

DOTX 220 Geometry Car
United States Department of Transportation
AUTOMATED TRACK INSPECTION PROGRAM

TRACK GEOMETRY INSPECTION REPORT

Savannah, GA to Columbia, SC
Railroad: CSX TRANSPORTATION (CSXT)
Survey Number: 1710
Mile Post 493 to Mile Post 363



Prepared for:
United States Department of Transportation
Federal Railroad Administration
Office of Safety
Washington, D.C.

Prepared by:
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5400 Port Royal Rd
Springfield, VA 22151



Testing Cert. 2411.01

Approved By:

Survey Director:

MARTIN BROCK

Signature

Date

Under the U.S. Department of Transportation, Federal Railroad Administration (FRA), Office of Safety Assurance and Compliance, Automated Track Inspection Program and in accordance with 49 CFR 213 Federal Track Safety Standards, this Track Geometry Inspection Report provides a list of exceptions that relate only to the time and date the track was inspected and the required remedial action taken. This compliance report is offered only to the track owner and is not to be reproduced to others in whole or part without the expressed written consent of the FRA and the track owner. FRA requests any reprinting be labeled as a copy of the original.

NOTES

An Automated Track Inspection Program (ATIP) Track Geometry Inspection Report (TGIR) is generated for each ATIP survey. The TGIR summarizes the data collected and can be used in conjunction with the strip chart. The TGIR is generated electronically onboard the car and hard copies are distributed as follows:

1. One (1) copy is provided to onboard railroad representative, as requested
2. One (1) copy is provided to onboard FRA Inspector, as requested
3. One (1) copy is archived for FRA management

Following ATIP Compliance survey operations, electronic copies of TGIRs are distributed via email, to a list of recipients designated by FRA and railroad management.

The TGIR may consist of ten (10) parts;

1. Cover,
2. Notes,
3. Exception List,
4. Curve List,
5. Exception Summary,
6. Track Quality Index (TQI),
7. GRMS Exception List (if equipped),
8. Class+1 (C+1) Exception List,
9. C+1 Exception Summary,
10. Alignment MCO worksheet.

Track measurement sample frequency is once per foot.

Exceptions may not be reported for Alignment and Profile parameters when ATIP car speed is less than fifteen (15) and five (5) miles per hour, respectively.

Exception List symbols/notes:

* Federal Track Safety Standard Advisory

+ Maximum curve speed is limited at qualified cant deficiency. However, actual cant deficiency does not exceed 1-inch grace allowed under 49CFR 213.57(b).

Rail Impact Values are unit-less; indicating a location with a large vertical axle acceleration.

Rail Cant Exception denoted with (RSA) indicates possible Rail Seat Abrasion.

The following fields are not applicable for Limited Speed, Ride Quality [in classes 1-5], and Rail Cant:

Limited Class (LC); Posted Class (PC).

All Exception Parameter values are reported in inches, except for the following:

- Limiting Speed (Vmax) expressed in: MPH
- Ride Quality; Carbody Lateral, Carbody Vertical, Truck Lateral expressed in: g (gravitational acceleration)
- Rail Cant; Left (L) and Right (R), NEG[ative] and POS[itive] expressed in: angular degrees (°)

For Alignment exceptions: Negative (-) values indicate rail shifting to the right and Positive (+) values indicate rail shifting to the left, referencing direction of ATIP car travel during testing.

For Rail Cant exceptions: Negative (-) values indicate an outward shift in the rail angle, and Positive (+) values indicate an inward shift in the rail angle. Rail Cant exceptions have a minimum length of 15 feet.

A complete description of the information provided in the TGIR is available at

<https://www.fra.dot.gov/eLib/Details/L04545>

ATIP survey exceptions are available for review the next business day, and ATIP track measurement foot by foot data is available the following week at: https://tdms.ensco.com/tdms_lite

Exception Report
Exception List Section
Milepost 493 to Milepost 363
Savannah, GA to Columbia, SC

Page 1 of 6
Run Date: 12/07/2016
Run ID: 2016120701

| MP | FT | Seq# | Parameter | Value | Length | Speed | TSC | LC | PC | Track | Latitude | Longitude |
|-----|------|------|---------------|--------|--------|-------|-----|----|----|-------|-----------|------------|
| 0 | 159 | | State Line | GA | 0 | 5 | T | 0 | 0 | 7 | 32.068968 | -81.138479 |
| 0 | 160 | | Railroad | CSXT - | 0 | 5 | T | 0 | 0 | 7 | 32.068970 | -81.138481 |
| 0 | 161 | | Subdivision | SAVANN | 0 | 5 | T | 0 | 0 | 7 | 32.068973 | -81.138482 |
| 493 | 220 | | Down Milepost | 493.00 | 0 | 7 | T | 0 | 0 | 7 | 32.069110 | -81.138583 |
| 493 | 4753 | | Track Change | 0.00 | 0 | 7 | T | 0 | 0 | 1 | 32.069110 | -81.138583 |
| 493 | 4753 | | Posted Speed | 50.00 | 0 | 7 | T | 0 | 0 | 1 | 32.069110 | -81.138583 |
| 492 | 5408 | | Down Milepost | 492.00 | 0 | 10 | T | 0 | 0 | 1 | 32.070636 | -81.139696 |
| 491 | 5333 | | Down Milepost | 491.00 | 0 | 31 | T | 0 | 0 | 1 | 32.083070 | -81.148726 |
| 491 | 2689 | | Subdivision | COLUM | 0 | 9 | T | 0 | 0 | 1 | 32.089336 | -81.153278 |
| 491 | 2836 | | Class Change | 1.00 | 0 | 7 | B | 0 | 0 | 1 | 32.089679 | -81.153529 |
| 491 | 2836 | | Posted Speed | 10.00 | 0 | 7 | B | 0 | 0 | 1 | 32.089679 | -81.153529 |
| 491 | 2912 | | Track Change | 0.00 | 0 | 6 | E | 0 | 0 | 7 | 32.089853 | -81.153665 |
| 491 | 3529 | | Track Change | 0.00 | 0 | 4 | T | 0 | 0 | 5 | 32.090993 | -81.155125 |
| 491 | 3621 | | Class Change | 2.00 | 0 | 9 | T | 0 | 0 | 5 | 32.091141 | -81.155364 |
| 491 | 3621 | | Posted Speed | 25.00 | 0 | 9 | T | 0 | 0 | 5 | 32.091141 | -81.155364 |
| 497 | 4635 | | Down Milepost | 497.00 | 0 | 13 | C | 0 | 0 | 5 | 32.092892 | -81.157889 |
| 497 | 586 | | Class Change | 4.00 | 0 | 14 | T | 0 | 0 | 5 | 32.094282 | -81.158826 |
| 497 | 586 | | Posted Speed | 79.00 | 0 | 14 | T | 0 | 0 | 5 | 32.094282 | -81.158826 |
| 496 | 5276 | | Down Milepost | 496.00 | 0 | 14 | T | 0 | 0 | 5 | 32.105740 | -81.165667 |
| 495 | 5291 | | Down Milepost | 495.00 | 0 | 14 | T | 0 | 0 | 5 | 32.118660 | -81.173385 |
| 494 | 5326 | | Down Milepost | 494.00 | 0 | 13 | T | 0 | 0 | 5 | 32.131682 | -81.181166 |
| 493 | 5227 | | Down Milepost | 493.00 | 0 | 44 | T | 0 | 0 | 5 | 32.144455 | -81.188796 |
| 493 | 2373 | | Class Change | 2.00 | 0 | 25 | T | 0 | 0 | 5 | 32.150242 | -81.192257 |
| 493 | 2373 | | Posted Speed | 25.00 | 0 | 25 | T | 0 | 0 | 5 | 32.150242 | -81.192257 |
| 493 | 2780 | | Class Change | 4.00 | 0 | 25 | T | 0 | 0 | 5 | 32.151236 | -81.192852 |
| 493 | 2780 | | Posted Speed | 79.00 | 0 | 25 | T | 0 | 0 | 5 | 32.151236 | -81.192852 |
| 492 | 5295 | | Down Milepost | 492.00 | 0 | 44 | T | 0 | 0 | 5 | 32.157393 | -81.196530 |
| 491 | 5256 | | Down Milepost | 491.00 | 0 | 47 | T | 0 | 0 | 5 | 32.170224 | -81.204200 |
| 491 | 3583 | | Class Change | 2.00 | 0 | 23 | T | 0 | 0 | 5 | 32.178971 | -81.209438 |
| 491 | 3583 | | Posted Speed | 25.00 | 0 | 23 | T | 0 | 0 | 5 | 32.178971 | -81.209438 |
| 491 | 4098 | | Class Change | 4.00 | 0 | 23 | T | 0 | 0 | 5 | 32.180233 | -81.210188 |
| 491 | 4098 | | Posted Speed | 79.00 | 0 | 23 | T | 0 | 0 | 5 | 32.180233 | -81.210188 |
| 490 | 5348 | | Down Milepost | 490.00 | 0 | 34 | T | 0 | 0 | 5 | 32.183293 | -81.212019 |
| 489 | 5280 | | Down Milepost | 489.00 | 0 | 48 | B | 0 | 0 | 5 | 32.196184 | -81.219734 |
| 488 | 5295 | | Down Milepost | 488.00 | 0 | 49 | T | 0 | 0 | 5 | 32.210290 | -81.223269 |
| 487 | 5279 | | Down Milepost | 487.00 | 0 | 49 | T | 0 | 0 | 5 | 32.224633 | -81.225589 |
| 486 | 5195 | | Down Milepost | 486.00 | 0 | 49 | T | 0 | 0 | 5 | 32.238740 | -81.227859 |
| 485 | 5413 | | Down Milepost | 485.00 | 0 | 49 | T | 0 | 0 | 5 | 32.253442 | -81.230247 |
| 484 | 5298 | | Down Milepost | 484.00 | 0 | 47 | T | 0 | 0 | 5 | 32.267832 | -81.232578 |

Exception Report
Exception List Section
Milepost 493 to Milepost 363
Savannah, GA to Columbia, SC

Page 2 of 6
Run Date: 12/07/2016
Run ID: 2016120701

| MP | FT | Seq# | Parameter | Value | Length | Speed | TSC | LC | PC | Track | Latitude | Longitude |
|-----|-------|------|---------------|--------|--------|-------|-----|----|----|-------|-----------|------------|
| 483 | 5317 | | Down Milepost | 483.00 | 0 | 49 | T | 0 | 0 | 5 | 32.282273 | -81.234916 |
| 482 | 5253 | | Down Milepost | 482.00 | 0 | 50 | T | 0 | 0 | 5 | 32.296538 | -81.237228 |
| 482 | 4440 | | Posted Speed | 70.00 | 0 | 39 | T | 0 | 0 | 5 | 32.308591 | -81.239174 |
| 481 | 5300 | | Down Milepost | 481.00 | 0 | 39 | T | 0 | 0 | 5 | 32.310928 | -81.239556 |
| 481 | 2296 | | Posted Speed | 79.00 | 0 | 45 | T | 0 | 0 | 5 | 32.317160 | -81.240573 |
| 480 | 4203 | | Down Milepost | 480.00 | 0 | 49 | T | 0 | 0 | 5 | 32.325403 | -81.241905 |
| 479 | 5255 | | Down Milepost | 479.00 | 0 | 49 | T | 0 | 0 | 5 | 32.339675 | -81.244216 |
| 478 | 5254 | | Down Milepost | 478.00 | 0 | 47 | T | 0 | 0 | 5 | 32.353935 | -81.246518 |
| 477 | 5327 | | Down Milepost | 477.00 | 0 | 50 | T | 0 | 0 | 5 | 32.368393 | -81.248856 |
| 476 | 5297 | | Down Milepost | 476.00 | 0 | 49 | T | 0 | 0 | 5 | 32.382775 | -81.251177 |
| 475 | 5255 | | Down Milepost | 475.00 | 0 | 49 | T | 0 | 0 | 5 | 32.397045 | -81.253485 |
| 474 | 5337 | | Down Milepost | 474.00 | 0 | 49 | T | 0 | 0 | 5 | 32.411540 | -81.255821 |
| 472 | 10569 | | Down Milepost | 472.00 | 0 | 49 | T | 0 | 0 | 5 | 32.440241 | -81.260453 |
| 471 | 5303 | | Down Milepost | 471.00 | 0 | 49 | T | 0 | 0 | 5 | 32.454642 | -81.262776 |
| 470 | 5297 | | Down Milepost | 470.00 | 0 | 49 | T | 0 | 0 | 5 | 32.469046 | -81.265085 |
| 469 | 5290 | | Down Milepost | 469.00 | 0 | 49 | T | 0 | 0 | 5 | 32.483393 | -81.267409 |
| 468 | 5297 | | Down Milepost | 468.00 | 0 | 49 | T | 0 | 0 | 5 | 32.497781 | -81.269732 |
| 467 | 5291 | | Down Milepost | 467.00 | 0 | 48 | C | 0 | 0 | 5 | 32.512108 | -81.269873 |
| 467 | 4479 | | Class Change | 2.00 | 0 | 23 | T | 0 | 0 | 5 | 32.523223 | -81.263732 |
| 467 | 4479 | | Posted Speed | 25.00 | 0 | 23 | T | 0 | 0 | 5 | 32.523223 | -81.263732 |
| 467 | 5777 | | Class Change | 4.00 | 0 | 23 | T | 0 | 0 | 5 | 32.526436 | -81.261933 |
| 467 | 5777 | | Posted Speed | 45.00 | 0 | 23 | T | 0 | 0 | 5 | 32.526436 | -81.261933 |
| 467 | 6429 | 28 | GWP Maint* | 0.94 | 11 | 31 | T | 4 | 4 | 5 | 32.528050 | -81.261030 |
| 467 | 6504 | 29 | GWP Maint* | 0.75 | 3 | 32 | T | 4 | 4 | 5 | 32.528234 | -81.260927 |
| 467 | 8617 | 30 | GWP Maint* | 0.80 | 4 | 44 | T | 4 | 4 | 5 | 32.533470 | -81.257996 |
| 467 | 9412 | | Posted Speed | 79.00 | 0 | 45 | T | 0 | 0 | 5 | 32.535444 | -81.256892 |
| 465 | 10610 | | Down Milepost | 465.00 | 0 | 47 | B | 0 | 0 | 5 | 32.538413 | -81.255233 |
| 463 | 10574 | | Down Milepost | 462.00 | 0 | 49 | T | 0 | 0 | 5 | 32.567000 | -81.250168 |
| 463 | 5227 | 33 | PLG24 Maint* | 58.18 | 3 | 48 | T | 4 | 4 | 5 | 32.581209 | -81.248139 |
| 463 | 5283 | | Down Milepost | 462.00 | 0 | 49 | T | 0 | 0 | 5 | 32.581370 | -81.248116 |
| 461 | 5298 | | Down Milepost | 461.00 | 0 | 46 | T | 0 | 0 | 5 | 32.595790 | -81.246056 |
| 460 | 5270 | | Down Milepost | 460.00 | 0 | 49 | T | 0 | 0 | 5 | 32.610197 | -81.244975 |
| 459 | 5300 | | Down Milepost | 459.00 | 0 | 49 | T | 0 | 0 | 5 | 32.624730 | -81.244633 |
| 459 | 1035 | | State Line | SC | 0 | 49 | T | 0 | 0 | 5 | 32.627566 | -81.244564 |
| 458 | 5564 | | Down Milepost | 458.00 | 0 | 49 | T | 0 | 0 | 5 | 32.639980 | -81.244271 |
| 457 | 5023 | | Down Milepost | 457.00 | 0 | 48 | T | 0 | 0 | 5 | 32.653745 | -81.243944 |
| 456 | 5292 | | Down Milepost | 456.00 | 0 | 48 | T | 0 | 0 | 5 | 32.668246 | -81.243602 |
| 455 | 5301 | | Down Milepost | 455.00 | 0 | 49 | T | 0 | 0 | 5 | 32.682774 | -81.243263 |
| 455 | 3360 | 36 | PLG24 Maint* | 58.28 | 5 | 48 | T | 4 | 4 | 5 | 32.691969 | -81.243042 |

Exception Report
 Exception List Section
 Milepost 493 to Milepost 363
 Savannah, GA to Columbia, SC

Page 3 of 6
 Run Date: 12/07/2016
 Run ID: 2016120701

| MP | FT | Seq# | Parameter | Value | Length | Speed | TSC | LC | PC | Track | Latitude | Longitude |
|-----|-------|------|---------------|--------|--------|-------|-----|----|----|-------|-----------|------------|
| 454 | 5296 | | Down Milepost | 454.00 | 0 | 49 | T | 0 | 0 | 5 | 32.697272 | -81.242915 |
| 453 | 5353 | | Down Milepost | 453.00 | 0 | 49 | T | 0 | 0 | 5 | 32.711947 | -81.242577 |
| 452 | 5207 | | Down Milepost | 452.00 | 0 | 48 | T | 0 | 0 | 5 | 32.726221 | -81.242236 |
| 448 | 21277 | | Down Milepost | 448.00 | 0 | 50 | T | 0 | 0 | 5 | 32.784517 | -81.240863 |
| 447 | 5193 | | Down Milepost | 447.00 | 0 | 50 | T | 0 | 0 | 5 | 32.798749 | -81.240505 |
| 446 | 5290 | | Down Milepost | 446.00 | 0 | 46 | T | 0 | 0 | 5 | 32.813247 | -81.240147 |
| 445 | 5320 | | Down Milepost | 445.00 | 0 | 49 | T | 0 | 0 | 5 | 32.827828 | -81.239788 |
| 444 | 5281 | | Down Milepost | 444.00 | 0 | 49 | T | 0 | 0 | 5 | 32.842300 | -81.239433 |
| 443 | 5290 | | Down Milepost | 443.00 | 0 | 49 | T | 0 | 0 | 5 | 32.856798 | -81.239081 |
| 442 | 5300 | | Down Milepost | 442.00 | 0 | 46 | T | 0 | 0 | 5 | 32.871324 | -81.238746 |
| 441 | 4603 | | Down Milepost | 441.00 | 0 | 51 | T | 0 | 0 | 5 | 32.883929 | -81.238451 |
| 440 | 5994 | | Down Milepost | 440.00 | 0 | 47 | T | 0 | 0 | 5 | 32.900354 | -81.238086 |
| 439 | 5225 | | Down Milepost | 439.00 | 0 | 49 | T | 0 | 0 | 5 | 32.914672 | -81.237770 |
| 438 | 5351 | | Down Milepost | 438.00 | 0 | 48 | T | 0 | 0 | 5 | 32.929336 | -81.237455 |
| 437 | 5294 | | Down Milepost | 437.00 | 0 | 45 | T | 0 | 0 | 5 | 32.943836 | -81.237154 |
| 437 | 2113 | | Class Change | 3.00 | 0 | 32 | T | 0 | 0 | 5 | 32.949626 | -81.237027 |
| 437 | 2113 | | Posted Speed | 35.00 | 0 | 32 | T | 0 | 0 | 5 | 32.949626 | -81.237027 |
| 436 | 5298 | | Down Milepost | 436.00 | 0 | 35 | T | 0 | 0 | 5 | 32.958359 | -81.236843 |
| 436 | 1049 | | Class Change | 4.00 | 0 | 35 | T | 0 | 0 | 5 | 32.961235 | -81.236782 |
| 436 | 1049 | | Posted Speed | 79.00 | 0 | 35 | T | 0 | 0 | 5 | 32.961235 | -81.236782 |
| 435 | 5278 | | Down Milepost | 435.00 | 0 | 46 | B | 0 | 0 | 5 | 32.972826 | -81.236532 |
| 434 | 5283 | | Down Milepost | 434.00 | 0 | 48 | T | 0 | 0 | 5 | 32.987071 | -81.233488 |
| 433 | 5297 | | Down Milepost | 433.00 | 0 | 48 | T | 0 | 0 | 5 | 33.001330 | -81.230220 |
| 432 | 5281 | | Down Milepost | 432.00 | 0 | 50 | T | 0 | 0 | 5 | 33.015543 | -81.226959 |
| 430 | 10595 | | Down Milepost | 430.00 | 0 | 49 | T | 0 | 0 | 5 | 33.044051 | -81.220416 |
| 429 | 5306 | | Down Milepost | 429.00 | 0 | 46 | T | 0 | 0 | 5 | 33.058331 | -81.217134 |
| 428 | 5278 | | Down Milepost | 428.00 | 0 | 49 | T | 0 | 0 | 5 | 33.072534 | -81.213865 |
| 427 | 5300 | | Down Milepost | 427.00 | 0 | 49 | T | 0 | 0 | 5 | 33.086801 | -81.210592 |
| 426 | 5297 | | Down Milepost | 426.00 | 0 | 50 | T | 0 | 0 | 5 | 33.101055 | -81.207310 |
| 425 | 5296 | | Down Milepost | 425.00 | 0 | 49 | T | 0 | 0 | 5 | 33.115299 | -81.204011 |
| 424 | 5230 | | Down Milepost | 424.00 | 0 | 47 | T | 0 | 0 | 5 | 33.129384 | -81.200756 |
| 423 | 5353 | | Down Milepost | 423.00 | 0 | 37 | T | 0 | 0 | 5 | 33.143792 | -81.197421 |
| 422 | 5325 | | Down Milepost | 422.00 | 0 | 12 | T | 0 | 0 | 5 | 33.157869 | -81.192931 |
| 421 | 5301 | | Down Milepost | 421.00 | 0 | 14 | T | 0 | 0 | 5 | 33.171853 | -81.188238 |
| 420 | 5866 | | Down Milepost | 420.00 | 0 | 17 | T | 0 | 0 | 5 | 33.187319 | -81.183033 |
| 419 | 4710 | | Down Milepost | 419.00 | 0 | 47 | T | 0 | 0 | 5 | 33.199727 | -81.178867 |
| 418 | 5281 | | Down Milepost | 418.00 | 0 | 47 | T | 0 | 0 | 5 | 33.213810 | -81.175103 |
| 418 | 4935 | | Posted Speed | 75.00 | 0 | 47 | T | 0 | 0 | 5 | 33.227330 | -81.175300 |
| 417 | 5294 | | Down Milepost | 417.00 | 0 | 49 | B | 0 | 0 | 5 | 33.228317 | -81.175305 |

Exception Report
 Exception List Section
 Milepost 493 to Milepost 363
 Savannah, GA to Columbia, SC

Page 4 of 6
 Run Date: 12/07/2016
 Run ID: 2016120701

| MP | FT | Seq# | Parameter | Value | Length | Speed | TSC | LC | PC | Track | Latitude | Longitude |
|-----|-------|------|---------------|--------|--------|-------|-----|----|----|-------|-----------|------------|
| 417 | 1931 | | Posted Speed | 79.00 | 0 | 51 | T | 0 | 0 | 5 | 33.233336 | -81.173576 |
| 416 | 5289 | | Down Milepost | 416.00 | 0 | 50 | T | 0 | 0 | 5 | 33.241587 | -81.168715 |
| 415 | 5318 | | Down Milepost | 415.00 | 0 | 45 | T | 0 | 0 | 5 | 33.254647 | -81.161030 |
| 414 | 5369 | | Down Milepost | 414.00 | 0 | 47 | T | 0 | 0 | 5 | 33.268637 | -81.155718 |
| 413 | 5191 | | Down Milepost | 413.00 | 0 | 47 | T | 0 | 0 | 5 | 33.282327 | -81.151120 |
| 412 | 5329 | | Down Milepost | 412.00 | 0 | 47 | T | 0 | 0 | 5 | 33.296545 | -81.147338 |
| 411 | 5281 | | Down Milepost | 411.00 | 0 | 48 | T | 0 | 0 | 5 | 33.310925 | -81.145425 |
| 410 | 5284 | | Down Milepost | 410.00 | 0 | 42 | T | 0 | 0 | 5 | 33.325320 | -81.143496 |
| 409 | 5322 | | Down Milepost | 409.00 | 0 | 48 | T | 0 | 0 | 5 | 33.339815 | -81.141562 |
| 408 | 5241 | | Down Milepost | 408.00 | 0 | 50 | T | 0 | 0 | 5 | 33.354088 | -81.139655 |
| 407 | 5303 | | Down Milepost | 407.00 | 0 | 49 | T | 0 | 0 | 5 | 33.368532 | -81.137726 |
| 407 | 1416 | 58 | PLG24 Maint* | 58.59 | 7 | 48 | T | 4 | 4 | 5 | 33.372381 | -81.137214 |
| 407 | 4042 | 59 | PLG24 Maint* | 58.19 | 3 | 49 | T | 4 | 4 | 5 | 33.379536 | -81.136261 |
| 406 | 5293 | | Down Milepost | 406.00 | 0 | 48 | T | 0 | 0 | 5 | 33.382948 | -81.135800 |
| 406 | 5003 | 60 | GWP Maint* | 0.83 | 4 | 48 | T | 4 | 4 | 5 | 33.396562 | -81.133969 |
| 405 | 5296 | | Down Milepost | 405.00 | 0 | 48 | T | 0 | 0 | 5 | 33.397368 | -81.133867 |
| 405 | 315 | 61 | GWP Maint* | 0.83 | 4 | 47 | T | 4 | 4 | 5 | 33.398220 | -81.133754 |
| 404 | 5294 | | Down Milepost | 404.00 | 0 | 49 | T | 0 | 0 | 5 | 33.411792 | -81.131938 |
| 403 | 3307 | | Down Milepost | 403.00 | 0 | 48 | T | 0 | 0 | 5 | 33.420801 | -81.130720 |
| 400 | 17894 | | Down Milepost | 400.00 | 0 | 46 | T | 0 | 0 | 5 | 33.469548 | -81.124171 |
| 399 | 5199 | | Down Milepost | 399.00 | 0 | 43 | T | 0 | 0 | 5 | 33.483714 | -81.122264 |
| 399 | 3006 | | Posted Speed | 75.00 | 0 | 40 | T | 0 | 0 | 5 | 33.491901 | -81.121157 |
| 398 | 5362 | | Down Milepost | 398.00 | 0 | 38 | T | 0 | 0 | 5 | 33.498174 | -81.119385 |
| 398 | 760 | | Class Change | 3.00 | 0 | 37 | T | 0 | 0 | 5 | 33.500179 | -81.118700 |
| 398 | 760 | | Posted Speed | 60.00 | 0 | 37 | T | 0 | 0 | 5 | 33.500179 | -81.118700 |
| 397 | 5267 | | Down Milepost | 397.00 | 0 | 37 | E | 0 | 0 | 5 | 33.512418 | -81.119076 |
| 397 | 1565 | | Posted Speed | 50.00 | 0 | 34 | T | 0 | 0 | 5 | 33.516638 | -81.118180 |
| 397 | 3319 | | Posted Speed | 60.00 | 0 | 39 | T | 0 | 0 | 5 | 33.521223 | -81.118873 |
| 396 | 5299 | | Down Milepost | 396.00 | 0 | 28 | B | 0 | 0 | 5 | 33.525819 | -81.122324 |
| 396 | 4834 | | Posted Speed | 50.00 | 0 | 24 | T | 0 | 0 | 5 | 33.538276 | -81.127645 |
| 395 | 5273 | | Down Milepost | 395.00 | 0 | 24 | B | 0 | 0 | 5 | 33.539435 | -81.128078 |
| 395 | 1320 | | Class Change | 4.00 | 0 | 20 | E | 0 | 0 | 5 | 33.542770 | -81.126960 |
| 395 | 1320 | | Posted Speed | 55.00 | 0 | 20 | E | 0 | 0 | 5 | 33.542770 | -81.126960 |
| 394 | 5328 | | Down Milepost | 394.00 | 0 | 39 | E | 0 | 0 | 5 | 33.551676 | -81.119611 |
| 393 | 5253 | | Down Milepost | 393.00 | 0 | 39 | B | 0 | 0 | 5 | 33.566050 | -81.118652 |
| 393 | 2511 | | Class Change | 3.00 | 0 | 39 | T | 0 | 0 | 5 | 33.571562 | -81.114176 |
| 393 | 2511 | | Posted Speed | 60.00 | 0 | 39 | T | 0 | 0 | 5 | 33.571562 | -81.114176 |
| 392 | 5275 | | Down Milepost | 392.00 | 0 | 39 | T | 0 | 0 | 5 | 33.577686 | -81.109117 |
| 391 | 5282 | | Down Milepost | 391.00 | 0 | 38 | T | 0 | 0 | 5 | 33.591747 | -81.105507 |

Exception Report
 Exception List Section
 Milepost 493 to Milepost 363
 Savannah, GA to Columbia, SC

Page 5 of 6
 Run Date: 12/07/2016
 Run ID: 2016120701

| MP | FT | Seq# | Parameter | Value | Length | Speed | TSC | LC | PC | Track | Latitude | Longitude |
|-----|-------|------|--------------------|--------|--------|-------|-----|----|----|-------|-----------|------------|
| 391 | 1086 | 77 | PLG24 Maint* | 58.18 | 6 | 35 | T | 3 | 3 | 5 | 33.594698 | -81.105190 |
| 391 | 3730 | 78 | GWP Maint* | 0.80 | 3 | 38 | T | 3 | 3 | 5 | 33.601919 | -81.104455 |
| 390 | 5313 | | Down Milepost | 390.00 | 0 | 37 | T | 0 | 0 | 5 | 33.606250 | -81.104014 |
| 389 | 5285 | | Down Milepost | 389.00 | 0 | 37 | T | 0 | 0 | 5 | 33.620689 | -81.102550 |
| 388 | 5307 | | Down Milepost | 388.00 | 0 | 39 | T | 0 | 0 | 5 | 33.635183 | -81.101067 |
| 387 | 5285 | | Down Milepost | 387.00 | 0 | 38 | T | 0 | 0 | 5 | 33.649408 | -81.101441 |
| 386 | 5291 | | Down Milepost | 386.00 | 0 | 36 | T | 0 | 0 | 5 | 33.662601 | -81.108657 |
| 385 | 5296 | | Down Milepost | 385.00 | 0 | 39 | T | 0 | 0 | 5 | 33.675988 | -81.115195 |
| 385 | 3822 | 85 | Lmt Speed 4 | 59.00 | 1414 | 41 | C | | 3 | 5 | 33.686401 | -81.116386 |
| 384 | 5293 | | Down Milepost | 384.00 | 0 | 41 | T | 0 | 0 | 5 | 33.690141 | -81.114632 |
| 384 | 5270 | | Posted Speed | 50.00 | 0 | 34 | T | 0 | 0 | 5 | 33.703222 | -81.107303 |
| 383 | 5291 | | Down Milepost | 383.00 | 0 | 34 | T | 0 | 0 | 5 | 33.703278 | -81.107273 |
| 383 | 4776 | 90 | Lmt Speed 4 | 49.00 | 1164 | 39 | C | | 3 | 5 | 33.713952 | -81.099450 |
| 382 | 5268 | | Down Milepost | 382.00 | 0 | 39 | E | 0 | 0 | 5 | 33.715275 | -81.099712 |
| 382 | 4412 | 92 | Lmt Speed 4 | 46.00 | 735 | 39 | C | | 3 | 5 | 33.726729 | -81.104103 |
| 381 | 5323 | | Down Milepost | 381.00 | 0 | 37 | T | 0 | 0 | 5 | 33.729133 | -81.104910 |
| 380 | 5274 | | Down Milepost | 380.00 | 0 | 38 | T | 0 | 0 | 5 | 33.743226 | -81.103753 |
| 380 | 738 | | Posted Speed | 60.00 | 0 | 37 | T | 0 | 0 | 5 | 33.745146 | -81.104511 |
| 379 | 5196 | | Down Milepost | 379.00 | 0 | 48 | E | 0 | 0 | 5 | 33.756918 | -81.107123 |
| 379 | 423 | | Class Change | 4.00 | 0 | 48 | T | 0 | 0 | 5 | 33.758069 | -81.107068 |
| 379 | 423 | | Posted Speed | 79.00 | 0 | 48 | T | 0 | 0 | 5 | 33.758069 | -81.107068 |
| 378 | 5374 | | Down Milepost | 378.00 | 0 | 46 | T | 0 | 0 | 5 | 33.771638 | -81.106292 |
| 377 | 5294 | | Down Milepost | 377.00 | 0 | 46 | T | 0 | 0 | 5 | 33.786142 | -81.105470 |
| 376 | 5313 | | Down Milepost | 376.00 | 0 | 42 | T | 0 | 0 | 5 | 33.800695 | -81.104635 |
| 375 | 5530 | | Down Milepost | 375.00 | 0 | 42 | C | 0 | 0 | 5 | 33.815832 | -81.103689 |
| 374 | 4972 | | Down Milepost | 374.00 | 0 | 43 | T | 0 | 0 | 5 | 33.829141 | -81.100161 |
| 373 | 5331 | | Down Milepost | 373.00 | 0 | 44 | T | 0 | 0 | 5 | 33.843317 | -81.095948 |
| 373 | 1766 | | Class Change | 3.00 | 0 | 38 | T | 0 | 0 | 5 | 33.847917 | -81.094144 |
| 373 | 1766 | | Posted Speed | 45.00 | 0 | 38 | T | 0 | 0 | 5 | 33.847917 | -81.094144 |
| 372 | 5185 | | Down Milepost | 372.00 | 0 | 39 | C | 0 | 0 | 5 | 33.856605 | -81.096801 |
| 372 | 9192 | | Posted Speed | 40.00 | 0 | 35 | E | 0 | 0 | 5 | 33.870864 | -81.077781 |
| 370 | 10711 | | Down Milepost | 370.00 | 0 | 34 | C | 0 | 0 | 5 | 33.873955 | -81.074649 |
| 370 | 1502 | | Posted Speed | 45.00 | 0 | 33 | E | 0 | 0 | 5 | 33.877184 | -81.077060 |
| 369 | 5267 | | Down Milepost | 369.00 | 0 | 31 | C | 0 | 0 | 5 | 33.885648 | -81.082819 |
| 369 | 451 | | Posted Speed | 60.00 | 0 | 30 | E | 0 | 0 | 5 | 33.886819 | -81.082339 |
| 368 | 5271 | | Down Milepost | 368.00 | 0 | 26 | T | 0 | 0 | 5 | 33.899187 | -81.076890 |
| 367 | 5308 | | Down Milepost | 367.00 | 0 | 21 | T | 0 | 0 | 5 | 33.910135 | -81.066217 |
| 367 | 2404 | | Class Change | 1.00 | 0 | 10 | B | 0 | 0 | 5 | 33.915669 | -81.061927 |
| 367 | 2404 | | Posted Speed | 15.00 | 0 | 10 | B | 0 | 0 | 5 | 33.915669 | -81.061927 |

Exception Report
 Exception List Section
 Milepost 493 to Milepost 363
 Savannah, GA to Columbia, SC

Page 6 of 6
 Run Date: 12/07/2016
 Run ID: 2016120701

| MP | FT | Seq# | Parameter | Value | Length | Speed | TSC | LC | PC | Track | Latitude | Longitude |
|-----|------|------|----------------------------|--------|--------|-------|-----|----|----|-------|-----------|------------|
| 367 | 2499 | | Track Change | 0.00 | 0 | 10 | C | 0 | 0 | 6 | 33.915893 | -81.061766 |
| 367 | 2553 | | Class Change | 2.00 | 0 | 10 | E | 0 | 0 | 6 | 33.916005 | -81.061680 |
| 367 | 2553 | | Posted Speed | 25.00 | 0 | 10 | E | 0 | 0 | 6 | 33.916005 | -81.061680 |
| 366 | 5292 | | Down Milepost | 366.00 | 0 | 12 | T | 0 | 0 | 6 | 33.922796 | -81.057993 |
| 366 | 527 | | Class Change | 1.00 | 0 | 13 | E | 0 | 0 | 6 | 33.924203 | -81.057589 |
| 366 | 527 | | Posted Speed | 15.00 | 0 | 13 | E | 0 | 0 | 6 | 33.924203 | -81.057589 |
| 366 | 704 | | Track Change | 0.00 | 0 | 14 | E | 0 | 0 | 5 | 33.924663 | -81.057432 |
| 366 | 803 | | Class Change | 3.00 | 0 | 15 | T | 0 | 0 | 5 | 33.924925 | -81.057362 |
| 366 | 803 | | Posted Speed | 60.00 | 0 | 15 | T | 0 | 0 | 5 | 33.924925 | -81.057362 |
| 365 | 5291 | | Down Milepost | 365.00 | 0 | 37 | T | 0 | 0 | 5 | 33.936930 | -81.054124 |
| 365 | 3887 | | Posted Speed | 50.00 | 0 | 29 | T | 0 | 0 | 5 | 33.947321 | -81.051319 |
| 364 | 4875 | | Down Milepost | 364.00 | 0 | 23 | C | 0 | 0 | 5 | 33.950001 | -81.050882 |
| 364 | 5049 | | Class Change | 1.00 | 0 | 6 | B | 0 | 0 | 5 | 33.963250 | -81.055661 |
| 364 | 5049 | | Posted Speed | 10.00 | 0 | 6 | B | 0 | 0 | 5 | 33.963250 | -81.055661 |
| 364 | 5088 | | Track Change | 0.00 | 0 | 6 | B | 0 | 0 | 7 | 33.963355 | -81.055700 |
| 363 | 5680 | | Down Milepost | 363.00 | 0 | 6 | T | 0 | 0 | 7 | 33.964912 | -81.056238 |
| 363 | 320 | 120 | L Cant NEG*(115RE) | -4.70 | 22 | 7 | B | | 1 | 7 | 33.965752 | -81.056550 |

Notes:

* Federal Track Safety Standard Advisory

+ Maximum curve speed is limited at qualified cant deficiency. However, actual cant deficiency does not exceed 1-inch grace allowed under 49 CFR 213.57(b).

Rail Impact Values are unitless; indicating a location with a large vertical axle acceleration

Rail Cant Exceptions values indicate degrees.

(RSA) indicates possible Rail Seat Abrasion. The following fields are irrelevant for Cant Exceptions: LC, PC

Exception Report
 Curve Analysis Section
 Milepost 493 to Milepost 363
 Savannah, GA to Columbia, SC

Elevation plus(+) = L Rail High, minus(-) = R Rail High Curvature plus(+) = Curve to Right, minus(-) = Curve to Left

| Track | | Starting | | Ending | | Average | | Speed | | Limiting Point | | Total | | Limiting Speed at | | | | | | | | |
|----------|-----------------|-----------------|-------------|-----------|--------------|--------------|--------------|-----------------|--------------|----------------|--------------|------------|-----------|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| MP | FT | MP | FT | Len | Spd | Deg/Mi | Inches | Post | Lmt | MP | FT | Deg/Mi | Inches | FT | Grp | 3.0 | 4.0 | 5.0 | 6.0 | 7.0 | 8.0 | 9.0 |
| 7 | 491 2767 | 491 3322 | 556 | 7 | -5/23 | -1.12 | 10 33 | 491 3132 | -5/22 | -1.12 | 0 0 | 33 | 36 | 40 | 43 | 46 | 49 | 51 | | | | |
| 5 | 491 4082 | 497 486 | 1041 | 13 | 4/33 | 0.92 | 25 34 | 491 4558 | 4/41 | 0.87 | 0 0 | 34 | 38 | 42 | 45 | 48 | 52 | 54 | | | | |
| 5 | 490 5276 | 489 2357 | 2363 | 48 | 0/56 | 1.61 | 79 80 | 489 1364 | 1/01 | 1.54 | 0 0 | 80 | 88 | 96 | 103 | 109 | 116 | 122 | | | | |
| 5 | 468 2428 | 467 713 | 3578 | 49 | 0/56 | 1.89 | 79 83 | 468 3861 | 0/59 | 1.8 | 0 0 | 83 | 91 | 99 | 106 | 112 | 118 | 124 | | | | |
| + | 5 | 467 10524 | 465 1988 | 2076 | 49 | -0/56 | -1.15 | 60 77 | 465 1453 | -0/58 | -1 | 593 -3 | 77 | 86 | 94 | 102 | 109 | 115 | 121 | | | |
| 5 | 461 1672 | 461 2893 | 1222 | 49 | -0/25 | -0.84 | 79 108 | 461 2241 | -0/28 | -0.83 | 0 0 | 108 | 122 | 134 | 145 | 155 | 165 | 174 | | | | |
| 5 | 436 5008 | 435 1147 | 1419 | 46 | 0/56 | 1.78 | 79 80 | 435 243 | 1/03 | 1.7 | 0 0 | 80 | 88 | 95 | 102 | 108 | 114 | 120 | | | | |
| 5 | 423 279 | 423 1219 | 941 | 35 | 0/31 | 0.89 | 79 96 | 423 811 | 0/37 | 0.94 | 0 0 | 96 | 107 | 117 | 127 | 136 | 144 | 152 | | | | |
| 5 | 419 3372 | 419 5278 | 1907 | 47 | -0/57 | -2.08 | 79 84 | 419 4258 | -1/01 | -2 | 0 0 | 84 | 92 | 99 | 106 | 112 | 118 | 124 | | | | |
| 5 | 418 5135 | 417 285 | 446 | 49 | 1/31 | 4.82 | 75 86 | 417 284 | 1/31 | 4.82 | 0 0 | 86 | 91 | 96 | 100 | 105 | 109 | 113 | | | | |
| + | 5 | 417 285 | 417 1650 | 1366 | 50 | 1/59 | 4.82 | 70 71 | 417 502 | 2/11 | 4.65 | 489 -2 | 71 | 75 | 79 | 83 | 87 | 90 | 94 | | | |
| 5 | 415 339 | 415 1656 | 1318 | 45 | -0/50 | -1.77 | 79 83 | 415 789 | -1/01 | -2 | 0 0 | 83 | 91 | 99 | 105 | 112 | 118 | 124 | | | | |
| 5 | 413 2998 | 413 4143 | 1146 | 50 | -0/59 | -1.94 | 79 79 | 413 3404 | -1/07 | -1.95 | 0 0 | 79 | 87 | 94 | 100 | 106 | 112 | 118 | | | | |
| 5 | 399 3298 | 399 4100 | 803 | 39 | 1/27 | 4.13 | 75 83 | 399 3875 | 1/25 | 3.82 | 0 0 | 83 | 88 | 94 | 99 | 104 | 109 | 113 | | | | |
| + | 5 | 398 980 | 398 2152 | 1173 | 38 | -2/53 | -4.82 | 40 60 | 398 1733 | -2/59 | -4.53 | 4 -1 | 60 | 63 | 67 | 71 | 74 | 77 | 80 | | | |
| + | 5 | 398 4287 | 397 174 | 1156 | 37 | 2/08 | 1.99 | 40 56 | 398 4963 | 2/14 | 1.97 | 415 -1 | 56 | 61 | 66 | 71 | 75 | 79 | 83 | | | |
| 5 | 397 1932 | 397 3293 | 1362 | 40 | -4/43 | -4.64 | 40 47 | 397 2458 | -4/51 | -4.48 | 387 -1 | 47 | 49 | 52 | 55 | 58 | 60 | 63 | | | | |
| 5 | 397 5195 | 396 880 | 986 | 27 | 2/00 | 2.87 | 60 61 | 396 272 | 2/05 | 2.49 | 0 0 | 61 | 66 | 71 | 76 | 80 | 84 | 88 | | | | |
| 5 | 396 4964 | 395 1425 | 1736 | 23 | 4/32 | 4.54 | 55 47 | 395 721 | 4/47 | 4.5 | 613 0 | 47 | 50 | 53 | 56 | 58 | 61 | 63 | | | | |
| 5 | 395 3939 | 394 225 | 1616 | 40 | -2/59 | -4.54 | 55 59 | 395 5054 | -3/04 | -4.52 | 0 0 | 59 | 63 | 66 | 70 | 73 | 76 | 79 | | | | |
| + | 5 | 394 5186 | 393 1366 | 1435 | 40 | 4/06 | 5.04 | 50 52 | 393 745 | 4/13 | 4.99 | 579 -1 | 52 | 55 | 58 | 60 | 63 | 66 | 68 | | | |
| + | 5 | 393 3526 | 393 4789 | 1264 | 40 | -2/50 | -4.22 | 40 59 | 393 3949 | -2/54 | -4.13 | 247 -2 | 59 | 63 | 67 | 70 | 74 | 77 | 80 | | | |
| + | 5 | 392 2139 | 392 3245 | 1107 | 40 | -1/59 | -2.11 | 40 59 | 392 2806 | -2/02 | -2.07 | 123 -1 | 59 | 65 | 70 | 75 | 79 | 83 | 88 | | | |
| + | 5 | 388 3511 | 388 4856 | 1346 | 41 | -3/07 | -4.3 | 40 57 | 388 4260 | -3/10 | -4.26 | 484 -1 | 57 | 61 | 64 | 68 | 71 | 74 | 77 | | | |
| + | 5 | 386 4120 | 386 5114 | 995 | 38 | 3/03 | 4.01 | 40 56 | 386 4532 | 3/09 | 3.99 | 212 -1 | 56 | 60 | 63 | 67 | 70 | 73 | 76 | | | |
| 5 | 385 3190 | 385 4604 | 1415 | 40 | 3/02 | 3.99 | 40 55 | 385 3822 | 3/08 | 3.65 | 522 1 | 55 | 59 | 62 | 66 | 69 | 72 | 75 | | | | |
| 5 | 383 80 | 383 1306 | 1227 | 36 | 4/32 | 3.97 | 40 47 | 383 673 | 4/37 | 4.02 | 230 -1 | 47 | 49 | 52 | 55 | 58 | 61 | 63 | | | | |
| + | 5 | 383 1715 | 383 3039 | 1325 | 40 | -4/33 | -4.43 | 40 48 | 383 2552 | -4/37 | -4.39 | 407 -1 | 48 | 50 | 53 | 56 | 59 | 61 | 64 | | | |
| 5 | 383 4108 | 382 3 | 1165 | 38 | -4/11 | -3.02 | 40 45 | 383 4776 | -4/15 | -3.02 | 312 1 | 45 | 48 | 51 | 55 | 58 | 60 | 63 | | | | |
| 5 | 382 2923 | 382 3721 | 799 | 39 | -3/29 | -3.3 | 50 51 | 382 3395 | -3/31 | -3.34 | 0 0 | 51 | 54 | 58 | 61 | 64 | 67 | 70 | | | | |
| 5 | 382 4040 | 382 4775 | 736 | 39 | 3/49 | 1.71 | 40 41 | 382 4412 | 3/52 | 1.61 | 38 1 | 41 | 45 | 49 | 53 | 56 | 59 | 62 | | | | |
| 5 | 381 330 | 381 1835 | 1506 | 34 | 2/29 | 3.3 | 50 59 | 381 979 | 2/34 | 3.29 | 0 0 | 59 | 63 | 67 | 71 | 75 | 79 | 82 | | | | |
| + | 5 | 381 3931 | 381 5075 | 1145 | 38 | -4/01 | -3.6 | 40 47 | 381 4398 | -4/08 | -3.41 | 403 -1 | 47 | 50 | 53 | 56 | 59 | 62 | 65 | | | |
| 5 | 380 746 | 380 1658 | 913 | 38 | 3/58 | 3.39 | 40 47 | 380 1100 | 4/03 | 3.36 | 278 -1 | 47 | 50 | 54 | 57 | 60 | 63 | 66 | | | | |
| + | 5 | 380 2045 | 380 3520 | 1476 | 48 | -2/56 | -4.36 | 40 59 | 380 2921 | -2/59 | -4.3 | 382 -2 | 59 | 63 | 66 | 70 | 73 | 76 | 79 | | | |
| + | 5 | 380 4103 | 379 197 | 1292 | 47 | 2/57 | 4.32 | 40 59 | 380 4774 | 2/59 | 4.21 | 380 -1 | 59 | 62 | 66 | 69 | 73 | 76 | 79 | | | |
| + | 5 | 376 4993 | 375 602 | 1141 | 43 | 0/58 | 0.95 | 60 75 | 376 5458 | 0/59 | 0.96 | 789 -1 | 75 | 84 | 92 | 100 | 107 | 113 | 119 | | | |
| 5 | 374 3590 | 374 4685 | 1096 | 46 | 0/29 | 0.97 | 79 103 | 374 3962 | 0/32 | 0.96 | 0 0 | 103 | 115 | 126 | 136 | 146 | 155 | 163 | | | | |
| + | 5 | 373 1988 | 373 3487 | 1500 | 40 | -4/05 | -2.93 | 45 45 | 373 2427 | -4/12 | -2.88 | 159 -1 | 45 | 48 | 51 | 54 | 57 | 60 | 63 | | | |
| 5 | 373 4468 | 372 927 | 1646 | 39 | 4/04 | 2.99 | 45 45 | 373 4944 | 4/09 | 2.91 | 0 0 | 45 | 48 | 52 | 55 | 58 | 61 | 64 | | | | |
| 5 | 372 4439 | 372 6572 | 2134 | 40 | 4/29 | 3.99 | 45 46 | 372 4874 | 4/35 | 3.76 | 0 0 | 46 | 49 | 52 | 55 | 57 | 60 | 63 | | | | |
| 5 | 372 7153 | 372 9268 | 2116 | 35 | -2/57 | -2 | 40 48 | 372 7591 | -2/58 | -1.82 | 0 0 | 48 | 53 | 57 | 61 | 65 | 68 | 72 | | | | |
| 5 | 372 9757 | 370 1719 | 2675 | 34 | -5/29 | -2.97 | 45 39 | 370 928 | -5/35 | -2.94 | 1617 0 | 39 | 42 | 45 | 47 | 50 | 52 | 55 | | | | |
| + | 5 | 370 1719 | 370 2989 | 1271 | 35 | 4/59 | 3.54 | 40 43 | 370 2347 | 5/04 | 3.54 | 405 -1 | 43 | 46 | 49 | 51 | 54 | 57 | 59 | | | |
| 5 | 370 4395 | 369 499 | 1373 | 33 | 4/29 | 3 | 60 43 | 369 118 | 4/32 | 2.85 | 759 0 | 43 | 46 | 49 | 52 | 55 | 58 | 61 | | | | |
| 5 | 369 2044 | 369 3129 | 1086 | 35 | -1/00 | -1.06 | 60 70 | 369 2244 | -1/09 | -1 | 0 0 | 70 | 78 | 86 | 93 | 99 | 105 | 111 | | | | |

Exception Report
 Curve Analysis Section
 Milepost 493 to Milepost 363
 Savannah, GA to Columbia, SC

Page 2 of 2
 Run Date: 12/07/2016
 Run ID: 2016120701

Elevation plus(+) = L Rail High, minus(-) = R Rail High Curvature plus(+) = Curve to Right, minus(-) = Curve to Left

| Track | Starting | | Ending | | Average | | Speed | | Limiting Point | | Total | Limiting Speed at | | | | | | | | | | | |
|-------|----------|------|--------|------|---------|-----|--------|--------|----------------|-----|-------|-------------------|--------|-------|-----|-----|------------|-----|-----|-----|-----|-----|-----|
| | MP | FT | MP | FT | Len | Spd | Curve | Elev | MP | FT | | Curve | Elev | 3.0 | 4.0 | 5.0 | 6.0 | 7.0 | 8.0 | 9.0 | | | |
| | | | | | | | Deg/Mi | Inches | Post | Lmt | | Deg/Mi | Inches | FT | Grp | | | | | | | | |
| + 5 | 368 | 671 | 368 | 2377 | 1707 | 26 | 2/59 | 4.4 | 40 | 58 | 368 | 1652 | 3/03 | 4.29 | 635 | -2 | 58 | 62 | 65 | 69 | 72 | 75 | 78 |
| 5 | 368 | 3700 | 368 | 5069 | 1370 | 20 | -1/53 | -1.98 | 60 | 61 | 368 | 4594 | -1/55 | -1.96 | 0 | 0 | 61 | 66 | 72 | 77 | 81 | 86 | 90 |
| 5 | 367 | 215 | 367 | 618 | 404 | 20 | 0/20 | 0.91 | 60 | 114 | 367 | 379 | 0/25 | 0.82 | 0 | 0 | 114 | 128 | 140 | 152 | 163 | 173 | 182 |
| 5 | 367 | 822 | 367 | 1201 | 380 | 8 | -0/22 | -0.86 | 60 | 114 | 367 | 986 | -0/25 | -0.83 | 0 | 0 | 114 | 129 | 142 | 154 | 165 | 175 | 185 |
| 6 | 367 | 2307 | 367 | 2570 | 264 | 10 | -2/04 | -0.04 | 25 | 45 | 367 | 2470 | -2/13 | -0.13 | 0 | 0 | 45 | 51 | 57 | 62 | 67 | 72 | 76 |
| 6 | 367 | 2570 | 367 | 2846 | 277 | 10 | 1/55 | 0.23 | 25 | 47 | 367 | 2663 | 2/01 | 0.08 | 0 | 0 | 47 | 53 | 59 | 65 | 70 | 75 | 80 |
| 6 | 367 | 3556 | 367 | 4797 | 1242 | 11 | -1/56 | -1.26 | 25 | 53 | 367 | 3897 | -2/00 | -0.93 | 0 | 0 | 53 | 59 | 65 | 70 | 75 | 79 | 84 |
| 6 | 366 | 263 | 366 | 542 | 280 | 13 | 2/02 | 0 | 15 | 45 | 366 | 448 | 2/10 | 0.12 | 0 | 0 | 45 | 52 | 58 | 63 | 68 | 73 | 77 |
| 5 | 366 | 542 | 366 | 797 | 256 | 14 | -2/19 | -0.33 | 15 | 45 | 366 | 662 | -2/19 | -0.33 | 0 | 0 | 45 | 51 | 57 | 62 | 67 | 71 | 75 |
| 5 | 365 | 4130 | 364 | 647 | 1394 | 25 | -2/54 | -2.62 | 50 | 51 | 365 | 4808 | -2/57 | -2.41 | 0 | 0 | 51 | 55 | 59 | 63 | 67 | 71 | 74 |
| 7 | 364 | 4959 | 364 | 5237 | 279 | 8 | 2/02 | -0.11 | 10 | 43 | 364 | 5115 | 2/13 | -0.15 | 0 | 0 | 43 | 49 | 55 | 61 | 66 | 71 | 75 |
| 7 | 364 | 5237 | 364 | 5491 | 255 | 8 | -2/24 | -0.04 | 10 | 41 | 364 | 5332 | -2/28 | 0.13 | 0 | 0 | 41 | 47 | 53 | 58 | 63 | 67 | 71 |
| 7 | 363 | 43 | 363 | 182 | 140 | 4 | 0/15 | -0.7 | 10 | 112 | 363 | 105 | 0/16 | -0.72 | 0 | 0 | 112 | 134 | 153 | 170 | 185 | 199 | 213 |
| 7 | 363 | 182 | 363 | 226 | 45 | 6 | -0/16 | 0.03 | 10 | 122 | 363 | 192 | -0/16 | 0.07 | 0 | 0 | 122 | 144 | 161 | 177 | 191 | 204 | 217 |
| 7 | 363 | 226 | 363 | 600 | 375 | 7 | 3/07 | -0.47 | 10 | 29 | 363 | 324 | 4/31 | -0.37 | 0 | 0 | 29 | 33 | 38 | 42 | 45 | 49 | 52 |
| 7 | 363 | 600 | 363 | 698 | 99 | 8 | -0/31 | 0.05 | 10 | 80 | 363 | 646 | -0/41 | -0.17 | 0 | 0 | 80 | 92 | 103 | 113 | 121 | 130 | 137 |
| 7 | 363 | 698 | 363 | 1387 | 690 | 8 | 4/27 | -0.67 | 10 | 24 | 363 | 864 | 6/37 | -0.36 | 0 | 0 | 24 | 28 | 31 | 34 | 37 | 40 | 43 |
| 7 | 363 | 1387 | 363 | 1504 | 118 | 7 | -5/05 | -0.39 | 10 | 30 | 363 | 1451 | -5/12 | -0.3 | 0 | 0 | 30 | 34 | 38 | 41 | 44 | 47 | 50 |
| 7 | 363 | 1504 | 363 | 1863 | 360 | 4 | 12/37 | 0.16 | 10 | 18 | 363 | 1687 | 12/38 | -0.07 | 0 | 0 | 18 | 21 | 23 | 25 | 27 | 29 | 31 |
| 7 | 363 | 1863 | 363 | 2016 | 154 | 4 | 6/02 | -0.76 | 10 | 22 | 363 | 1911 | 6/11 | -0.82 | 0 | 0 | 22 | 27 | 31 | 34 | 37 | 40 | 43 |
| 7 | 363 | 2188 | 363 | 2481 | 294 | 8 | -10/23 | -0.23 | 10 | 21 | 363 | 2335 | -10/27 | -0.11 | 0 | 0 | 21 | 23 | 26 | 28 | 31 | 33 | 35 |
| 7 | 363 | 2786 | 363 | 3118 | 333 | 7 | -6/26 | -0.45 | 10 | 28 | 363 | 2996 | -6/26 | -0.45 | 0 | 0 | 28 | 31 | 34 | 37 | 40 | 43 | 45 |
| 7 | 363 | 3483 | 363 | 4102 | 620 | 8 | 2/21 | -0.02 | 10 | 25 | 363 | 3658 | 7/17 | 0.21 | 0 | 0 | 25 | 28 | 31 | 34 | 37 | 40 | 42 |

Notes:

+ Maximum curve speed is limited at qualified cant deficiency.
 However, actual cant deficiency does not exceed 1-inch grace allowed under 49 CFR 213.57(b).

Exception Report
 Exception Summary Section
 Milepost 493 to Milepost 363
 Savannah, GA to Columbia, SC

Page 1 of 1
 Run Date: 12/07/2016
 Run ID: 2016120701

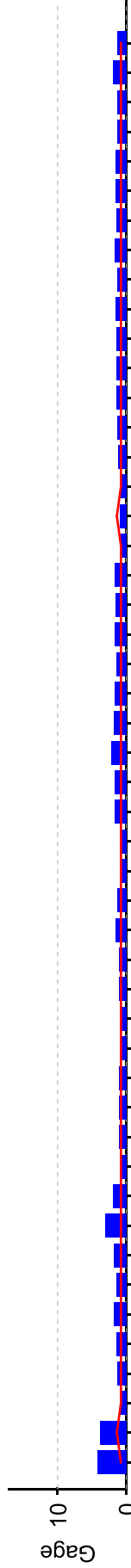
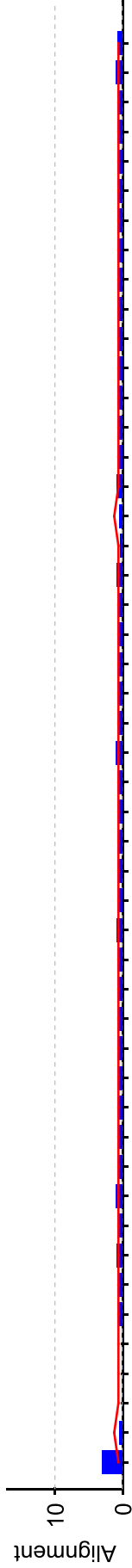
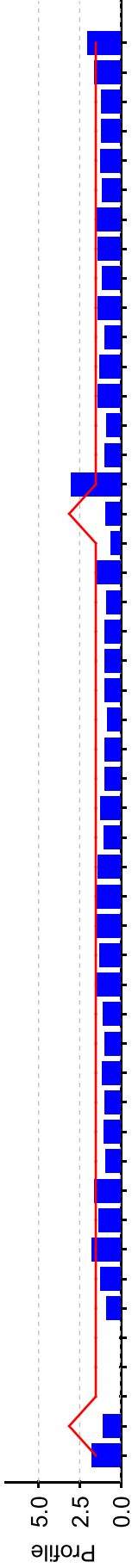
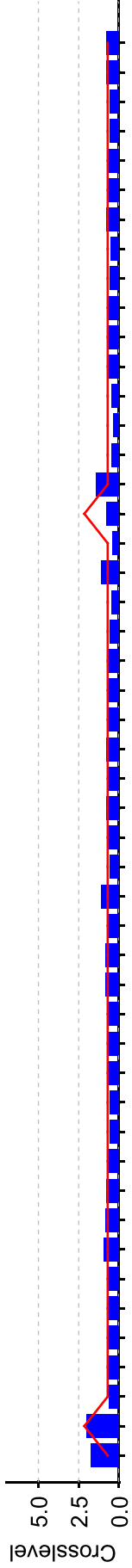
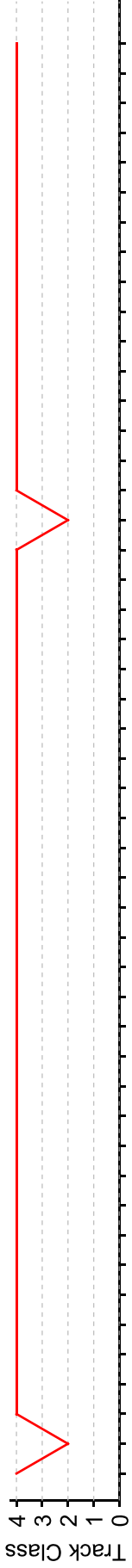
| MP | FT | Wide Gage | | | Tight Gage | | Alignment | | | Crosslevel | | | Rockoff | | | Profile | | | Run Off | | | Warp | | | Twist-31 | | | Lmt Spd | Lim | | Pst | Trk | | |
|-----|------|-----------|-----|------|------------|-----|-----------|-----|------|------------|-----|------|---------|-----|------|---------|-----|------|---------|-----|------|------|-----|------|----------|-----|------|---------|-----|------|-----|-----|---|---|
| | | Tot | Exc | 2 Cl | Tot | Exc | Tot | Exc | 2 Cl | Tot | Exc | 2 Cl | Tot | Exc | 2 Cl | Tot | Exc | 2 Cl | Tot | Exc | 2 Cl | Tot | Exc | 2 Cl | Tot | Exc | 2 Cl | Tot | Exc | 2 Cl | | | | |
| 385 | 5296 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 0 | 3 | 5 |
| 382 | 5268 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 0 | 3 | 5 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | |

Total Miles: 137.10
Exceptions per 100 Miles: 2.19
CY15 National Average Exceptions per 100 miles: 9.9

Track Quality Index

Milepost 493 to Milepost 363

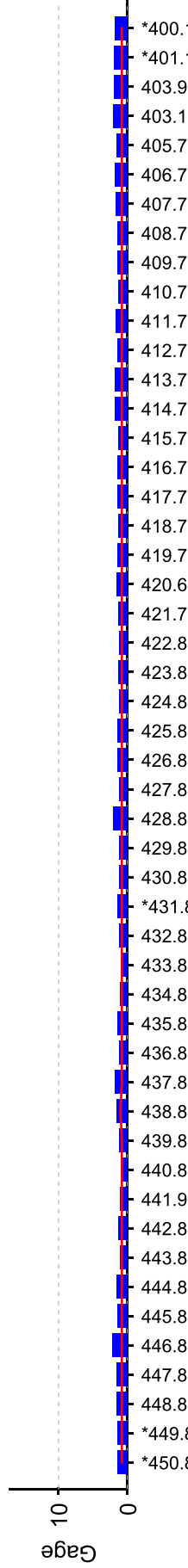
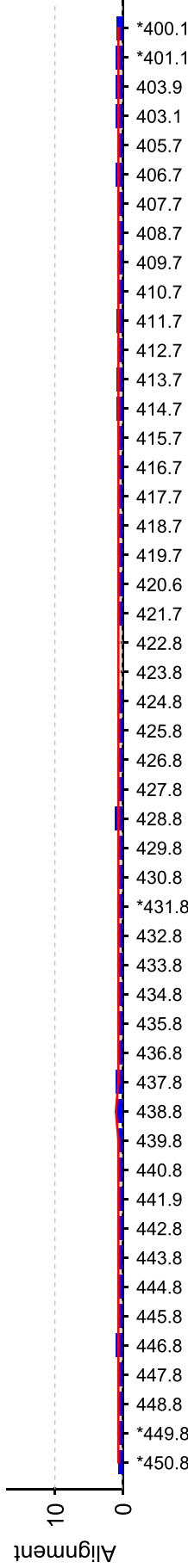
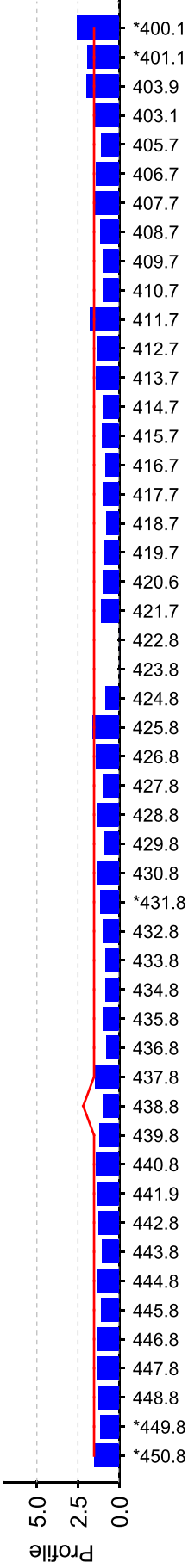
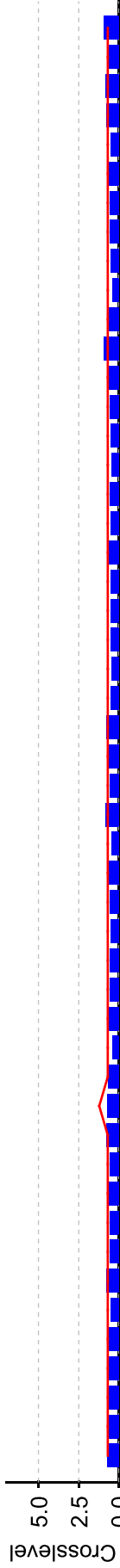
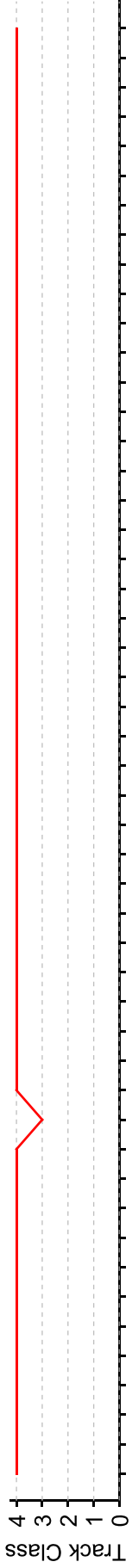
Savannah, GA - Columbia, SC



Track Quality Index

Milepost 493 to Milepost 363

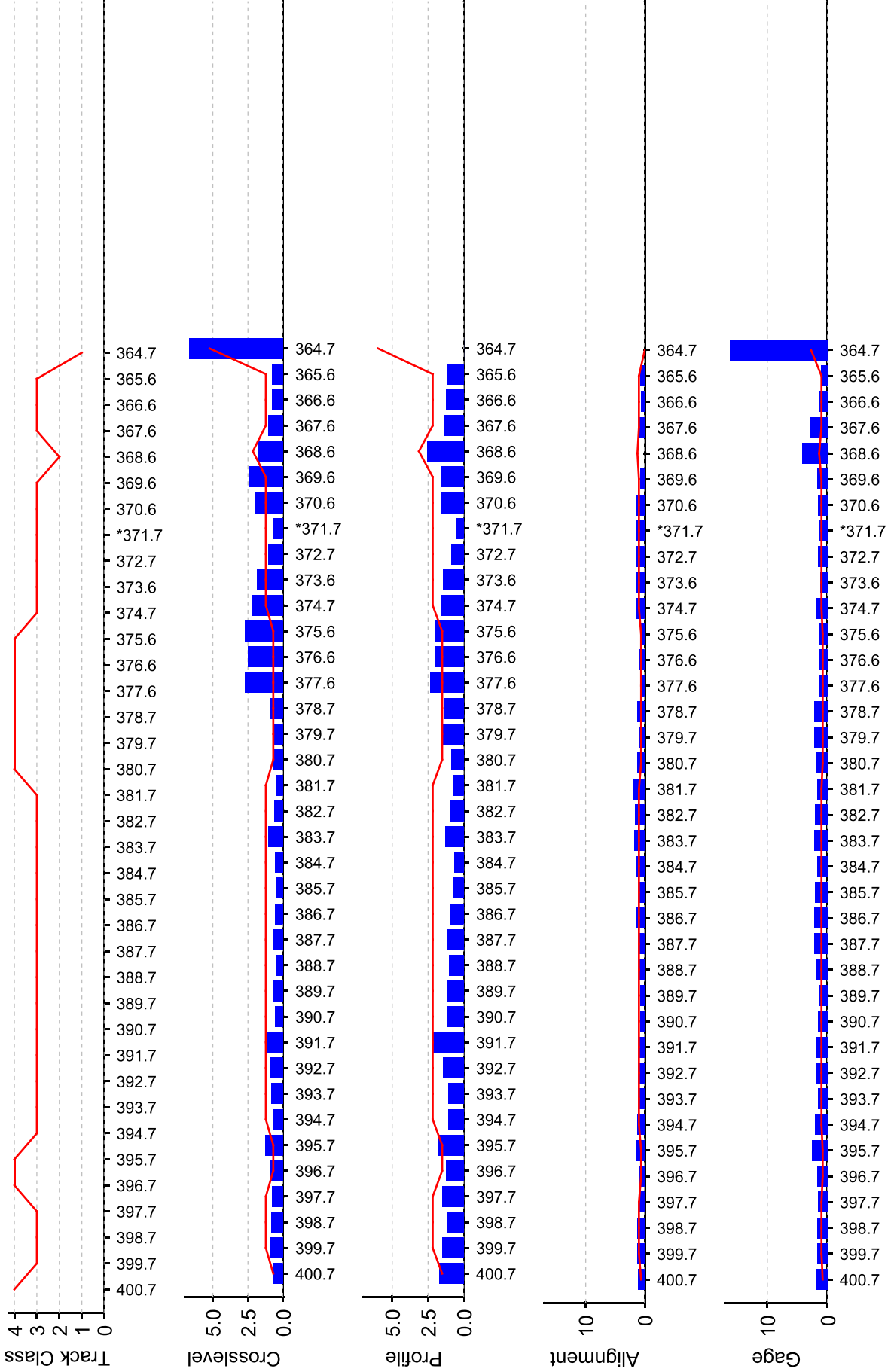
Savannah, GA - Columbia, SC



Track Quality Index

Page 3 of 3
Run Date: 2016-12-07
Run ID: 2016120701

Milepost 493 to Milepost 363
Savannah, GA - Columbia, SC



Exception Report
Class Plus 1 Exception List Section
Milepost 493 to Milepost 363
Savannah, GA to Columbia, SC

Page 1 of 6
Run Date: 12/07/2016
Run ID: 2016120701

| MP | FT | Seq# | Parameter | Value | Length | Speed | TSC | LC | PC | Track | Latitude | Longitude |
|-----|------|------|-------------------|--------|--------|-------|-----|----|----|-------|-----------|------------|
| 0 | 159 | | State Line | GA | 0 | 5 | T | 0 | 0 | 7 | 32.068968 | -81.138479 |
| 0 | 160 | | Railroad | CSXT - | 0 | 5 | T | 0 | 0 | 7 | 32.068970 | -81.138481 |
| 0 | 161 | | Subdivision | SAVANN | 0 | 5 | T | 0 | 0 | 7 | 32.068973 | -81.138482 |
| 493 | 220 | | Down Milepost | 493.00 | 0 | 7 | T | 0 | 0 | 7 | 32.069110 | -81.138583 |
| 493 | 4753 | | Track Change | 0.00 | 0 | 7 | T | 0 | 0 | 1 | 32.069110 | -81.138583 |
| 493 | 4753 | | Posted Speed | 50.00 | 0 | 7 | T | 0 | 0 | 1 | 32.069110 | -81.138583 |
| 492 | 5408 | | Down Milepost | 492.00 | 0 | 10 | T | 0 | 0 | 1 | 32.070636 | -81.139696 |
| 492 | 1806 | 3 | L Align 62 | -0.90 | 8 | 27 | T | 4 | 5 | 1 | 32.074844 | -81.142747 |
| 492 | 1833 | 4 | R Prof 62 | 1.53 | 7 | 27 | T | 4 | 5 | 1 | 32.074907 | -81.142793 |
| 492 | 1847 | 6 | L Align 62 | 1.03 | 15 | 27 | T | 4 | 5 | 1 | 32.074940 | -81.142818 |
| 492 | 1852 | 5 | R Align 62 | 0.94 | 11 | 27 | T | 4 | 5 | 1 | 32.074952 | -81.142827 |
| 492 | 2951 | 7 | L Align 62 | 1.31 | 1 | 32 | T | 4 | 5 | 1 | 32.077516 | -81.144690 |
| 491 | 5333 | | Down Milepost | 491.00 | 0 | 31 | T | 0 | 0 | 1 | 32.083070 | -81.148726 |
| 491 | 2689 | | Subdivision | COLUM | 0 | 9 | T | 0 | 0 | 1 | 32.089336 | -81.153278 |
| 491 | 2818 | 14 | Warp 62 | 1.82 | 40 | 7 | B | 3 | 5 | 1 | 32.089638 | -81.153497 |
| 491 | 2836 | | Class Change | 1.00 | 0 | 7 | B | 0 | 0 | 1 | 32.089679 | -81.153529 |
| 491 | 2836 | | Posted Speed | 10.00 | 0 | 7 | B | 0 | 0 | 1 | 32.089679 | -81.153529 |
| 491 | 2912 | | Track Change | 0.00 | 0 | 6 | E | 0 | 0 | 7 | 32.089853 | -81.153665 |
| 491 | 3273 | 17 | Warp 62 | 2.41 | 62 | 8 | E | 1 | 2 | 7 | 32.090567 | -81.154459 |
| 491 | 3529 | | Track Change | 0.00 | 0 | 4 | T | 0 | 0 | 5 | 32.090993 | -81.155125 |
| 491 | 3621 | | Class Change | 2.00 | 0 | 9 | T | 0 | 0 | 5 | 32.091141 | -81.155364 |
| 491 | 3621 | | Posted Speed | 25.00 | 0 | 9 | T | 0 | 0 | 5 | 32.091141 | -81.155364 |
| 497 | 4635 | | Down Milepost | 497.00 | 0 | 13 | C | 0 | 0 | 5 | 32.092892 | -81.157889 |
| 497 | 586 | | Class Change | 4.00 | 0 | 14 | T | 0 | 0 | 5 | 32.094282 | -81.158826 |
| 497 | 586 | | Posted Speed | 79.00 | 0 | 14 | T | 0 | 0 | 5 | 32.094282 | -81.158826 |
| 496 | 5276 | | Down Milepost | 496.00 | 0 | 14 | T | 0 | 0 | 5 | 32.105740 | -81.165667 |
| 495 | 5291 | | Down Milepost | 495.00 | 0 | 14 | T | 0 | 0 | 5 | 32.118660 | -81.173385 |
| 494 | 5326 | | Down Milepost | 494.00 | 0 | 13 | T | 0 | 0 | 5 | 32.131682 | -81.181166 |
| 493 | 5227 | | Down Milepost | 493.00 | 0 | 44 | T | 0 | 0 | 5 | 32.144455 | -81.188796 |
| 493 | 2373 | | Class Change | 2.00 | 0 | 25 | T | 0 | 0 | 5 | 32.150242 | -81.192257 |
| 493 | 2373 | | Posted Speed | 25.00 | 0 | 25 | T | 0 | 0 | 5 | 32.150242 | -81.192257 |
| 493 | 2780 | | Class Change | 4.00 | 0 | 25 | T | 0 | 0 | 5 | 32.151236 | -81.192852 |
| 493 | 2780 | | Posted Speed | 79.00 | 0 | 25 | T | 0 | 0 | 5 | 32.151236 | -81.192852 |
| 492 | 5295 | | Down Milepost | 492.00 | 0 | 44 | T | 0 | 0 | 5 | 32.157393 | -81.196530 |
| 491 | 5256 | | Down Milepost | 491.00 | 0 | 47 | T | 0 | 0 | 5 | 32.170224 | -81.204200 |
| 491 | 3583 | | Class Change | 2.00 | 0 | 23 | T | 0 | 0 | 5 | 32.178971 | -81.209438 |
| 491 | 3583 | | Posted Speed | 25.00 | 0 | 23 | T | 0 | 0 | 5 | 32.178971 | -81.209438 |
| 491 | 4098 | | Class Change | 4.00 | 0 | 23 | T | 0 | 0 | 5 | 32.180233 | -81.210188 |
| 491 | 4098 | | Posted Speed | 79.00 | 0 | 23 | T | 0 | 0 | 5 | 32.180233 | -81.210188 |

Exception Report
 Class Plus 1 Exception List Section
 Milepost 493 to Milepost 363
 Savannah, GA to Columbia, SC

| MP | FT | Seq# | Parameter | Value | Length | Speed | TSC | LC | PC | Track | Latitude | Longitude |
|-----|-------|------|-------------------|--------|--------|-------|-----|----|----|-------|-----------|------------|
| 490 | 5348 | | Down Milepost | 490.00 | 0 | 34 | T | 0 | 0 | 5 | 32.183293 | -81.212019 |
| 489 | 5280 | | Down Milepost | 489.00 | 0 | 48 | B | 0 | 0 | 5 | 32.196184 | -81.219734 |
| 488 | 5295 | | Down Milepost | 488.00 | 0 | 49 | T | 0 | 0 | 5 | 32.210290 | -81.223269 |
| 487 | 5279 | | Down Milepost | 487.00 | 0 | 49 | T | 0 | 0 | 5 | 32.224633 | -81.225589 |
| 486 | 5195 | | Down Milepost | 486.00 | 0 | 49 | T | 0 | 0 | 5 | 32.238740 | -81.227859 |
| 485 | 5413 | | Down Milepost | 485.00 | 0 | 49 | T | 0 | 0 | 5 | 32.253442 | -81.230247 |
| 484 | 5298 | | Down Milepost | 484.00 | 0 | 47 | T | 0 | 0 | 5 | 32.267832 | -81.232578 |
| 483 | 5317 | | Down Milepost | 483.00 | 0 | 49 | T | 0 | 0 | 5 | 32.282273 | -81.234916 |
| 482 | 5253 | | Down Milepost | 482.00 | 0 | 50 | T | 0 | 0 | 5 | 32.296538 | -81.237228 |
| 482 | 4440 | | Posted Speed | 70.00 | 0 | 39 | T | 0 | 0 | 5 | 32.308591 | -81.239174 |
| 482 | 5268 | 23 | L Align 62 | -0.88 | 1 | 39 | T | 4 | 5 | 5 | 32.310838 | -81.239542 |
| 481 | 5300 | | Down Milepost | 481.00 | 0 | 39 | T | 0 | 0 | 5 | 32.310928 | -81.239556 |
| 481 | 2296 | | Posted Speed | 79.00 | 0 | 45 | T | 0 | 0 | 5 | 32.317160 | -81.240573 |
| 480 | 4203 | | Down Milepost | 480.00 | 0 | 49 | T | 0 | 0 | 5 | 32.325403 | -81.241905 |
| 480 | 3084 | 24 | L Runoff* | 1.22 | 31 | 49 | T | 4 | 5 | 5 | 32.333775 | -81.243260 |
| 479 | 5255 | | Down Milepost | 479.00 | 0 | 49 | T | 0 | 0 | 5 | 32.339675 | -81.244216 |
| 478 | 5254 | | Down Milepost | 478.00 | 0 | 47 | T | 0 | 0 | 5 | 32.353935 | -81.246518 |
| 477 | 5327 | | Down Milepost | 477.00 | 0 | 50 | T | 0 | 0 | 5 | 32.368393 | -81.248856 |
| 476 | 5297 | | Down Milepost | 476.00 | 0 | 49 | T | 0 | 0 | 5 | 32.382775 | -81.251177 |
| 475 | 5255 | | Down Milepost | 475.00 | 0 | 49 | T | 0 | 0 | 5 | 32.397045 | -81.253485 |
| 474 | 5337 | | Down Milepost | 474.00 | 0 | 49 | T | 0 | 0 | 5 | 32.411540 | -81.255821 |
| 472 | 10569 | | Down Milepost | 472.00 | 0 | 49 | T | 0 | 0 | 5 | 32.440241 | -81.260453 |
| 471 | 5303 | | Down Milepost | 471.00 | 0 | 49 | T | 0 | 0 | 5 | 32.454642 | -81.262776 |
| 470 | 5297 | | Down Milepost | 470.00 | 0 | 49 | T | 0 | 0 | 5 | 32.469046 | -81.265085 |
| 469 | 5290 | | Down Milepost | 469.00 | 0 | 49 | T | 0 | 0 | 5 | 32.483393 | -81.267409 |
| 468 | 5297 | | Down Milepost | 468.00 | 0 | 49 | T | 0 | 0 | 5 | 32.497781 | -81.269732 |
| 467 | 5291 | | Down Milepost | 467.00 | 0 | 48 | C | 0 | 0 | 5 | 32.512108 | -81.269873 |
| 467 | 4479 | | Class Change | 2.00 | 0 | 23 | T | 0 | 0 | 5 | 32.523223 | -81.263732 |
| 467 | 4479 | | Posted Speed | 25.00 | 0 | 23 | T | 0 | 0 | 5 | 32.523223 | -81.263732 |
| 467 | 5777 | | Class Change | 4.00 | 0 | 23 | T | 0 | 0 | 5 | 32.526436 | -81.261933 |
| 467 | 5777 | | Posted Speed | 45.00 | 0 | 23 | T | 0 | 0 | 5 | 32.526436 | -81.261933 |
| 467 | 9412 | | Posted Speed | 79.00 | 0 | 45 | T | 0 | 0 | 5 | 32.535444 | -81.256892 |
| 465 | 10610 | | Down Milepost | 465.00 | 0 | 47 | B | 0 | 0 | 5 | 32.538413 | -81.255233 |
| 465 | 2296 | 32 | L Prof 62 | -1.37 | 2 | 49 | T | 4 | 5 | 5 | 32.544477 | -81.253381 |
| 463 | 10574 | | Down Milepost | 462.00 | 0 | 49 | T | 0 | 0 | 5 | 32.567000 | -81.250168 |
| 463 | 5283 | | Down Milepost | 462.00 | 0 | 49 | T | 0 | 0 | 5 | 32.581370 | -81.248116 |
| 461 | 5298 | | Down Milepost | 461.00 | 0 | 46 | T | 0 | 0 | 5 | 32.595790 | -81.246056 |
| 461 | 4010 | 35 | L Align 62 | 1.04 | 1 | 49 | T | 4 | 5 | 5 | 32.606721 | -81.245054 |
| 460 | 5270 | | Down Milepost | 460.00 | 0 | 49 | T | 0 | 0 | 5 | 32.610197 | -81.244975 |

Exception Report
 Class Plus 1 Exception List Section
 Milepost 493 to Milepost 363
 Savannah, GA to Columbia, SC

| MP | FT | Seq# | Parameter | Value | Length | Speed | TSC | LC | PC | Track | Latitude | Longitude |
|-----|-------|------|-------------------|--------|--------|-------|-----|----|----|-------|-----------|------------|
| 459 | 5300 | | Down Milepost | 459.00 | 0 | 49 | T | 0 | 0 | 5 | 32.624730 | -81.244633 |
| 459 | 1035 | | State Line | SC | 0 | 49 | T | 0 | 0 | 5 | 32.627566 | -81.244564 |
| 458 | 5564 | | Down Milepost | 458.00 | 0 | 49 | T | 0 | 0 | 5 | 32.639980 | -81.244271 |
| 457 | 5023 | | Down Milepost | 457.00 | 0 | 48 | T | 0 | 0 | 5 | 32.653745 | -81.243944 |
| 456 | 5292 | | Down Milepost | 456.00 | 0 | 48 | T | 0 | 0 | 5 | 32.668246 | -81.243602 |
| 455 | 5301 | | Down Milepost | 455.00 | 0 | 49 | T | 0 | 0 | 5 | 32.682774 | -81.243263 |
| 454 | 5296 | | Down Milepost | 454.00 | 0 | 49 | T | 0 | 0 | 5 | 32.697272 | -81.242915 |
| 453 | 5353 | | Down Milepost | 453.00 | 0 | 49 | T | 0 | 0 | 5 | 32.711947 | -81.242577 |
| 452 | 5207 | | Down Milepost | 452.00 | 0 | 48 | T | 0 | 0 | 5 | 32.726221 | -81.242236 |
| 452 | 12893 | 42 | R Prof 62 | 1.37 | 2 | 49 | T | 4 | 5 | 5 | 32.761545 | -81.241407 |
| 452 | 12925 | 43 | R Prof 62 | -1.55 | 7 | 49 | T | 4 | 5 | 5 | 32.761634 | -81.241405 |
| 452 | 12928 | 44 | L Prof 62 | -1.49 | 7 | 49 | T | 4 | 5 | 5 | 32.761642 | -81.241404 |
| 448 | 21277 | | Down Milepost | 448.00 | 0 | 50 | T | 0 | 0 | 5 | 32.784517 | -81.240863 |
| 447 | 5193 | | Down Milepost | 447.00 | 0 | 50 | T | 0 | 0 | 5 | 32.798749 | -81.240505 |
| 446 | 5290 | | Down Milepost | 446.00 | 0 | 46 | T | 0 | 0 | 5 | 32.813247 | -81.240147 |
| 445 | 5320 | | Down Milepost | 445.00 | 0 | 49 | T | 0 | 0 | 5 | 32.827828 | -81.239788 |
| 444 | 5281 | | Down Milepost | 444.00 | 0 | 49 | T | 0 | 0 | 5 | 32.842300 | -81.239433 |
| 443 | 5290 | | Down Milepost | 443.00 | 0 | 49 | T | 0 | 0 | 5 | 32.856798 | -81.239081 |
| 442 | 5300 | | Down Milepost | 442.00 | 0 | 46 | T | 0 | 0 | 5 | 32.871324 | -81.238746 |
| 441 | 4603 | | Down Milepost | 441.00 | 0 | 51 | T | 0 | 0 | 5 | 32.883929 | -81.238451 |
| 440 | 5994 | | Down Milepost | 440.00 | 0 | 47 | T | 0 | 0 | 5 | 32.900354 | -81.238086 |
| 439 | 5225 | | Down Milepost | 439.00 | 0 | 49 | T | 0 | 0 | 5 | 32.914672 | -81.237770 |
| 438 | 5351 | | Down Milepost | 438.00 | 0 | 48 | T | 0 | 0 | 5 | 32.929336 | -81.237455 |
| 437 | 5294 | | Down Milepost | 437.00 | 0 | 45 | T | 0 | 0 | 5 | 32.943836 | -81.237154 |
| 437 | 2113 | | Class Change | 3.00 | 0 | 32 | T | 0 | 0 | 5 | 32.949626 | -81.237027 |
| 437 | 2113 | | Posted Speed | 35.00 | 0 | 32 | T | 0 | 0 | 5 | 32.949626 | -81.237027 |
| 436 | 5298 | | Down Milepost | 436.00 | 0 | 35 | T | 0 | 0 | 5 | 32.958359 | -81.236843 |
| 436 | 1049 | | Class Change | 4.00 | 0 | 35 | T | 0 | 0 | 5 | 32.961235 | -81.236782 |
| 436 | 1049 | | Posted Speed | 79.00 | 0 | 35 | T | 0 | 0 | 5 | 32.961235 | -81.236782 |
| 435 | 5278 | | Down Milepost | 435.00 | 0 | 46 | B | 0 | 0 | 5 | 32.972826 | -81.236532 |
| 434 | 5283 | | Down Milepost | 434.00 | 0 | 48 | T | 0 | 0 | 5 | 32.987071 | -81.233488 |
| 433 | 5297 | | Down Milepost | 433.00 | 0 | 48 | T | 0 | 0 | 5 | 33.001330 | -81.230220 |
| 432 | 5281 | | Down Milepost | 432.00 | 0 | 50 | T | 0 | 0 | 5 | 33.015543 | -81.226959 |
| 430 | 10595 | | Down Milepost | 430.00 | 0 | 49 | T | 0 | 0 | 5 | 33.044051 | -81.220416 |
| 429 | 5306 | | Down Milepost | 429.00 | 0 | 46 | T | 0 | 0 | 5 | 33.058331 | -81.217134 |
| 428 | 5278 | | Down Milepost | 428.00 | 0 | 49 | T | 0 | 0 | 5 | 33.072534 | -81.213865 |
| 427 | 5300 | | Down Milepost | 427.00 | 0 | 49 | T | 0 | 0 | 5 | 33.086801 | -81.210592 |
| 427 | 3906 | 51 | L Align 62 | 1.20 | 2 | 49 | T | 4 | 5 | 5 | 33.097310 | -81.208172 |
| 426 | 5297 | | Down Milepost | 426.00 | 0 | 50 | T | 0 | 0 | 5 | 33.101055 | -81.207310 |

Exception Report
 Class Plus 1 Exception List Section
 Milepost 493 to Milepost 363
 Savannah, GA to Columbia, SC

Page 4 of 6
 Run Date: 12/07/2016
 Run ID: 2016120701

| MP | FT | Seq# | Parameter | Value | Length | Speed | TSC | LC | PC | Track | Latitude | Longitude |
|-----|-------|------|--------------------|--------|--------|-------|-----|----|----|-------|-----------|------------|
| 425 | 5296 | | Down Milepost | 425.00 | 0 | 49 | T | 0 | 0 | 5 | 33.115299 | -81.204011 |
| 424 | 5230 | | Down Milepost | 424.00 | 0 | 47 | T | 0 | 0 | 5 | 33.129384 | -81.200756 |
| 423 | 5353 | | Down Milepost | 423.00 | 0 | 37 | T | 0 | 0 | 5 | 33.143792 | -81.197421 |
| 422 | 5325 | | Down Milepost | 422.00 | 0 | 12 | T | 0 | 0 | 5 | 33.157869 | -81.192931 |
| 421 | 5301 | | Down Milepost | 421.00 | 0 | 14 | T | 0 | 0 | 5 | 33.171853 | -81.188238 |
| 420 | 5866 | | Down Milepost | 420.00 | 0 | 17 | T | 0 | 0 | 5 | 33.187319 | -81.183033 |
| 419 | 4710 | | Down Milepost | 419.00 | 0 | 47 | T | 0 | 0 | 5 | 33.199727 | -81.178867 |
| 418 | 5281 | | Down Milepost | 418.00 | 0 | 47 | T | 0 | 0 | 5 | 33.213810 | -81.175103 |
| 418 | 4935 | | Posted Speed | 75.00 | 0 | 47 | T | 0 | 0 | 5 | 33.227330 | -81.175300 |
| 417 | 5294 | | Down Milepost | 417.00 | 0 | 49 | B | 0 | 0 | 5 | 33.228317 | -81.175305 |
| 417 | 1931 | | Posted Speed | 79.00 | 0 | 51 | T | 0 | 0 | 5 | 33.233336 | -81.173576 |
| 416 | 5289 | | Down Milepost | 416.00 | 0 | 50 | T | 0 | 0 | 5 | 33.241587 | -81.168715 |
| 415 | 5318 | | Down Milepost | 415.00 | 0 | 45 | T | 0 | 0 | 5 | 33.254647 | -81.161030 |
| 414 | 5369 | | Down Milepost | 414.00 | 0 | 47 | T | 0 | 0 | 5 | 33.268637 | -81.155718 |
| 413 | 5191 | | Down Milepost | 413.00 | 0 | 47 | T | 0 | 0 | 5 | 33.282327 | -81.151120 |
| 412 | 5329 | | Down Milepost | 412.00 | 0 | 47 | T | 0 | 0 | 5 | 33.296545 | -81.147338 |
| 411 | 5281 | | Down Milepost | 411.00 | 0 | 48 | T | 0 | 0 | 5 | 33.310925 | -81.145425 |
| 410 | 5284 | | Down Milepost | 410.00 | 0 | 42 | T | 0 | 0 | 5 | 33.325320 | -81.143496 |
| 410 | 322 | 57 | R Prof 62 | -1.64 | 8 | 42 | T | 4 | 5 | 5 | 33.326200 | -81.143379 |
| 409 | 5322 | | Down Milepost | 409.00 | 0 | 48 | T | 0 | 0 | 5 | 33.339815 | -81.141562 |
| 408 | 5241 | | Down Milepost | 408.00 | 0 | 50 | T | 0 | 0 | 5 | 33.354088 | -81.139655 |
| 407 | 5303 | | Down Milepost | 407.00 | 0 | 49 | T | 0 | 0 | 5 | 33.368532 | -81.137726 |
| 406 | 5293 | | Down Milepost | 406.00 | 0 | 48 | T | 0 | 0 | 5 | 33.382948 | -81.135800 |
| 405 | 5296 | | Down Milepost | 405.00 | 0 | 48 | T | 0 | 0 | 5 | 33.397368 | -81.133867 |
| 404 | 5294 | | Down Milepost | 404.00 | 0 | 49 | T | 0 | 0 | 5 | 33.411792 | -81.131938 |
| 403 | 3307 | | Down Milepost | 403.00 | 0 | 48 | T | 0 | 0 | 5 | 33.420801 | -81.130720 |
| 403 | 5635 | 62 | R Prof 62 | -1.36 | 1 | 48 | T | 4 | 5 | 5 | 33.436162 | -81.128667 |
| 403 | 5648 | 63 | L Prof 62 | 1.44 | 4 | 48 | T | 4 | 5 | 5 | 33.436197 | -81.128662 |
| 403 | 5664 | 64 | R Prof 62 | 1.43 | 4 | 48 | T | 4 | 5 | 5 | 33.436241 | -81.128656 |
| 400 | 17894 | | Down Milepost | 400.00 | 0 | 46 | T | 0 | 0 | 5 | 33.469548 | -81.124171 |
| 399 | 5199 | | Down Milepost | 399.00 | 0 | 43 | T | 0 | 0 | 5 | 33.483714 | -81.122264 |
| 399 | 3006 | | Posted Speed | 75.00 | 0 | 40 | T | 0 | 0 | 5 | 33.491901 | -81.121157 |
| 399 | 3311 | 65 | Twist 31ft* | 1.00 | 15 | 40 | B | 4 | 5 | 5 | 33.492731 | -81.121037 |
| 398 | 5362 | | Down Milepost | 398.00 | 0 | 38 | T | 0 | 0 | 5 | 33.498174 | -81.119385 |
| 398 | 760 | | Class Change | 3.00 | 0 | 37 | T | 0 | 0 | 5 | 33.500179 | -81.118700 |
| 398 | 760 | | Posted Speed | 60.00 | 0 | 37 | T | 0 | 0 | 5 | 33.500179 | -81.118700 |
| 397 | 5267 | | Down Milepost | 397.00 | 0 | 37 | E | 0 | 0 | 5 | 33.512418 | -81.119076 |
| 397 | 1565 | | Posted Speed | 50.00 | 0 | 34 | T | 0 | 0 | 5 | 33.516638 | -81.118180 |
| 397 | 3319 | | Posted Speed | 60.00 | 0 | 39 | T | 0 | 0 | 5 | 33.521223 | -81.118873 |

Exception Report
Class Plus 1 Exception List Section
Milepost 493 to Milepost 363
Savannah, GA to Columbia, SC

Page 5 of 6
Run Date: 12/07/2016
Run ID: 2016120701

| MP | FT | Seq# | Parameter | Value | Length | Speed | TSC | LC | PC | Track | Latitude | Longitude |
|-----|------|------|--------------------|--------|--------|-------|-----|----|----|-------|-----------|------------|
| 396 | 5299 | | Down Milepost | 396.00 | 0 | 28 | B | 0 | 0 | 5 | 33.525819 | -81.122324 |
| 396 | 4834 | | Posted Speed | 50.00 | 0 | 24 | T | 0 | 0 | 5 | 33.538276 | -81.127645 |
| 395 | 5273 | | Down Milepost | 395.00 | 0 | 24 | B | 0 | 0 | 5 | 33.539435 | -81.128078 |
| 395 | 1320 | | Class Change | 4.00 | 0 | 20 | E | 0 | 0 | 5 | 33.542770 | -81.126960 |
| 395 | 1320 | | Posted Speed | 55.00 | 0 | 20 | E | 0 | 0 | 5 | 33.542770 | -81.126960 |
| 394 | 5328 | | Down Milepost | 394.00 | 0 | 39 | E | 0 | 0 | 5 | 33.551676 | -81.119611 |
| 393 | 5253 | | Down Milepost | 393.00 | 0 | 39 | B | 0 | 0 | 5 | 33.566050 | -81.118652 |
| 393 | 21 | 73 | Twist 31ft* | 0.92 | 8 | 39 | B | 4 | 5 | 5 | 33.566109 | -81.118647 |
| 393 | 2511 | | Class Change | 3.00 | 0 | 39 | T | 0 | 0 | 5 | 33.571562 | -81.114176 |
| 393 | 2511 | | Posted Speed | 60.00 | 0 | 39 | T | 0 | 0 | 5 | 33.571562 | -81.114176 |
| 392 | 5275 | | Down Milepost | 392.00 | 0 | 39 | T | 0 | 0 | 5 | 33.577686 | -81.109117 |
| 391 | 5282 | | Down Milepost | 391.00 | 0 | 38 | T | 0 | 0 | 5 | 33.591747 | -81.105507 |
| 390 | 5313 | | Down Milepost | 390.00 | 0 | 37 | T | 0 | 0 | 5 | 33.606250 | -81.104014 |
| 389 | 5285 | | Down Milepost | 389.00 | 0 | 37 | T | 0 | 0 | 5 | 33.620689 | -81.102550 |
| 388 | 5307 | | Down Milepost | 388.00 | 0 | 39 | T | 0 | 0 | 5 | 33.635183 | -81.101067 |
| 387 | 5285 | | Down Milepost | 387.00 | 0 | 38 | T | 0 | 0 | 5 | 33.649408 | -81.101441 |
| 386 | 5291 | | Down Milepost | 386.00 | 0 | 36 | T | 0 | 0 | 5 | 33.662601 | -81.108657 |
| 385 | 5296 | | Down Milepost | 385.00 | 0 | 39 | T | 0 | 0 | 5 | 33.675988 | -81.115195 |
| 384 | 5293 | | Down Milepost | 384.00 | 0 | 41 | T | 0 | 0 | 5 | 33.690141 | -81.114632 |
| 384 | 5270 | | Posted Speed | 50.00 | 0 | 34 | T | 0 | 0 | 5 | 33.703222 | -81.107303 |
| 383 | 5291 | | Down Milepost | 383.00 | 0 | 34 | T | 0 | 0 | 5 | 33.703278 | -81.107273 |
| 382 | 5268 | | Down Milepost | 382.00 | 0 | 39 | E | 0 | 0 | 5 | 33.715275 | -81.099712 |
| 381 | 5323 | | Down Milepost | 381.00 | 0 | 37 | T | 0 | 0 | 5 | 33.729133 | -81.104910 |
| 380 | 5274 | | Down Milepost | 380.00 | 0 | 38 | T | 0 | 0 | 5 | 33.743226 | -81.103753 |
| 380 | 738 | | Posted Speed | 60.00 | 0 | 37 | T | 0 | 0 | 5 | 33.745146 | -81.104511 |
| 379 | 5196 | | Down Milepost | 379.00 | 0 | 48 | E | 0 | 0 | 5 | 33.756918 | -81.107123 |
| 379 | 423 | | Class Change | 4.00 | 0 | 48 | T | 0 | 0 | 5 | 33.758069 | -81.107068 |
| 379 | 423 | | Posted Speed | 79.00 | 0 | 48 | T | 0 | 0 | 5 | 33.758069 | -81.107068 |
| 378 | 5374 | | Down Milepost | 378.00 | 0 | 46 | T | 0 | 0 | 5 | 33.771638 | -81.106292 |
| 377 | 5294 | | Down Milepost | 377.00 | 0 | 46 | T | 0 | 0 | 5 | 33.786142 | -81.105470 |
| 377 | 4037 | 103 | L Prof 62 | -1.53 | 9 | 45 | T | 4 | 5 | 5 | 33.797188 | -81.104836 |
| 377 | 4041 | 104 | R Prof 62 | -1.73 | 12 | 45 | T | 4 | 5 | 5 | 33.797199 | -81.104835 |
| 376 | 5313 | | Down Milepost | 376.00 | 0 | 42 | T | 0 | 0 | 5 | 33.800695 | -81.104635 |
| 376 | 508 | 105 | Crosslevel | -1.22 | 2 | 42 | T | 4 | 5 | 5 | 33.802086 | -81.104555 |
| 375 | 5530 | | Down Milepost | 375.00 | 0 | 42 | C | 0 | 0 | 5 | 33.815832 | -81.103689 |
| 374 | 4972 | | Down Milepost | 374.00 | 0 | 43 | T | 0 | 0 | 5 | 33.829141 | -81.100161 |
| 373 | 5331 | | Down Milepost | 373.00 | 0 | 44 | T | 0 | 0 | 5 | 33.843317 | -81.095948 |
| 373 | 1766 | | Class Change | 3.00 | 0 | 38 | T | 0 | 0 | 5 | 33.847917 | -81.094144 |
| 373 | 1766 | | Posted Speed | 45.00 | 0 | 38 | T | 0 | 0 | 5 | 33.847917 | -81.094144 |

Exception Report
 Class Plus 1 Exception List Section
 Milepost 493 to Milepost 363
 Savannah, GA to Columbia, SC

| MP | FT | Seq# | Parameter | Value | Length | Speed | TSC | LC | PC | Track | Latitude | Longitude |
|-----|-------|------|---------------|--------|--------|-------|-----|----|----|-------|-----------|------------|
| 372 | 5185 | | Down Milepost | 372.00 | 0 | 39 | C | 0 | 0 | 5 | 33.856605 | -81.096801 |
| 372 | 9192 | | Posted Speed | 40.00 | 0 | 35 | E | 0 | 0 | 5 | 33.870864 | -81.077781 |
| 370 | 10711 | | Down Milepost | 370.00 | 0 | 34 | C | 0 | 0 | 5 | 33.873955 | -81.074649 |
| 370 | 1502 | | Posted Speed | 45.00 | 0 | 33 | E | 0 | 0 | 5 | 33.877184 | -81.077060 |
| 369 | 5267 | | Down Milepost | 369.00 | 0 | 31 | C | 0 | 0 | 5 | 33.885648 | -81.082819 |
| 369 | 451 | | Posted Speed | 60.00 | 0 | 30 | E | 0 | 0 | 5 | 33.886819 | -81.082339 |
| 368 | 5271 | | Down Milepost | 368.00 | 0 | 26 | T | 0 | 0 | 5 | 33.899187 | -81.076890 |
| 367 | 5308 | | Down Milepost | 367.00 | 0 | 21 | T | 0 | 0 | 5 | 33.910135 | -81.066217 |
| 367 | 2404 | | Class Change | 1.00 | 0 | 10 | B | 0 | 0 | 5 | 33.915669 | -81.061927 |
| 367 | 2404 | | Posted Speed | 15.00 | 0 | 10 | B | 0 | 0 | 5 | 33.915669 | -81.061927 |
| 367 | 2499 | | Track Change | 0.00 | 0 | 10 | C | 0 | 0 | 6 | 33.915893 | -81.061766 |
| 367 | 2553 | | Class Change | 2.00 | 0 | 10 | E | 0 | 0 | 6 | 33.916005 | -81.061680 |
| 367 | 2553 | | Posted Speed | 25.00 | 0 | 10 | E | 0 | 0 | 6 | 33.916005 | -81.061680 |
| 366 | 5292 | | Down Milepost | 366.00 | 0 | 12 | T | 0 | 0 | 6 | 33.922796 | -81.057993 |
| 366 | 527 | | Class Change | 1.00 | 0 | 13 | E | 0 | 0 | 6 | 33.924203 | -81.057589 |
| 366 | 527 | | Posted Speed | 15.00 | 0 | 13 | E | 0 | 0 | 6 | 33.924203 | -81.057589 |
| 366 | 704 | | Track Change | 0.00 | 0 | 14 | E | 0 | 0 | 5 | 33.924663 | -81.057432 |
| 366 | 803 | | Class Change | 3.00 | 0 | 15 | T | 0 | 0 | 5 | 33.924925 | -81.057362 |
| 366 | 803 | | Posted Speed | 60.00 | 0 | 15 | T | 0 | 0 | 5 | 33.924925 | -81.057362 |
| 365 | 5291 | | Down Milepost | 365.00 | 0 | 37 | T | 0 | 0 | 5 | 33.936930 | -81.054124 |
| 365 | 3887 | | Posted Speed | 50.00 | 0 | 29 | T | 0 | 0 | 5 | 33.947321 | -81.051319 |
| 364 | 4875 | | Down Milepost | 364.00 | 0 | 23 | C | 0 | 0 | 5 | 33.950001 | -81.050882 |
| 364 | 5049 | | Class Change | 1.00 | 0 | 6 | B | 0 | 0 | 5 | 33.963250 | -81.055661 |
| 364 | 5049 | | Posted Speed | 10.00 | 0 | 6 | B | 0 | 0 | 5 | 33.963250 | -81.055661 |
| 364 | 5088 | | Track Change | 0.00 | 0 | 6 | B | 0 | 0 | 7 | 33.963355 | -81.055700 |
| 363 | 5680 | | Down Milepost | 363.00 | 0 | 6 | T | 0 | 0 | 7 | 33.964912 | -81.056238 |

Notes:

* Federal Track Safety Standard Advisory

+ Maximum curve speed is limited at qualified cant deficiency. However, actual cant deficiency does not exceed 1-inch grace allowed under 49 CFR 213.57(b).

Rail Impact Values are unitless; indicating a location with a large vertical axle acceleration

Rail Cant Exceptions values indicate degrees.

(RSA) indicates possible Rail Seat Abrasion. The following fields are irrelevant for Cant Exceptions: LC, PC

Exception Report
 Class Plus 1 Exception Summary Section
 Milepost 493 to Milepost 363
 Savannah, GA to Columbia, SC

| MP | FT | Wide Gage | | | Tight Gage | | Alignment | | | Crosslevel | | | Rockoff | | | Profile | | | Run Off | | | Warp | | | Twist-31 | | | Lmt Spd | Trk | | |
|-----|-------|-----------|----|------|------------|----|-----------|----|------|------------|----|------|---------|----|------|---------|----|------|---------|----|------|------|-----|------|----------|----|------|---------|-----|-----|-----|
| | | Exc | FT | Drop | Exc | FT | Exc | FT | Drop | Exc | FT | Drop | Exc | FT | Drop | Exc | FT | Drop | Exc | FT | Drop | Exc | FT | Drop | Exc | FT | Drop | Exc | | Lim | Pst |
| 492 | 5408 | - | - | - | - | - | 4 | 35 | - | - | - | - | - | - | - | 1 | 7 | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 1 |
| 491 | 5333 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 40 | 1 | - | - | - | - | 3 | 5 | 1 |
| 491 | 2912 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 62 | - | - | - | - | - | 1 | 2 | 7 |
| 482 | 5253 | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 |
| 480 | 4203 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 31 | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 |
| 465 | 10610 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 |
| 461 | 5298 | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 |
| 452 | 5207 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 16 | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 |
| 427 | 5300 | - | - | - | - | - | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 |
| 410 | 5284 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 8 | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 |
| 403 | 3307 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 9 | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 |
| 399 | 5199 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 15 | - | - | 4 | 5 | 5 |
| 393 | 5253 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 8 | - | - | 4 | 5 | 5 |
| 377 | 5294 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 21 | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 |
| 376 | 5313 | - | - | - | - | - | - | - | - | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 |
| | | - | - | - | - | - | 7 | 39 | - | 1 | 2 | - | - | - | - | 11 | 63 | - | 1 | 31 | - | 2 | 102 | 1 | 2 | 23 | - | - | | | |

Total Miles: 137.10
Exceptions per 100 Miles: 17.51
CY15 National Average Exceptions per 100 miles: 9.9

GRMS Exception Report
 Exception List Section
 Milepost 493 to Milepost 363
 Savannah, GA to Columbia, SC

Page 1 of 1
 Run Date: 12/07/2016
 Run ID: 2016120701

| MP | FT | Parameter | Value | Length | UGage | LGage | PLG | GW | Latitude | Longitude |
|-----|------|--------------|-------|--------|-------|-------|-------|------|-----------|------------|
| 467 | 6432 | GWP Maint* | 0.94 | 11 | 56.28 | 57.28 | 57.92 | 0.94 | 32.528058 | -81.261026 |
| 467 | 6505 | GWP Maint* | 0.75 | 3 | 56.43 | 57.26 | 57.77 | 0.75 | 32.528236 | -81.260926 |
| 467 | 8619 | GWP Maint* | 0.80 | 4 | 56.21 | 57.08 | 57.62 | 0.8 | 32.533474 | -81.257993 |
| 463 | 5228 | PLG24 Maint* | 58.18 | 3 | 56.65 | 57.53 | 58.18 | 0.86 | 32.581211 | -81.248139 |
| 455 | 3363 | PLG24 Maint* | 58.28 | 5 | 56.87 | 57.69 | 58.28 | 0.8 | 32.691977 | -81.243042 |
| 407 | 1423 | PLG24 Maint* | 58.59 | 7 | 56.74 | 57.72 | 58.59 | 1.07 | 33.372400 | -81.137212 |
| 407 | 4043 | PLG24 Maint* | 58.19 | 3 | 56.77 | 57.61 | 58.19 | 0.8 | 33.379539 | -81.136260 |
| 406 | 5005 | GWP Maint* | 0.83 | 4 | 56.52 | 57.39 | 57.99 | 0.83 | 33.396567 | -81.133968 |
| 405 | 317 | GWP Maint* | 0.83 | 4 | 56.47 | 57.31 | 57.92 | 0.83 | 33.398225 | -81.133753 |
| 391 | 1088 | PLG24 Maint* | 58.18 | 6 | 56.89 | 57.67 | 58.18 | 0.76 | 33.594703 | -81.105189 |
| 391 | 3731 | GWP Maint* | 0.80 | 3 | 56.48 | 57.36 | 57.91 | 0.8 | 33.601922 | -81.104455 |

| | | | | |
|--------------------------------|-----------|----------------|-----------|------------------|
| Maintenance: | 53 | Feet at | 11 | Locations |
| PLG24: | 0 | Feet at | 0 | Locations |
| Gage Widening (Safety): | 0 | Feet at | 0 | Locations |
| Gage (Safety): | 0 | Feet at | 0 | Locations |
| Total Exceptions: | 53 | Feet at | 11 | Locations |

Exception Report
Alignment 62 MCO Stations
Milepost 493 to Milepost 363
Savannah, GA to Columbia, SC

Page 1 of 1
Run Date: 12/07/2016
Run ID: 2016120701

| MP | FT | Parameter | Value | Length | Speed | TSC | LC | PC | Track | Latitude | Longitude |
|---|-----------|------------------|--------------|---------------|--------------|------------|-----------|-----------|--------------|-----------------|------------------|
| <hr/> <p>There were no Alignment 62 exceptions detected during this survey.</p> <hr/> | | | | | | | | | | | |