSP000U

RICHMOND CA

10/06/2020 04:45

ZJEWSP000U

BELEN NM

05/07/2020 09:28

ZJEWSP000U

STOIMF CA

05/06/2020 07:24



To Engineer :

Train ID: **Z-NBYWSP9-06-U** Number of Cars: **19**

Location: **STOIMF, CA** Date: **04/06/2021** Time: **07:34**

Place an X in the appropriate box or boxes

☐ Class I Brake test - initial terminal inspection (CFR 232.205)  
☐ Class IA Brake test - 1000 mile inspection (CFR 232.207)  
☒ Extended Haul Train - QMI brake test (CFR 232.213)  
☐ Technology Inspection (Waiver FRA 2016-2018)

Person(s) performing test (Include all employees who performed the test which must include first initial-last name or employee ID) Please notate if a non-BNSF employee.

**J ANDREOTTI**

DP Equipped and 90 CFM Waiver Reported \_\_\_\_\_

ETD Number: **BNQ / 91144**

ETD Tested ☒ ETD Tested by (first initial-last name): **J ANDREOTTI**

ETD Test Location - Date - Time : **STOIMF, CA - 04/06/2021 - 07:34**

**PLACE ON CONTROL STAND OF LEAD LOCOMOTIVE IN PLAIN VIEW**

Form 15287 Revised 10/20



To Engineer :

Train ID: Z-NBYWSP9-06-U Number of Cars:23

Location: BELEN, NM Date: 04/07/2021 Time: 02:51

Place an X in the appropriate box or boxes

- ☐ Class I Brake test - initial terminal inspection (CFR 232.205)  
☐ Class IA Brake test - 1000 mile inspection (CFR 232.207)  
☐ Extended Haul Train - QMI brake test (CFR 232.213)  
☒ Technology Inspection (Waiver FRA 2016-2018)

Person(s) performing test (Include all employees who performed the test which must include first initial-last name or employee ID) Please notate if a non-BNSF employee.

#### **COLD WHEEL DETECTOR**

**WAIVER FROM 49 C.F.R.& 232.213;232.15; and 232.103(f) EXTENDED HAUL  
TRAINS MOVEMENT OF DEFECTIVE EQUIPMENT GENERAL  
REQUIREMENTS FOR ALL TRAIN BRAKE SYSTEMS FRA-2016-0018**

DP Equipped and 90 CFM Waiver Reported \_\_\_\_\_

ETD Number: \_\_\_\_\_

ETD Tested \_\_\_\_\_ ETD Tested by (first initial-last name): \_\_\_\_\_

ETD Test Location - Date - Time : BELEN, NM - 04/07/2021 - 02:51

**PLACE ON CONTROL STAND OF LEAD LOCOMOTIVE IN PLAIN VIEW**

Form 15287 Revised 10/20