

DOTX 219 Geometry Car
United States Department of Transportation
AUTOMATED TRACK INSPECTION PROGRAM

TRACK GEOMETRY INSPECTION REPORT

Amarillo, TX to Wellington, KS
Railroad: BNSF RAILWAY CO. (BNSF)
Survey Number: 1638
Mile Post 553 to Mile Post 238



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

Prepared by:
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Testing Cert. 2411.01

Approved By:

Survey Director:
CARLOS ALFARO

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 nine (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 553 to Milepost 238
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MP	FT	Seq#	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
0	147		State Line	TX	0	7	C	0	0	7	35.209094	-101.825816
0	148		Railroad	BNSF -	0	7	C	0	0	7	35.209096	-101.825814
0	149		Subdivision	PANHAN	0	7	C	0	0	7	35.209098	-101.825813
0	149		Class Change	3.00	0	7	C	0	0	7	35.209098	-101.825813
0	149		Posted Speed	30.00	0	7	C	0	0	7	35.209098	-101.825813
0	151		Track Change	0.00	0	7	C	0	0	1	35.209103	-101.825809
0	164		Subdivision	HEREFO	0	7	C	0	0	1	35.209132	-101.825784
553	189		Down Milepost	553.00	0	8	C	0	0	1	35.209189	-101.825733
553	240		Concrete Ties Start	0.00	0	7	B	0	0	1	35.209699	-101.825232
553	1062		Class Change	2.00	0	7	C	0	0	1	35.210853	-101.822947
553	1062		Posted Speed	20.00	0	7	C	0	0	1	35.210853	-101.822947
553	1446		Concrete Ties End	0.00	0	13	E	0	0	1	35.210876	-101.821672
553	1999		Track Change	0.00	0	17	C	0	0	2	35.210598	-101.819858
553	2471		Concrete Ties Start	0.00	0	19	T	0	0	2	35.210388	-101.818302
553	3691		Concrete Ties End	0.00	0	19	E	0	0	2	35.210428	-101.814255
553	5362		Class Change	5.00	0	17	C	0	0	2	35.211335	-101.808791
553	5362		Posted Speed	70.00	0	17	C	0	0	2	35.211335	-101.808791
552	5412		Down Milepost	552.00	0	17	E	0	0	2	35.211370	-101.808626
551	5238		Down Milepost	551.00	0	37	T	0	0	2	35.215089	-101.791751
551	631	6	R Prof 62	-1.53	8	39	T	4	5	2	35.215528	-101.789727
551	2490		Subdivision	PANHAN	0	45	T	0	0	2	35.216850	-101.783739
550	5290		Down Milepost	550.00	0	48	T	0	0	2	35.218837	-101.774717
549	5413		Down Milepost	6.00	0	43	T	0	0	2	35.222676	-101.757284
548	5262		Down Milepost	548.00	0	44	T	0	0	2	35.226404	-101.740341
547	5257		Down Milepost	547.00	0	42	T	0	0	2	35.230541	-101.723558
546	5278		Down Milepost	546.00	0	38	T	0	0	2	35.235635	-101.707084
545	5279		Down Milepost	545.00	0	43	T	0	0	2	35.240724	-101.690606
544	5244		Down Milepost	544.00	0	42	T	0	0	2	35.245779	-101.674238
542	10771		Down Milepost	542.00	0	54	T	0	0	2	35.256166	-101.640617
541	5206		Down Milepost	541.00	0	54	T	0	0	2	35.261185	-101.624365
541	1624		Class Change	4.00	0	55	T	0	0	2	35.262751	-101.619297
541	2240		Class Change	5.00	0	55	T	0	0	2	35.263344	-101.617374
540	5549		Down Milepost	540.00	0	52	T	0	0	2	35.266535	-101.607037
539	5039		Down Milepost	539.00	0	20	T	0	0	2	35.271389	-101.591304
538	5663		Down Milepost	538.00	0	65	T	0	0	2	35.276848	-101.573612
537	4941		Down Milepost	537.00	0	70	T	0	0	2	35.281607	-101.558180
535	10565		Down Milepost	535.00	0	66	T	0	0	2	35.291786	-101.525180
534	5341		Down Milepost	534.00	0	62	T	0	0	2	35.296935	-101.508498
533	5290		Down Milepost	533.00	0	63	T	0	0	2	35.302044	-101.491976

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MP	FT	Seq#	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
532	5291		Down Milepost	532.00	0	67	T	0	0	2	35.307159	-101.475451
531	5328		Down Milepost	531.00	0	67	T	0	0	2	35.312312	-101.458813
530	5272		Down Milepost	530.00	0	52	T	0	0	2	35.317413	-101.442348
529	5312		Down Milepost	529.00	0	34	T	0	0	2	35.322547	-101.425757
529	1684		Class Change	2.00	0	24	T	0	0	2	35.324173	-101.420499
529	1684		Posted Speed	25.00	0	24	T	0	0	2	35.324173	-101.420499
529	3349		Class Change	5.00	0	22	T	0	0	2	35.325782	-101.415294
529	3349		Posted Speed	70.00	0	22	T	0	0	2	35.325782	-101.415294
528	5310		Down Milepost	528.00	0	40	T	0	0	2	35.327675	-101.409165
527	5292		Down Milepost	527.00	0	68	T	0	0	2	35.333750	-101.393169
526	5288		Down Milepost	4.00	0	66	T	0	0	2	35.340904	-101.377809
525	5317		Down Milepost	525.00	0	67	T	0	0	2	35.348112	-101.362383
524	5275		Down Milepost	524.00	0	68	T	0	0	2	35.355250	-101.347068
523	5291		Down Milepost	523.00	0	68	T	0	0	2	35.362410	-101.331702
522	5311		Down Milepost	522.00	0	68	T	0	0	2	35.369593	-101.316278
521	5306		Down Milepost	521.00	0	68	T	0	0	2	35.376770	-101.300868
520	5298		Down Milepost	520.00	0	66	T	0	0	2	35.383932	-101.285479
519	5313		Down Milepost	519.00	0	67	T	0	0	2	35.391113	-101.270044
518	5281		Down Milepost	518.00	0	69	T	0	0	2	35.398250	-101.254698
517	5288		Down Milepost	517.00	0	68	T	0	0	2	35.405398	-101.239321
516	5315		Down Milepost	516.00	0	67	T	0	0	2	35.412583	-101.223864
515	5282		Down Milepost	515.00	0	67	T	0	0	2	35.419721	-101.208496
515	2251		Class Change	5.00	0	66	T	0	0	2	35.422760	-101.201952
515	9802		Class Change	4.00	0	59	T	0	0	2	35.432956	-101.179988
515	9802		Posted Speed	60.00	0	59	T	0	0	2	35.432956	-101.179988
515	10559		Class Change	5.00	0	59	T	0	0	2	35.433973	-101.177783
515	10559		Posted Speed	70.00	0	59	T	0	0	2	35.433973	-101.177783
512	15866		Down Milepost	512.00	0	67	T	0	0	2	35.441132	-101.162345
511	5337		Down Milepost	511.00	0	69	T	0	0	2	35.448327	-101.146813
510	5288		Down Milepost	510.00	0	68	T	0	0	2	35.455457	-101.131419
509	5318		Down Milepost	509.00	0	68	T	0	0	2	35.462626	-101.115930
508	5286		Down Milepost	508.00	0	67	T	0	0	2	35.469751	-101.100531
507	5279		Down Milepost	507.00	0	68	T	0	0	2	35.476866	-101.085148
506	5324		Down Milepost	506.00	0	67	T	0	0	2	35.484041	-101.069633
505	5397		Down Milepost	505.00	0	48	T	0	0	2	35.491307	-101.053913
505	1032		Class Change	4.00	0	45	T	0	0	2	35.492695	-101.050910
505	1032		Posted Speed	60.00	0	45	T	0	0	2	35.492695	-101.050910
505	1678		Class Change	5.00	0	45	T	0	0	2	35.493565	-101.049027
505	1678		Posted Speed	70.00	0	45	T	0	0	2	35.493565	-101.049027

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MP	FT	Seq#	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
504	5170		Down Milepost	8.00	0	42	T	0	0	2	35.498266	-101.038850
503	5379		Down Milepost	503.00	0	29	T	0	0	2	35.505504	-101.023176
502	5290		Down Milepost	502.00	0	28	T	0	0	2	35.512622	-101.007758
501	5287		Down Milepost	501.00	0	43	T	0	0	2	35.519716	-100.992334
500	5274		Down Milepost	500.00	0	68	T	0	0	2	35.526821	-100.976958
499	5272		Down Milepost	499.00	0	69	T	0	0	2	35.533892	-100.961571
498	5321		Down Milepost	498.00	0	69	T	0	0	2	35.541050	-100.946056
497	5291		Down Milepost	497.00	0	69	C	0	0	2	35.548283	-100.930720
496	5339		Down Milepost	496.00	0	67	T	0	0	2	35.558242	-100.917758
496	609		Concrete Ties Start	0.00	0	67	T	0	0	2	35.559582	-100.916552
494	10549		Down Milepost	494.00	0	69	T	0	0	2	35.575887	-100.892011
493	5313		Down Milepost	493.00	0	68	T	0	0	2	35.584698	-100.877965
492	5411		Down Milepost	492.00	0	67	T	0	0	2	35.591763	-100.862047
492	344		Concrete Ties End	0.00	0	68	B	0	0	2	35.592180	-100.861020
491	5164		Down Milepost	491.00	0	68	C	0	0	2	35.593541	-100.845130
490	5310		Down Milepost	490.00	0	67	C	0	0	2	35.603814	-100.833318
489	5272		Down Milepost	8.00	0	68	C	0	0	2	35.610512	-100.817707
488	5349		Down Milepost	488.00	0	69	T	0	0	2	35.618452	-100.802779
487	5243		Down Milepost	487.00	0	69	T	0	0	2	35.624998	-100.787224
486	5319		Down Milepost	486.00	0	68	T	0	0	2	35.633964	-100.773487
485	5693		Down Milepost	8.00	0	70	C	0	0	2	35.639880	-100.755893
484	4883		Down Milepost	484.00	0	69	C	0	0	2	35.641353	-100.739617
483	5626		Down Milepost	483.00	0	69	T	0	0	2	35.643887	-100.721019
482	4995		Down Milepost	482.00	0	68	C	0	0	2	35.647999	-100.705104
481	5225		Down Milepost	481.00	0	64	T	0	0	2	35.651172	-100.688030
481	559		Posted Speed	65.00	0	63	T	0	0	2	35.651487	-100.686200
481	925		Concrete Ties Start	0.00	0	63	B	0	0	2	35.651705	-100.685001
481	5221		Concrete Ties End	0.00	0	65	T	0	0	2	35.659449	-100.674752
480	5354		Down Milepost	480.00	0	65	T	0	0	2	35.659790	-100.674579
480	3774		Concrete Ties Start	0.00	0	64	T	0	0	2	35.669322	-100.669722
479	5486		Down Milepost	479.00	0	64	C	0	0	2	35.673315	-100.666809
478	5075		Down Milepost	478.00	0	60	T	0	0	2	35.683006	-100.654912
478	805		Class Change	4.00	0	59	T	0	0	2	35.684568	-100.653012
478	805		Posted Speed	60.00	0	59	T	0	0	2	35.684568	-100.653012
478	5078		Concrete Ties End	0.00	0	58	E	0	0	2	35.690791	-100.641010
477	5288		Down Milepost	477.00	0	59	T	0	0	2	35.691165	-100.640470
477	3565		Class Change	5.00	0	58	S	0	0	2	35.697304	-100.631189
477	3565		Posted Speed	70.00	0	58	S	0	0	2	35.697304	-100.631189
476	5558		Down Milepost	476.00	0	60	T	0	0	2	35.700200	-100.625517

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475	5183		Down Milepost	475.00	0	67	T	0	0	2	35.709064	-100.612104
474	5120		Down Milepost	474.00	0	67	T	0	0	2	35.719320	-100.600399
473	5329		Down Milepost	473.00	0	68	T	0	0	2	35.729270	-100.587436
472	5281		Down Milepost	472.00	0	68	T	0	0	2	35.736956	-100.572427
471	5322		Down Milepost	471.00	0	60	T	0	0	2	35.742812	-100.556085
469	3825		Down Milepost	469.00	0	60	C	0	0	2	35.756773	-100.524916
469	1049		Class Change	4.00	0	59	E	0	0	2	35.759199	-100.523058
469	1883		Class Change	5.00	0	59	T	0	0	2	35.761274	-100.521892
468	5250		Down Milepost	468.00	0	66	T	0	0	2	35.769661	-100.517203
467	5255		Down Milepost	467.00	0	67	T	0	0	2	35.782744	-100.509884
466	5373		Down Milepost	466.00	0	65	T	0	0	2	35.795909	-100.501841
466	4709		Class Change	4.00	0	59	T	0	0	2	35.807407	-100.494710
466	4709		Posted Speed	60.00	0	59	T	0	0	2	35.807407	-100.494710
465	5304		Down Milepost	465.00	0	58	B	0	0	2	35.808867	-100.493813
465	81		Concrete Ties Start	0.00	0	58	C	0	0	2	35.809068	-100.493704
465	1223		Class Change	5.00	0	58	E	0	0	2	35.812104	-100.492870
465	1223		Posted Speed	70.00	0	58	E	0	0	2	35.812104	-100.492870
465	2011		Concrete Ties End	0.00	0	58	T	0	0	2	35.814255	-100.492650
464	5262		Down Milepost	464.00	0	59	T	0	0	2	35.823039	-100.490915
463	5273		Down Milepost	463.00	0	48	T	0	0	2	35.836704	-100.485683
462	5161		Down Milepost	462.00	0	29	B	0	0	2	35.848556	-100.476237
461	5446		Down Milepost	461.00	0	22	T	0	0	2	35.857535	-100.461833
460	5345		Down Milepost	460.00	0	35	T	0	0	2	35.868076	-100.449712
459	5302		Down Milepost	459.00	0	38	T	0	0	2	35.876835	-100.435586
458	5279		Down Milepost	458.00	0	40	E	0	0	2	35.885292	-100.421264
457	5490		Down Milepost	457.00	0	43	T	0	0	2	35.896413	-100.408847
456	5065		Down Milepost	456.00	0	44	T	0	0	2	35.906671	-100.397389
455	5345		Down Milepost	455.00	0	57	T	0	0	2	35.917495	-100.385297
455	2469		Concrete Ties Start	0.00	0	60	T	0	0	2	35.922490	-100.379715
455	4293		Concrete Ties End	0.00	0	61	E	0	0	2	35.926675	-100.376457
454	5303		Down Milepost	454.00	0	61	T	0	0	2	35.929281	-100.375313
454	2591		Concrete Ties Start	0.00	0	64	T	0	0	2	35.935958	-100.372388
454	3946		Concrete Ties End	0.00	0	68	C	0	0	2	35.939275	-100.370393
454	4368		Concrete Ties Start	0.00	0	68	C	0	0	2	35.940155	-100.369475
453	5377		Down Milepost	453.00	0	69	C	0	0	2	35.941833	-100.366789
452	5491		Down Milepost	7.00	0	66	T	0	0	2	35.940765	-100.348872
452	4102		Class Change	4.00	0	58	T	0	0	2	35.938036	-100.335485
452	4102		Posted Speed	60.00	0	58	T	0	0	2	35.938036	-100.335485
451	5051		Down Milepost	451.00	0	57	C	0	0	2	35.937621	-100.332333

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MP	FT	Seq#	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
451	2509		Class Change	5.00	0	54	T	0	0	2	35.940049	-100.324588
451	2509		Posted Speed	70.00	0	54	T	0	0	2	35.940049	-100.324588
451	4614		Posted Speed	65.00	0	52	T	0	0	2	35.943036	-100.318529
450	3508		Down Milepost	450.00	0	52	C	0	0	2	35.943925	-100.316766
450	4466		Concrete Ties Start	0.00	0	48	C	0	0	2	35.953708	-100.308329
449	5247		Down Milepost	449.00	0	50	T	0	0	2	35.955756	-100.307557
448	5253		Down Milepost	448.00	0	55	T	0	0	2	35.968642	-100.300061
447	5304		Down Milepost	447.00	0	50	T	0	0	2	35.982051	-100.294201
446	5382		Down Milepost	446.00	0	56	C	0	0	2	35.996367	-100.291009
446	1750		Posted Speed	70.00	0	53	E	0	0	2	35.999025	-100.286214
445	5160		Down Milepost	445.00	0	47	T	0	0	2	36.002133	-100.275374
444	5345		Down Milepost	444.00	0	50	T	0	0	2	36.010149	-100.260458
443	5264		Down Milepost	443.00	0	49	T	0	0	2	36.019006	-100.246463
442	5313		Down Milepost	442.00	0	51	T	0	0	2	36.027945	-100.232335
441	5267		Down Milepost	441.00	0	46	E	0	0	2	36.036666	-100.218205
440	5283		Down Milepost	440.00	0	56	T	0	0	2	36.043734	-100.202667
439	5359		Down Milepost	439.00	0	32	T	0	0	2	36.050900	-100.186899
439	3506		Concrete Ties End	0.00	0	44	T	0	0	2	36.055583	-100.176587
439	3767		Concrete Ties Start	0.00	0	48	T	0	0	2	36.055932	-100.175818
439	4436		Concrete Ties End	0.00	0	55	C	0	0	2	36.056828	-100.173851
438	5279		Down Milepost	438.00	0	61	T	0	0	2	36.057976	-100.171384
437	5286		Down Milepost	437.00	0	69	T	0	0	2	36.065032	-100.155832
437	1082	76	R Align 31	0.65	2	69	B	4	5	2	36.066472	-100.152651
437	1388	77	R Align 62	0.83	12	69	B	4	5	2	36.066872	-100.151744
436	5298		Down Milepost	436.00	0	69	T	0	0	2	36.070772	-100.139472
436	597		Concrete Ties Start	0.00	0	69	T	0	0	2	36.071352	-100.137595
435	4938		Down Milepost	435.00	0	68	T	0	0	2	36.075585	-100.123913
434	5624		Down Milepost	434.00	0	69	T	0	0	2	36.083483	-100.107858
433	5307		Down Milepost	433.00	0	66	B	0	0	2	36.092754	-100.094085
433	5557		Class Change	4.00	0	55	T	0	0	2	36.099776	-100.077497
433	5557		Posted Speed	60.00	0	55	T	0	0	2	36.099776	-100.077497
432	5621		Down Milepost	432.00	0	55	T	0	0	2	36.099854	-100.077300
432	485		Class Change	5.00	0	55	T	0	0	2	36.100440	-100.075835
432	485		Posted Speed	70.00	0	55	T	0	0	2	36.100440	-100.075835
431	4967		Down Milepost	431.00	0	69	T	0	0	2	36.105852	-100.062267
430	5314		Down Milepost	430.00	0	69	T	0	0	2	36.110685	-100.045425
430	4885		Concrete Ties End	0.00	0	67	T	0	0	2	36.115477	-100.030166
429	5298		Down Milepost	429.00	0	67	T	0	0	2	36.116078	-100.028983
428	5264		Down Milepost	428.00	0	69	T	0	0	2	36.123713	-100.013927

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MP	FT	Seq#	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
428	4334		State Line	OK	0	68	T	0	0	2	36.127840	-100.000419
427	5303		Down Milepost	427.00	0	69	T	0	0	2	36.128271	-99.997190
427	886		Concrete Ties Start	0.00	0	68	T	0	0	2	36.128666	-99.994245
426	5294		Down Milepost	426.00	0	68	T	0	0	2	36.133372	-99.980979
426	1050	83	Twist 31ft*	0.91	2	68	B	4	5	2	36.135350	-99.978408
425	5325		Down Milepost	425.00	0	70	C	0	0	2	36.144485	-99.970067
424	5306		Down Milepost	424.00	0	69	T	0	0	2	36.158320	-99.966504
423	5258		Down Milepost	423.00	0	68	C	0	0	2	36.171544	-99.959758
422	5294		Down Milepost	422.00	0	69	T	0	0	2	36.181869	-99.947481
422	2940		Concrete Ties End	0.00	0	67	T	0	0	2	36.188593	-99.942034
421	5391		Down Milepost	421.00	0	68	T	0	0	2	36.194199	-99.937488
420	5348		Down Milepost	420.00	0	69	C	0	0	2	36.206415	-99.927549
419	5283		Down Milepost	419.00	0	69	C	0	0	2	36.217705	-99.916429
418	2086		Down Milepost	418.00	0	69	T	0	0	2	36.230776	-99.909434
417	5338		Down Milepost	417.00	0	69	C	0	0	2	36.244281	-99.902562
416	5313		Down Milepost	416.00	0	69	T	0	0	2	36.258622	-99.899631
415	5189		Down Milepost	415.00	0	70	T	0	0	2	36.270642	-99.891252
414	5294		Down Milepost	414.00	0	48	C	0	0	2	36.280154	-99.877753
413	5383		Down Milepost	413.00	0	43	T	0	0	2	36.285691	-99.861000
412	5238		Down Milepost	412.00	0	30	T	0	0	2	36.290063	-99.844142
411	5356		Down Milepost	411.00	0	16	T	0	0	2	36.294531	-99.826901
410	5240		Down Milepost	410.00	0	67	T	0	0	2	36.298899	-99.810030
409	5243		Down Milepost	409.00	0	69	T	0	0	2	36.303961	-99.793488
409	3152		Concrete Ties Start	0.00	0	69	T	0	0	2	36.307835	-99.783972
409	3352		Concrete Ties End	0.00	0	69	T	0	0	2	36.308081	-99.783368
408	5368		Down Milepost	408.00	0	68	T	0	0	2	36.310561	-99.777276
407	5358		Down Milepost	407.00	0	69	T	0	0	2	36.317319	-99.761203
406	5205		Down Milepost	406.00	0	67	T	0	0	2	36.324154	-99.745762
405	5391		Down Milepost	405.00	0	53	T	0	0	2	36.331230	-99.729766
404	5231		Down Milepost	404.00	0	39	T	0	0	2	36.338091	-99.714241
403	5318		Down Milepost	403.00	0	28	T	0	0	2	36.345062	-99.698453
402	5324		Down Milepost	402.00	0	38	T	0	0	2	36.352036	-99.682644
402	2741		Class Change	4.00	0	49	T	0	0	2	36.355620	-99.674504
402	2839	98	R Align 62	-1.63	2	48	B	3	4	2	36.355749	-99.674213
402	3525		Track Change	0.00	0	49	C	0	0	1	36.356707	-99.672213
402	3578		Class Change	5.00	0	49	E	0	0	1	36.356778	-99.672057
402	3929		Concrete Ties Start	0.00	0	50	T	0	0	1	36.357237	-99.671012
401	5284		Down Milepost	401.00	0	55	T	0	0	1	36.359011	-99.666980
400	5263		Down Milepost	400.00	0	69	T	0	0	1	36.365897	-99.651330

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MP	FT	Seq#	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
399	5334		Down Milepost	399.00	0	69	T	0	0	1	36.372870	-99.635462
398	5241		Down Milepost	398.00	0	69	T	0	0	1	36.379716	-99.619868
397	5349		Down Milepost	397.00	0	67	T	0	0	1	36.386698	-99.603945
396	5315		Down Milepost	396.00	0	68	T	0	0	1	36.393634	-99.588122
395	5356		Down Milepost	395.00	0	69	T	0	0	1	36.400625	-99.572175
395	4211		Concrete Ties End	0.00	0	65	E	0	0	1	36.406059	-99.559601
394	5234		Down Milepost	394.00	0	64	T	0	0	1	36.407393	-99.556552
393	5310		Down Milepost	393.00	0	54	T	0	0	1	36.415020	-99.541306
392	5310		Down Milepost	392.00	0	54	T	0	0	1	36.423148	-99.526498
392	1680		Concrete Ties Start	0.00	0	54	T	0	0	1	36.425121	-99.521368
391	5287		Down Milepost	391.00	0	47	T	0	0	1	36.430121	-99.510830
391	988		Class Change	4.00	0	48	T	0	0	1	36.431544	-99.507986
391	1802		Class Change	5.00	0	48	C	0	0	1	36.432657	-99.505596
391	1986		Track Change	0.00	0	49	T	0	0	2	36.432922	-99.505066
391	2312		Concrete Ties End	0.00	0	49	T	0	0	2	36.433391	-99.504128
390	5281		Down Milepost	390.00	0	48	T	0	0	2	36.437667	-99.495576
390	612		Class Change	4.00	0	48	B	0	0	2	36.438547	-99.493818
390	612		Posted Speed	50.00	0	48	B	0	0	2	36.438547	-99.493818
389	5319		Down Milepost	389.00	0	50	T	0	0	2	36.449085	-99.484985
388	5256		Down Milepost	388.00	0	47	T	0	0	2	36.450085	-99.471696
387	5272		Down Milepost	387.00	0	49	B	0	0	2	36.437496	-99.462966
386	5310		Down Milepost	386.00	0	39	T	0	0	2	36.438491	-99.447538
386	3241		Class Change	5.00	0	42	E	0	0	2	36.441614	-99.437509
386	3241		Posted Speed	79.00	0	42	E	0	0	2	36.441614	-99.437509
386	3986		Posted Speed	70.00	0	44	T	0	0	2	36.441559	-99.434987
385	5364		Down Milepost	385.00	0	45	T	0	0	2	36.441455	-99.430319
385	4677		Class Change	4.00	0	26	T	0	0	2	36.441104	-99.414487
385	4677		Posted Speed	50.00	0	26	T	0	0	2	36.441104	-99.414487
384	5288		Down Milepost	384.00	0	21	B	0	0	2	36.441050	-99.412414
383	5282		Down Milepost	383.00	0	47	C	0	0	2	36.437972	-99.394946
383	437		Class Change	5.00	0	48	T	0	0	2	36.437817	-99.393480
383	437		Posted Speed	70.00	0	48	T	0	0	2	36.437817	-99.393480
381	10153		Down Milepost	381.00	0	67	T	0	0	2	36.434210	-99.359231
380	5269		Down Milepost	380.00	0	67	T	0	0	2	36.432504	-99.341524
380	4279		Class Change	4.00	0	63	C	0	0	2	36.431467	-99.327096
380	4279		Posted Speed	65.00	0	63	C	0	0	2	36.431467	-99.327096
379	5288		Down Milepost	379.00	0	64	E	0	0	2	36.432015	-99.323755
379	1630		Class Change	5.00	0	67	T	0	0	2	36.433413	-99.318517
379	1630		Posted Speed	70.00	0	67	T	0	0	2	36.433413	-99.318517

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MP	FT	Seq#	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
378	5320		Down Milepost	378.00	0	69	C	0	0	2	36.436290	-99.306552
377	5276		Down Milepost	377.00	0	68	T	0	0	2	36.437045	-99.288705
376	5351		Down Milepost	376.00	0	69	T	0	0	2	36.437762	-99.270606
375	5289		Down Milepost	375.00	0	68	T	0	0	2	36.438467	-99.252719
374	5296		Down Milepost	374.00	0	70	T	0	0	2	36.439171	-99.234805
373	2460		Down Milepost	373.00	0	70	T	0	0	2	36.439498	-99.226484
372	5289		Down Milepost	372.00	0	70	T	0	0	2	36.440199	-99.208594
371	5323		Down Milepost	371.00	0	70	T	0	0	2	36.440900	-99.190587
370	5293		Down Milepost	3.00	0	69	T	0	0	2	36.441597	-99.172681
368	5298		Down Milepost	368.00	0	68	T	0	0	2	36.442294	-99.154755
367	5288		Down Milepost	367.00	0	70	T	0	0	2	36.442939	-99.136858
366	5242		Down Milepost	366.00	0	69	T	0	0	2	36.443034	-99.119118
366	714		Concrete Ties Start	0.00	0	68	T	0	0	2	36.442928	-99.116707
365	5365		Down Milepost	365.00	0	69	T	0	0	2	36.445470	-99.101563
364	5251		Down Milepost	364.00	0	69	C	0	0	2	36.451782	-99.085588
363	5362		Down Milepost	363.00	0	69	T	0	0	2	36.450398	-99.067979
362	5267		Down Milepost	362.00	0	66	C	0	0	2	36.450460	-99.050707
362	3359		Concrete Ties End	0.00	0	47	T	0	0	2	36.456596	-99.042428
361	5305		Down Milepost	361.00	0	43	T	0	0	2	36.460964	-99.038655
361	87		Concrete Ties Start	0.00	0	43	T	0	0	2	36.461158	-99.038487
360	5307		Down Milepost	360.00	0	53	T	0	0	2	36.472870	-99.028360
359	5290		Down Milepost	359.00	0	60	B	0	0	2	36.484736	-99.018094
359	3229		Concrete Ties End	0.00	0	57	T	0	0	2	36.491112	-99.010542
358	5349		Down Milepost	358.00	0	51	T	0	0	2	36.495027	-99.005235
357	5234		Down Milepost	357.00	0	43	C	0	0	2	36.500241	-98.989317
356	5294		Down Milepost	356.00	0	52	C	0	0	2	36.499219	-98.971412
356	1718		Concrete Ties Start	0.00	0	52	T	0	0	2	36.498049	-98.965791
355	4984		Down Milepost	355.00	0	47	C	0	0	2	36.495834	-98.955125
354	5615		Down Milepost	354.00	0	48	C	0	0	2	36.502497	-98.938794
353	5345		Down Milepost	353.00	0	54	C	0	0	2	36.516448	-98.936149
353	1485		Concrete Ties End	0.00	0	54	T	0	0	2	36.520158	-98.938188
352	5262		Down Milepost	352.00	0	46	T	0	0	2	36.529606	-98.943332
351	5308		Down Milepost	351.00	0	60	T	0	0	2	36.544042	-98.944421
350	1140		Down Milepost	350.00	0	66	T	0	0	2	36.547164	-98.944395
349	5234		Down Milepost	349.00	0	68	C	0	0	2	36.559160	-98.936534
348	5368		Down Milepost	348.00	0	65	T	0	0	2	36.562809	-98.918959
347	5322		Down Milepost	347.00	0	43	T	0	0	2	36.567544	-98.902084
346	5279		Down Milepost	346.00	0	48	C	0	0	2	36.576697	-98.888332
345	5301		Down Milepost	345.00	0	30	T	0	0	2	36.589725	-98.880541

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MP	FT	Seq#	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
345	5271		Class Change	4.00	0	29	T	0	0	2	36.603386	-98.874804
345	5271		Posted Speed	60.00	0	29	T	0	0	2	36.603386	-98.874804
344	5307		Up Milepost	345.00	0	29	T	0	0	2	36.603483	-98.874764
344	1952		Class Change	5.00	0	29	T	0	0	2	36.608305	-98.871975
344	1952		Posted Speed	70.00	0	29	T	0	0	2	36.608305	-98.871975
343	5306		Down Milepost	343.00	0	39	T	0	0	2	36.616058	-98.865889
343	2515	173	L Prof 62	-1.44	4	46	T	4	5	2	36.621696	-98.861003
342	5260		Down Milepost	8.00	0	50	T	0	0	2	36.627850	-98.855644
341	5317		Down Milepost	341.00	0	47	T	0	0	2	36.639790	-98.845324
341	564		Concrete Ties Start	0.00	0	45	T	0	0	2	36.641053	-98.844231
340	5313		Down Milepost	340.00	0	29	T	0	0	2	36.651718	-98.835013
340	4175		Concrete Ties End	0.00	0	25	T	0	0	2	36.661092	-98.826909
339	5288		Down Milepost	339.00	0	24	T	0	0	2	36.663546	-98.824659
338	5306		Down Milepost	338.00	0	29	T	0	0	2	36.675043	-98.813636
338	2024	179	L Cant POS*(141RE)	5.20	18	29	T		5	2	36.679425	-98.809430
338	2613	180	L Cant POS*(141RE)	5.50	16	28	T		5	2	36.680701	-98.808207
337	5278		Down Milepost	337.00	0	29	T	0	0	2	36.686472	-98.802667
337	4434		Class Change	4.00	0	25	C	0	0	2	36.696196	-98.793673
337	4434		Posted Speed	60.00	0	25	C	0	0	2	36.696196	-98.793673
336	5307		Down Milepost	336.00	0	24	T	0	0	2	36.698336	-98.792343
336	985		Class Change	5.00	0	17	T	0	0	2	36.700756	-98.790873
336	985		Posted Speed	70.00	0	17	T	0	0	2	36.700756	-98.790873
336	4337		Concrete Ties Start	0.00	0	30	T	0	0	2	36.708776	-98.785356
335	5285		Down Milepost	335.00	0	29	T	0	0	2	36.710909	-98.783512
334	5288		Down Milepost	334.00	0	29	T	0	0	2	36.722621	-98.772928
333	5300		Down Milepost	333.00	0	28	T	0	0	2	36.734005	-98.761712
332	5290		Down Milepost	332.00	0	29	T	0	0	2	36.745370	-98.750515
331	5282		Down Milepost	331.00	0	23	T	0	0	2	36.757188	-98.740134
330	5288		Down Milepost	330.00	0	41	T	0	0	2	36.769226	-98.730074
330	3595		Concrete Ties End	0.00	0	47	T	0	0	2	36.777408	-98.723274
329	5265		Down Milepost	329.00	0	47	T	0	0	2	36.781206	-98.720096
329	5105		Class Change	4.00	0	42	T	0	0	2	36.791416	-98.708281
329	5105		Posted Speed	55.00	0	42	T	0	0	2	36.791416	-98.708281
328	5323		Down Milepost	328.00	0	41	T	0	0	2	36.791834	-98.707747
327	5302		Down Milepost	327.00	0	30	C	0	0	2	36.805472	-98.703280
326	5218		Down Milepost	326.00	0	22	T	0	0	2	36.814241	-98.690395
326	2493	208	R Align 62	-1.80	17	38	C	2	4	2	36.813368	-98.682035
326	2496	207	L Align 62	-1.74	14	38	C	3	4	2	36.813366	-98.682025
326	2871		Track Change	0.00	0	42	E	0	0	5	36.813138	-98.680778

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MP	FT	Seq#	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
325	5260		Down Milepost	325.00	0	46	T	0	0	5	36.810872	-98.673150
325	3321		Class Change	3.00	0	37	C	0	0	5	36.811810	-98.662737
325	3321		Posted Speed	40.00	0	37	C	0	0	5	36.811810	-98.662737
325	4638		Class Change	4.00	0	38	T	0	0	5	36.814944	-98.660583
325	4638		Posted Speed	55.00	0	38	T	0	0	5	36.814944	-98.660583
324	5220		Down Milepost	324.00	0	41	T	0	0	5	36.816424	-98.659839
324	2874		Class Change	5.00	0	53	E	0	0	5	36.821630	-98.653025
324	2874		Posted Speed	70.00	0	53	E	0	0	5	36.821630	-98.653025
323	5345		Down Milepost	323.00	0	49	T	0	0	5	36.823620	-98.644982
323	80	222	L Prof 62	-1.39	2	49	T	4	5	5	36.823683	-98.644729
323	80	221	R Prof 62	-1.40	2	49	T	4	5	5	36.823683	-98.644729
323	1275		Class Change	4.00	0	48	B	0	0	5	36.824652	-98.640839
323	1275		Posted Speed	50.00	0	48	B	0	0	5	36.824652	-98.640839
323	1404		Track Change	0.00	0	48	C	0	0	2	36.824754	-98.640419
323	1584		Concrete Ties Start	0.00	0	48	T	0	0	2	36.824882	-98.639827
323	1952		Class Change	5.00	0	49	C	0	0	2	36.825138	-98.638613
323	1952		Posted Speed	70.00	0	49	C	0	0	2	36.825138	-98.638613
322	5313		Down Milepost	322.00	0	63	T	0	0	2	36.828179	-98.627823
321	5239		Down Milepost	321.00	0	71	T	0	0	2	36.837163	-98.614406
320	5307		Down Milepost	320.00	0	70	T	0	0	2	36.849957	-98.605818
319	5292		Down Milepost	319.00	0	68	T	0	0	2	36.862714	-98.597249
318	5295		Down Milepost	2.00	0	70	T	0	0	2	36.875495	-98.588717
318	305		Concrete Ties End	0.00	0	69	B	0	0	2	36.876239	-98.588248
317	5296		Down Milepost	317.00	0	68	T	0	0	2	36.888268	-98.580173
316	5300		Down Milepost	316.00	0	68	T	0	0	2	36.901030	-98.571591
315	5294		Down Milepost	315.00	0	70	T	0	0	2	36.913780	-98.563014
314	5298		Down Milepost	314.00	0	68	T	0	0	2	36.926540	-98.554429
313	5305		Down Milepost	313.00	0	69	T	0	0	2	36.939313	-98.545829
313	1190		Class Change	3.00	0	69	T	0	0	2	36.942173	-98.543904
313	2079		Class Change	5.00	0	69	T	0	0	2	36.944316	-98.542462
313	2557	235	L Prof 62	-1.57	5	69	T	4	5	2	36.945467	-98.541687
313	2557	234	R Prof 62	-1.54	4	69	T	4	5	2	36.945467	-98.541687
312	5302		Down Milepost	312.00	0	69	C	0	0	2	36.952083	-98.537240
312	3259	236	L Prof 62	-1.62	9	69	T	4	5	2	36.960012	-98.532152
311	5292		Down Milepost	311.00	0	69	T	0	0	2	36.964962	-98.528977
310	5294		Down Milepost	310.00	0	69	T	0	0	2	36.977845	-98.520707
309	5298		Down Milepost	309.00	0	69	T	0	0	2	36.989709	-98.510581
309	4407		State Line	KS	0	68	T	0	0	2	36.999953	-98.502779
308	5286		Down Milepost	308.00	0	68	T	0	0	2	37.002088	-98.501391

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Milepost 553 to Milepost 238
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Run Date: 06/10/2016
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MP	FT	Seq#	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
308	3783	237	R Prof 62	-1.48	6	69	T	4	5	2	37.011203	-98.495278
307	5176		Down Milepost	307.00	0	69	T	0	0	2	37.014587	-98.493079
306	5429		Down Milepost	306.00	0	70	C	0	0	2	37.027786	-98.484574
305	5279		Down Milepost	305.00	0	67	T	0	0	2	37.038379	-98.472340
304	5332		Down Milepost	304.00	0	68	T	0	0	2	37.048898	-98.459712
303	5266		Down Milepost	303.00	0	70	T	0	0	2	37.059284	-98.447246
302	5287		Down Milepost	302.00	0	69	T	0	0	2	37.069713	-98.434717
301	5300		Down Milepost	301.00	0	67	T	0	0	2	37.080162	-98.422155
299	10598		Down Milepost	299.00	0	69	T	0	0	2	37.101062	-98.397024
298	5272		Down Milepost	298.00	0	57	T	0	0	2	37.111450	-98.384520
297	5341		Down Milepost	297.00	0	45	T	0	0	2	37.121975	-98.371855
296	5266		Down Milepost	296.00	0	52	T	0	0	2	37.132351	-98.359362
295	5312		Down Milepost	295.00	0	55	T	0	0	2	37.142833	-98.346773
294	5305		Down Milepost	294.00	0	31	T	0	0	2	37.153274	-98.334156
293	5298		Down Milepost	293.00	0	28	T	0	0	2	37.163713	-98.321572
292	5255		Down Milepost	292.00	0	9	E	0	0	2	37.174067	-98.309090
291	5349		Down Milepost	291.00	0	46	T	0	0	2	37.184599	-98.296384
290	5300		Down Milepost	290.00	0	53	T	0	0	2	37.195035	-98.283786
289	5289		Down Milepost	289.00	0	50	T	0	0	2	37.205440	-98.271217
288	5310		Down Milepost	288.00	0	54	T	0	0	2	37.215891	-98.258589
288	1462		Concrete Ties End	0.00	0	52	T	0	0	2	37.218746	-98.255090
287	5292		Down Milepost	287.00	0	49	T	0	0	2	37.226253	-98.245933
287	2125	256	L Prof 62	-1.56	7	49	T	4	5	2	37.230433	-98.240876
287	2127	257	R Prof 62	-1.51	6	49	T	4	5	2	37.230437	-98.240872
287	2229		Concrete Ties Start	0.00	0	49	T	0	0	2	37.230638	-98.240629
287	2638	258	Crosslevel	-1.15	6	50	T	4	5	2	37.231444	-98.239656
287	2672	259	Crosslevel	-1.18	8	50	T	4	5	2	37.231511	-98.239576
287	2714	260	Crosslevel	-1.12	3	50	T	4	5	2	37.231593	-98.239476
286	5188		Down Milepost	286.00	0	46	C	0	0	2	37.235975	-98.233058
286	1878		Concrete Ties End	0.00	0	47	T	0	0	2	37.237910	-98.227116
285	5389		Down Milepost	285.00	0	48	T	0	0	2	37.241144	-98.215791
284	5391		Down Milepost	284.00	0	46	T	0	0	2	37.246117	-98.198411
284	4257	267	L Prof 62	-1.38	2	53	T	4	5	2	37.250010	-98.184674
283	5178		Down Milepost	283.00	0	56	T	0	0	2	37.250853	-98.181697
282	5311		Down Milepost	282.00	0	63	T	0	0	2	37.255710	-98.164557
281	5295		Down Milepost	281.00	0	63	T	0	0	2	37.260514	-98.147447
280	5288		Down Milepost	280.00	0	64	T	0	0	2	37.265352	-98.130366
280	3667	268	L Prof 62	-1.64	6	65	T	4	5	2	37.268741	-98.118545
280	3667	269	R Prof 62	-1.46	4	65	T	4	5	2	37.268741	-98.118545

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MP	FT	Seq#	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
280	4419	270	L Prof 62	-1.51	5	64	T	4	5	2	37.269428	-98.116115
279	5303		Down Milepost	279.00	0	64	T	0	0	2	37.270236	-98.113258
278	5173		Down Milepost	278.00	0	63	T	0	0	2	37.274959	-98.096547
277	5418		Down Milepost	277.00	0	57	T	0	0	2	37.279907	-98.079045
276	5296		Down Milepost	276.00	0	51	T	0	0	2	37.284739	-98.061936
275	5298		Down Milepost	275.00	0	50	T	0	0	2	37.289572	-98.044814
274	5306		Down Milepost	274.00	0	49	T	0	0	2	37.291238	-98.026928
273	5190		Down Milepost	273.00	0	50	T	0	0	2	37.290717	-98.009167
272	5397		Down Milepost	272.00	0	49	T	0	0	2	37.290850	-97.990682
271	5234		Down Milepost	271.00	0	58	T	0	0	2	37.290977	-97.972745
271	1614	272	L Prof 62	-1.44	3	58	T	4	5	2	37.291015	-97.967220
270	5404		Down Milepost	270.00	0	59	T	0	0	2	37.291090	-97.954230
269	5237		Down Milepost	269.00	0	62	T	0	0	2	37.291177	-97.936279
267	10605		Down Milepost	267.00	0	52	C	0	0	2	37.290811	-97.899992
266	5290		Down Milepost	266.00	0	39	T	0	0	2	37.285033	-97.883385
265	5299		Down Milepost	265.00	0	41	T	0	0	2	37.279008	-97.866866
264	5289		Down Milepost	264.00	0	32	T	0	0	2	37.272991	-97.850381
263	5299		Down Milepost	263.00	0	28	T	0	0	2	37.267318	-97.833685
263	3732	278	R Align 62	-0.75	2	29	C	4	5	2	37.263915	-97.821638
262	5299		Down Milepost	262.00	0	29	C	0	0	2	37.263251	-97.816351
261	5293		Down Milepost	261.00	0	42	T	0	0	2	37.263324	-97.798227
260	5296		Down Milepost	260.00	0	41	T	0	0	2	37.263409	-97.780093
259	5361		Down Milepost	259.00	0	44	T	0	0	2	37.263492	-97.761725
258	5248		Down Milepost	258.00	0	68	T	0	0	2	37.263568	-97.743760
257	5312		Down Milepost	257.00	0	67	T	0	0	2	37.263644	-97.725571
256	5281		Down Milepost	256.00	0	68	B	0	0	2	37.261930	-97.707761
256	4657	279	L Align 62	0.73	1	67	C	4	5	2	37.259168	-97.692248
255	5304		Down Milepost	255.00	0	66	T	0	0	2	37.259220	-97.690032
255	3334	280	R Rail Impact*			69	T		0	2	37.259548	-97.678619
254	5276		Down Milepost	254.00	0	66	T	0	0	2	37.259740	-97.671974
253	5289		Down Milepost	253.00	0	66	T	0	0	2	37.260257	-97.653874
252	5309		Down Milepost	252.00	0	68	T	0	0	2	37.260515	-97.635694
251	5178		Down Milepost	251.00	0	66	T	0	0	2	37.260459	-97.617960
250	5420		Down Milepost	250.00	0	69	T	0	0	2	37.260495	-97.599397
249	5293		Down Milepost	249.00	0	69	T	0	0	2	37.260812	-97.581275
248	5280		Down Milepost	248.00	0	64	T	0	0	2	37.261128	-97.563202
247	5325		Down Milepost	247.00	0	53	T	0	0	2	37.261444	-97.544968
247	4657	289	L Prof 62	-1.68	8	52	C	4	5	2	37.261718	-97.529026
247	4657	290	R Prof 62	-1.77	8	52	C	4	5	2	37.261718	-97.529026

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MP	FT	Seq#	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
246	5276		Down Milepost	246.00	0	52	E	0	0	2	37.261793	-97.526904
245	5314		Down Milepost	245.00	0	53	T	0	0	2	37.262615	-97.508737
244	5287		Down Milepost	244.00	0	40	T	0	0	2	37.263428	-97.490664
243	5325		Down Milepost	243.00	0	29	T	0	0	2	37.264246	-97.472459
242	5297		Down Milepost	242.00	0	26	E	0	0	2	37.264844	-97.454349
240	10837		Down Milepost	240.00	0	27	T	0	0	2	37.261840	-97.417417
240	1233		Class Change	4.00	0	28	T	0	0	2	37.261502	-97.413223
240	1233		Posted Speed	60.00	0	28	T	0	0	2	37.261502	-97.413223
239	5048		Down Milepost	239.00	0	17	T	0	0	2	37.260576	-97.400247
239	5333		Class Change	3.00	0	27	T	0	0	2	37.261247	-97.382004
239	5333		Posted Speed	40.00	0	27	T	0	0	2	37.261247	-97.382004
238	5374		Down Milepost	238.00	0	27	T	0	0	2	37.261253	-97.381860
238	2034		Subdivision	EMPORI	0	19	T	0	0	2	37.261763	-97.374935

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

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 Milepost 553 to Milepost 238
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Elevation plus(+) = L Rail High, minus(-) = R Rail High Curvature plus(+) = Curve to Right, minus(-) = Curve to Left

Track		Starting				Ending				Average				Limiting Point				Total		Limiting Speed at										
		MP		FT		MP		FT		Len	Spd	Curve	Elev	Post	Lmt	MP	FT	Curve	Elev	FT	Grp	3.0	4.0	5.0	6.0	7.0	8.0	9.0		
1		0	1	553	151	314	8	3/09	1.06	30	43	0	99	3/14	1.15	52	0	43	47	52	56	59	63	66						
1		553	222	553	958	669	7	4/56	0.65	30	32	553	717	5/00	0.6	0	0	32	36	39	43	46	49	52						
1		553	958	553	1533	576	12	4/59	0.69	20	32	553	1213	5/00	0.55	0	0	32	36	39	43	46	49	52						
1		553	1657	553	1889	233	16	2/46	-0.04	20	39	553	1772	2/47	-0.07	0	0	39	44	50	55	59	63	67						
2		553	1889	553	2121	233	17	-2/49	0.01	20	38	553	1993	-2/50	0.18	0	0	38	43	49	54	58	62	66						
2		553	2474	553	2905	432	19	-2/02	-0.74	20	51	553	2904	-2/02	-0.74	0	0	51	57	63	68	73	78	82						
2		553	2905	553	3255	351	19	-2/31	-0.68	20	44	553	3056	-2/40	-0.68	0	0	44	50	55	59	64	68	72						
2		553	3255	553	3810	556	19	-1/38	-0.56	20	54	553	3255	-1/40	-0.39	0	0	54	61	68	74	79	84	89						
2		553	4953	552	74	534	17	-0/58	-0.99	70	74	553	5130	-1/01	-0.99	0	0	74	83	91	98	105	112	118						
2		548	2986	548	4392	1407	44	-0/28	-0.8	70	99	548	3487	-0/31	-0.68	0	0	99	113	124	135	145	154	163						
2		540	3805	540	4149	298	7	-0/15	0.01	70	115	540	3995	-0/19	0.04	0	0	115	135	151	165	179	191	203						
2		539	2469	539	2819	351	36	0/14	-0.1	70	124	539	2609	0/16	-0.21	0	0	124	144	162	178	193	206	219						
2		539	2971	539	3303	333	44	-0/16	0.11	70	123	539	3248	-0/16	0.1	0	0	123	146	164	179	194	208	221						
2		539	4079	539	4406	328	56	-0/13	0.31	70	118	539	4187	-0/16	0.29	0	0	118	140	157	173	188	201	214						
2		532	1830	532	2133	304	67	0/10	0.06	70	142	532	2004	0/13	-0.01	0	0	142	164	184	201	217	233	247						
2		532	2413	532	2709	297	68	-0/13	0.51	70	127	532	2605	-0/13	0.5	0	0	127	154	174	193	210	225	240						
2		528	2165	528	3591	1427	65	-0/58	-1.51	70	80	528	2588	-0/59	-1.44	0	0	80	89	96	104	110	117	123						
2		524	3487	524	3681	195	69	-0/18	0.13	70	108	524	3599	-0/20	0.14	0	0	108	127	142	156	169	181	192						
2		524	4657	524	4802	146	68	-0/13	0.25	70	132	524	4670	-0/13	0.19	0	0	132	157	176	194	210	225	239						
2		524	4979	524	5217	239	69	0/14	-0.4	70	112	524	5133	0/18	-0.38	0	0	112	131	148	163	177	190	202						
2		511	4148	511	4432	285	68	-0/13	-0.06	70	134	511	4254	-0/14	-0	0	0	134	157	176	193	208	222	236						
2		498	4367	497	363	1288	69	-0/59	-1.71	70	79	498	4642	-1/02	-1.51	0	0	79	87	95	102	108	114	120						
2		497	3125	497	4588	1464	68	-1/32	-3.75	70	78	497	3699	-1/34	-3.73	0	0	78	84	89	94	99	103	107						
2		496	753	496	3675	2923	68	1/52	4.88	70	77	496	2099	1/55	4.87	0	0	77	81	85	90	94	98	101						
2		496	3953	496	7549	3597	69	-1/53	-5.26	70	78	496	6405	-1/54	-5.12	0	0	78	82	87	91	95	99	103						
2		496	8092	496	9684	1593	70	1/48	4.97	70	78	496	9159	1/50	4.9	0	0	78	83	87	92	96	100	103						
2		494	1681	494	3498	1818	69	0/57	1.52	70	81	494	2270	0/58	1.43	0	0	81	89	97	105	112	118	124						
2		493	1994	493	2980	987	70	0/37	0.89	70	89	493	2285	0/40	0.74	0	0	89	100	110	119	128	136	144						
2		492	300	492	2400	2101	68	1/36	3.7	70	75	492	790	1/37	3.43	0	0	75	80	86	91	95	100	104						
2		492	4158	491	2773	3780	69	-1/56	-5.13	70	76	492	5073	-1/58	-5.08	0	0	76	81	85	89	93	97	101						
2		491	4146	490	1165	2330	68	1/48	5.09	70	79	491	4953	1/51	4.99	0	0	79	83	87	92	96	100	103						
2		490	4409	489	396	1260	69	-1/02	-2.24	70	83	489	224	-1/04	-2.2	0	0	83	91	98	105	111	117	122						
2		489	396	489	789	394	68	-0/43	-1.93	70	96	489	396	-0/49	-2.32	0	0	96	104	112	120	127	134	140						
2		489	3183	489	4824	1642	70	1/26	3.55	70	79	489	3698	1/29	3.38	0	0	79	84	89	95	100	104	109						
2		488	1546	488	2701	1156	70	-1/35	-3.99	70	76	488	2049	-1/42	-3.95	0	0	76	81	86	91	95	100	104						
2		487	208	487	1967	1760	69	-1/29	-3.29	70	77	487	920	-1/31	-3.31	0	0	77	82	88	93	98	103	107						
2		487	2900	487	5247	2348	69	1/35	3.65	70	76	487	4682	1/37	3.59	0	0	76	81	87	91	96	101	105						
2		486	488	486	1538	1051	68	-1/01	-1.77	70	81	486	1143	-1/01	-1.79	0	0	81	90	97	104	110	117	122						
2		486	3694	485	532	2532	70	0/56	1.51	70	79	486	4856	0/59	1.37	0	0	79	88	95	103	109	116	122						
2		485	4317	484	756	1323	70	-0/37	-0.85	70	92	485	4777	-0/38	-0.77	0	0	92	103	114	123	132	141	148						
2		484	1787	484	2850	1064	69	0/27	0.58	70	96	484	2094	0/33	0.5	0	0	96	108	119	129	139	148	157						
2		483	328	483	621	294	69	-0/27	-0.87	70	110	483	620	-0/27	-0.87	0	0	110	124	136	147	158	167	176						
2		483	621	483	1920	1300	69	-0/59	-1.73	70	80	483	1513	-1/01	-1.66	0	0	80	88	96	103	110	116	122						
2		483	1920	483	2136	217	69	-0/20	-0.86	70	111	483	1928	-0/27	-1	0	0	111	125	137	149	159	169	178						
2		483	4771	482	1153	1378	68	0/41	0.88	70	80	482	447	0/52	0.92	0	0	80	89	98	106	114	121	127						
2		482	1153	482	1358	206	68	0/14	0.31	70	135	482	1154	0/16	0.43	0	0	135	153	169	184	198	211	223						

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 Run ID: 2016061001

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		
2	481	611	481	2597	1987	64	-2/03	-4.15	65	70	481	1310	-2/05	-4.18	0	0	70	74	79	83	87	91	94	
2	481	3339	481	5129	1791	65	-2/01	-4.27	65	71	481	3934	-2/03	-4.23	0	0	71	75	80	84	88	92	96	
2	480	4087	479	829	2229	65	2/01	4.12	65	70	480	4705	2/02	4.05	0	0	70	75	79	83	87	91	95	
2	479	1357	479	3145	1789	64	-2/01	-4.53	65	73	479	2345	-2/03	-4.57	0	0	73	77	81	85	89	93	97	
2	479	3802	479	4868	1067	61	1/49	3.93	65	73	479	4293	1/52	3.9	0	0	73	77	82	87	91	95	99	
2	478	1188	478	2602	1415	60	2/00	3.39	60	66	478	1737	2/06	3.33	0	0	66	70	75	79	83	87	91	
2	478	3917	478	5141	1225	59	-1/56	-3.39	60	68	478	4412	-1/57	-3.35	0	0	68	73	78	82	87	91	95	
2	477	2465	477	3565	1101	58	0/52	0.7	60	77	477	3072	0/53	0.7	0	0	77	86	95	103	111	118	124	
2	477	3565	477	3700	136	0	0/00	0	70	400	0	0	0/00	0	0	0	400	0	0	0	0	0	0	
2	476	2027	476	3521	1495	67	-1/27	-3.52	70	78	476	2503	-1/28	-3.31	0	0	78	84	90	95	100	105	109	
2	474	2943	474	3300	358	70	0/28	0.62	70	102	474	3299	0/31	0.69	0	0	102	114	126	136	146	155	164	
2	474	3300	474	4809	1510	70	0/57	1.4	70	78	474	4173	0/59	1.26	0	0	78	87	95	102	109	115	121	
2	474	4809	474	4955	147	69	0/15	0.59	70	134	474	4809	0/17	0.66	0	0	134	151	167	181	194	206	218	
2	472	2	472	1239	1238	67	1/00	1.33	70	75	472	964	1/03	1.17	0	0	75	83	91	98	105	111	117	
2	471	2382	471	3303	922	58	-1/04	-1.42	70	76	471	2800	-1/04	-1.32	0	0	76	84	92	99	105	112	117	
2	471	4237	471	4704	468	58	-0/22	-0.57	70	111	471	4459	-0/24	-0.54	0	0	111	127	140	152	164	174	184	
2	471	4962	471	5464	503	58	0/20	0.42	70	106	471	5211	0/26	0.45	0	0	106	120	132	144	155	165	175	
2	471	8978	469	1288	2951	61	-1/31	-3.19	70	74	469	698	-1/34	-3.08	0	0	74	80	86	91	96	100	105	
2	467	468	467	1176	709	67	0/16	0.73	70	122	467	746	0/21	0.67	0	0	122	137	152	164	176	188	198	
2	466	5083	465	1253	1475	59	-1/59	-3.33	70	66	465	832	-2/01	-3.23	0	0	66	71	76	80	85	89	92	
2	465	2433	465	3406	974	58	0/50	1.66	70	86	465	3057	0/54	1.7	0	0	86	95	103	110	117	124	130	
2	464	2212	464	5140	2929	57	0/45	0.81	70	81	464	4474	0/47	0.67	0	0	81	91	101	109	117	125	132	
2	463	2352	463	2618	267	39	0/12	0.56	70	152	463	2368	0/13	0.54	0	0	152	171	189	206	221	235	248	
2	463	2618	463	2845	228	39	0/12	0.64	70	152	463	2709	0/13	0.58	0	0	152	172	190	206	221	236	249	
2	463	5102	462	2693	2753	30	0/57	1.61	70	81	462	1299	0/59	1.54	0	0	81	89	97	104	110	117	123	
+	2	461	474	461	2828	2306	18	-1/40	-3.23	70	70	461	1809	-1/50	-3.22	105	-1	70	75	80	84	89	93	97
2	461	3587	461	4826	1240	33	1/30	3.25	70	76	461	4129	1/34	3.26	0	0	76	81	86	92	96	101	105	
2	460	1426	460	2849	1424	36	0/56	0.66	70	74	460	2046	0/58	0.65	0	0	74	83	91	99	106	113	119	
2	459	2896	458	163	2547	40	-0/44	-0.86	70	82	459	3602	-0/47	-0.79	0	0	82	93	102	110	118	126	133	
2	455	2592	455	4367	1776	62	-1/40	-3.24	70	72	455	3960	-1/41	-3.2	0	0	72	78	83	88	92	97	101	
2	454	2705	453	2737	5410	70	1/40	4.49	70	78	454	4348	1/42	4.34	0	0	78	83	88	93	97	101	105	
2	452	4190	451	1809	2671	58	-2/01	-3.24	60	66	451	717	-2/03	-3.21	0	0	66	70	75	80	84	88	92	
2	5	2993	450	3503	4019	52	-1/01	-0.95	65	71	450	514	-1/04	-0.81	0	0	71	80	88	95	102	108	114	
2	450	3503	450	4305	803	48	-0/36	-0.74	65	83	450	3541	-0/48	-0.96	0	0	83	94	103	111	119	126	133	
2	450	4305	450	4602	298	49	-0/19	-0.39	65	107	450	4305	-0/26	-0.54	0	0	107	122	135	147	158	168	178	
2	449	1717	449	3958	2242	59	0/56	0.9	65	76	449	3365	0/58	0.91	0	0	76	84	93	100	107	114	120	
2	448	823	448	4279	3457	52	-1/02	-1.12	65	74	448	3234	-1/02	-1.04	0	0	74	83	91	98	105	111	117	
2	447	3496	446	1853	3740	59	1/59	3.95	70	69	447	4103	2/01	3.82	0	0	69	74	78	83	87	91	95	
2	445	338	445	2250	1913	47	-1/25	-2.91	70	76	445	1024	-1/27	-2.88	0	0	76	82	88	93	98	103	108	
2	442	4306	441	196	1158	47	0/58	2.08	70	83	442	4774	0/59	1.81	0	0	83	91	99	106	112	118	124	
2	439	1588	439	1996	367	10	-0/19	0.01	70	107	439	1843	-0/22	0	0	0	107	124	138	152	164	175	186	
2	439	1996	439	2302	307	20	-0/12	0	70	141	439	2174	-0/12	0.08	0	0	141	167	187	205	222	237	252	
2	439	4267	439	4581	315	56	-0/18	0	70	108	439	4405	-0/21	0.06	0	0	108	126	141	155	168	179	190	
2	437	1059	437	2145	1087	70	0/56	1.56	70	73	437	1419	1/14	1.6	0	0	73	80	87	93	99	105	110	
2	435	1338	435	1648	311	69	-0/33	-0.78	70	99	435	1647	-0/33	-0.77	0	0	99	111	122	132	142	150	159	
2	435	1648	435	3510	1863	70	-1/01	-1.7	70	80	435	1918	-1/01	-1.64	0	0	80	88	96	103	110	116	122	

Exception Report
 Curve Analysis Section
 Milepost 553 to Milepost 238
 Amarillo, TX to Wellington, KS

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	Post	Lmt	MP	FT	Curve	Elev	FT	Grp	3.0	4.0	5.0	6.0	7.0	8.0	9.0	
							Deg/Mi	Inches					Deg/Mi	Inches										
2	435	3510	435	3800	291	70	-0/20	-0.57	70	109	435	3510	-0/27	-0.79	0	0	109	123	135	146	157	167	176	
2	434	5023	433	1416	1701	67	0/59	1.37	70	79	433	180	1/01	1.36	0	0	79	87	94	102	108	115	121	
2	431	1274	431	2740	1467	69	0/56	1.42	70	79	431	1794	1/00	1.34	0	0	79	87	95	102	109	115	121	
2	430	2158	430	3971	1814	69	-0/59	-1.62	70	80	430	2703	-1/01	-1.56	0	0	80	88	96	103	110	116	122	
2	430	3971	430	4338	368	69	-0/37	-0.93	70	93	430	3979	-0/38	-0.97	0	0	93	105	115	124	133	141	149	
2	428	767	428	1106	340	69	0/31	0.31	70	96	428	1105	0/31	0.31	0	0	96	109	121	132	143	152	161	
2	428	1106	428	3527	2422	69	0/53	1.37	70	77	428	1278	0/55	0.82	0	0	77	86	95	102	110	117	123	
2	427	2056	427	4786	2731	68	-1/31	-3.42	70	74	427	2514	-1/24	-2.36	0	0	74	80	86	92	97	102	107	
2	426	324	426	754	431	69	-0/23	-0.89	70	112	426	478	-0/26	-0.87	0	0	112	127	139	151	161	171	181	
2	426	971	426	1348	378	69	0/22	0.57	70	113	426	1209	0/25	0.79	0	0	113	127	140	151	162	172	182	
2	426	2152	426	2552	401	70	0/25	0.49	70	102	426	2388	0/30	0.59	0	0	102	114	126	137	147	156	165	
2	426	2816	425	425	2935	70	-1/58	-5.23	70	76	426	4634	-2/00	-5.19	0	0	76	81	85	89	93	97	100	
2	425	2430	425	4544	2115	70	1/56	4.89	70	75	425	3008	1/59	4.91	0	0	75	79	84	88	92	96	99	
2	424	492	424	1832	1341	69	-1/56	-5.17	70	77	424	1108	-1/57	-5.15	0	0	77	81	86	90	94	98	101	
2	424	4122	423	1135	2272	69	1/56	5.05	70	76	424	4624	1/59	5.1	0	0	76	80	85	89	93	96	100	
2	423	2507	423	3998	1492	69	-1/58	-5.28	70	77	423	3076	-1/59	-5.22	0	0	77	81	85	89	93	97	101	
2	421	4887	420	695	1157	70	0/39	1.1	70	91	420	350	0/41	0.98	0	0	91	101	111	120	128	136	143	
2	420	4182	419	941	2043	70	-1/01	-1.36	70	75	420	4833	-1/02	-1.07	0	0	75	83	91	99	105	112	118	
2	418	4394	417	988	1933	70	-0/58	-1.77	70	82	417	29	-0/59	-1.78	0	0	82	91	98	105	112	118	124	
2	416	314	416	4693	4380	70	0/58	2.24	70	85	416	979	0/59	1.95	0	0	85	92	100	107	113	119	125	
2	415	4749	414	2535	3081	49	0/47	1.62	70	88	414	1490	0/49	1.52	0	0	88	98	106	114	121	128	135	
2	410	2851	410	4182	1332	69	-0/57	-1.55	70	82	410	3311	-0/58	-1.53	0	0	82	90	98	105	112	119	125	
2	408	3060	408	3585	526	69	-0/28	-0.52	70	96	408	3427	-0/32	-0.47	0	0	96	109	121	132	141	151	159	
2	402	2755	402	3062	308	49	-1/20	0.02	70	56	402	2886	-1/22	0.02	47	-1	56	64	72	79	85	91	97	
1	402	3326	402	3643	318	50	1/17	-0.03	70	54	402	3512	1/19	-0.32	40	-1	54	63	71	78	85	91	96	
1	395	3009	395	3385	377	67	0/26	0.51	70	96	395	3163	0/32	0.52	0	0	96	109	120	131	141	150	158	
1	395	3946	395	4357	412	66	-0/39	-0.86	70	89	395	4146	-0/41	-0.82	0	0	89	100	110	119	128	136	143	
1	394	2909	394	4222	1314	60	-1/01	-1.95	70	83	394	3382	-1/01	-1.9	0	0	83	91	98	105	112	118	124	
1	393	2826	393	4346	1521	53	0/56	1.64	70	81	393	3207	1/01	1.66	0	0	81	89	96	103	110	116	122	
1	392	1758	392	3163	1406	54	-0/31	-0.87	70	98	392	2105	-0/32	-0.75	0	0	98	112	123	133	143	152	160	
1	391	991	391	1304	314	48	1/03	-0.12	70	59	391	1138	1/13	-0.05	114	-1	59	68	76	83	90	96	102	
1	391	1589	391	1802	214	49	-1/22	-0.29	70	56	391	1755	-1/24	-0.05	45	-1	56	64	71	78	84	90	96	
+	1	391	1802	391	1888	87	49	-1/02	-0.18	70	64	391	1803	-1/07	-0.15	15	-1	64	73	81	88	95	102	108
2	390	519	390	2444	1926	49	-2/01	-1.86	50	58	390	1276	-2/03	-1.83	0	0	58	63	68	73	78	82	86	
2	389	588	389	2414	1827	48	2/58	3.41	50	54	389	2307	3/06	3.42	0	0	54	58	62	65	69	72	75	
2	389	2414	389	5054	2641	48	2/58	3.54	50	56	389	4254	3/01	3.49	0	0	56	59	63	67	70	73	76	
2	388	5136	387	3361	3498	48	-3/03	-3.34	50	53	387	580	-3/05	-3.18	0	0	53	57	61	65	68	71	75	
2	386	1213	386	3245	2033	41	1/57	1.39	79	56	386	2816	2/00	1.38	0	0	56	61	67	72	77	81	86	
2	385	5008	384	1150	1431	29	0/53	0.56	50	75	384	724	0/55	0.56	0	0	75	84	93	101	108	115	122	
2	384	4354	384	4709	356	47	0/16	0.37	50	134	384	4529	0/17	0.53	0	0	134	152	168	182	196	208	220	
2	384	4766	383	141	658	47	-1/30	-0.59	50	58	384	4987	-1/29	-0.47	0	0	58	65	72	78	84	90	95	
2	383	4592	383	4929	323	21	-0/16	0.23	70	114	383	4761	-0/20	-0.07	0	0	114	132	148	162	174	186	198	
2	381	3030	381	4092	1063	68	-0/14	-0.74	70	144	381	3946	-0/14	-0.69	0	0	144	167	184	199	213	227	240	
2	380	3690	379	54	1653	64	-1/59	-4.98	65	74	380	4678	-2/02	-4.94	0	0	74	79	83	87	91	95	98	
2	379	4008	379	4470	463	69	0/57	1.3	70	80	379	4469	0/58	1.3	0	0	80	88	96	104	111	117	123	
2	379	4470	378	609	1460	70	0/59	1.31	70	78	378	90	1/00	1.24	0	0	78	86	94	101	108	114	120	

Exception Report
 Curve Analysis Section
 Milepost 553 to Milepost 238
 Amarillo, TX to Wellington, KS

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			
2	368	2549	368	2911	363	70	0/27	0.57	70	97	368	2691	0/31	0.42	0	0	97	110	122	132	142	152	160		
2	368	3321	368	3803	483	69	-0/23	-0.63	70	112	368	3598	-0/25	-0.72	0	0	112	126	139	151	162	172	181		
2	367	2559	367	3768	1210	69	0/35	0.72	70	93	367	3250	0/37	0.73	0	0	93	105	115	125	134	142	150		
2	366	1229	366	1572	344	69	-0/23	-0.79	70	114	366	1571	-0/25	-0.84	0	0	114	129	142	154	165	175	185		
2	366	1572	366	4415	2844	70	-1/01	-1.57	70	77	366	2702	-1/02	-1.36	0	0	77	85	93	100	107	113	119		
2	366	4415	366	4822	408	70	-0/38	-0.97	70	91	366	4416	-0/41	-1.02	0	0	91	102	112	121	129	137	145		
2	365	4271	364	4194	5175	70	0/58	1.36	70	77	365	5059	1/01	1.19	0	0	77	85	93	100	107	113	120		
2	363	358	362	3173	8083	70	-1/01	-1.42	70	75	362	2159	-1/01	-1.11	0	0	75	84	92	99	106	112	119		
2	360	5270	359	2340	2361	60	0/34	1.14	70	96	359	1210	0/38	1.15	0	0	96	107	117	126	134	142	150		
2	359	2463	359	2931	469	58	-0/20	-0.27	70	114	359	2778	-0/22	-0.32	0	0	114	130	145	158	170	181	192		
2	358	408	357	281	5108	49	0/55	0.99	70	76	358	1095	1/01	1.03	0	0	76	84	92	99	106	113	119		
2	357	4846	357	5118	273	52	0/26	0.62	70	106	357	4994	0/25	0.24	0	0	106	121	135	147	158	169	179		
2	357	5118	356	1539	1716	53	0/53	1.47	70	81	356	1222	0/56	1.34	0	0	81	90	98	105	112	119	125		
+	2	356	2828	353	929	1404	54	-1/02	-1.37	70	70	354	919	-1/04	-0.71	25	-1	70	79	87	94	101	107	113	
						6																			
2	353	929	353	1152	224	54	-0/18	-0.04	70	113	353	949	-0/21	-0.22	0	0	113	131	145	159	171	183	193		
2	353	3457	353	5193	1737	51	0/41	0.5	70	83	353	3781	0/43	0.43	0	0	83	94	104	113	122	130	137		
2	352	216	352	2551	2336	45	0/40	0.48	70	77	352	1029	0/52	0.59	0	0	77	86	95	104	111	118	125		
2	350	356	349	1589	6468	70	1/13	2.63	70	75	350	2851	1/20	2.29	0	0	75	81	88	94	99	104	109		
2	348	2241	348	2530	290	59	-0/24	-0.64	70	111	348	2529	-0/25	-0.67	0	0	111	127	140	152	163	173	183		
2	348	2530	348	5075	2546	57	-1/02	-1.53	70	78	348	3251	-1/03	-1.51	0	0	78	86	94	101	107	113	119		
2	347	1045	347	1673	629	44	-0/37	-0.41	70	87	347	1562	-0/38	-0.42	0	0	87	100	110	120	129	138	146		
2	347	1673	347	1891	219	44	-0/19	-0.05	70	109	347	1732	-0/23	-0.25	0	0	109	126	140	153	165	176	186		
2	347	3367	346	606	2519	49	-1/02	-1.6	70	76	347	4095	-1/07	-1.59	0	0	76	84	91	98	104	110	116		
2	346	1534	346	2046	513	48	-0/20	-0.75	70	118	346	1929	-0/23	-0.77	0	0	118	133	147	159	170	181	191		
2	346	2539	346	4166	1628	44	-0/49	-1.46	70	83	346	3667	-0/55	-1.46	0	0	83	92	100	108	115	121	128		
2	344	402	344	1295	894	30	1/50	3.01	60	68	344	775	1/50	2.91	0	0	68	73	78	83	87	92	96		
2	344	3286	344	3983	698	31	0/47	1.19	70	84	344	3752	0/52	1.22	0	0	84	93	101	109	116	123	130		
2	340	4256	340	4978	723	24	0/14	0.64	70	134	340	4464	0/17	0.52	0	0	134	151	167	182	195	208	220		
2	339	1691	339	2178	423	11	-0/22	-0.16	70	99	339	2084	-0/27	-0.16	0	0	99	114	127	139	150	160	170		
2	339	2178	339	2374	197	16	-0/11	-0.15	70	137	339	2187	-0/14	-0.17	0	0	137	160	179	195	211	225	238		
2	337	1630	337	1746	117	29	-0/11	-0.06	70	148	337	1633	-0/11	-0.05	0	0	148	174	194	213	230	245	260		
2	337	2991	337	3249	259	26	-0/11	0.09	70	145	337	3153	-0/11	0.07	0	0	145	171	192	211	228	244	259		
2	337	3347	337	4890	1544	26	-1/01	-1.48	60	71	337	3614	-1/05	-0.92	0	0	71	80	88	95	101	108	114		
2	336	1020	336	1561	483	11	-0/26	-0.14	70	96	336	1447	-0/28	-0.11	0	0	96	111	124	136	147	157	166		
2	336	1561	336	1768	208	15	-0/16	-0.01	70	125	336	1696	-0/16	-0.01	0	0	125	145	162	178	192	205	218		
2	336	1937	336	2276	340	20	-0/11	0.2	70	141	336	2078	-0/12	0.08	0	0	141	167	187	205	222	237	252		
2	336	2727	336	3795	1069	29	0/52	1.47	70	80	336	3347	0/58	1.24	0	0	80	88	96	103	110	117	123		
2	335	3090	335	3822	733	29	0/25	0.63	70	103	335	3740	0/29	0.54	0	0	103	116	128	139	149	159	168		
2	332	1024	332	2098	1075	30	-0/38	-0.75	70	89	332	1309	-0/39	-0.62	0	0	89	100	111	120	129	137	145		
2	331	2115	331	2483	301	11	-0/26	-0.04	70	96	331	2372	-0/28	-0.04	0	0	96	112	125	136	147	158	167		
2	331	2483	331	2642	160	15	-0/13	-0.15	70	123	331	2483	-0/17	-0.07	0	0	123	144	160	175	189	202	215		
2	330	2502	330	2776	275	47	-0/23	0.01	70	92	330	2634	-0/32	-0.21	0	0	92	106	118	129	139	148	157		
2	330	3386	330	3564	179	47	0/19	-0.31	70	95	330	3485	0/23	-0.53	0	0	95	112	127	141	153	165	176		
2	330	5017	330	5188	172	47	-0/14	0.26	70	114	330	5107	-0/16	0.55	0	0	114	137	156	172	188	202	215		
2	329	506	329	1884	1379	46	0/56	0.83	70	73	329	850	1/02	0.79	0	0	73	81	89	97	103	110	116		
2	328	49	328	2492	2444	40	-2/04	-2.18	55	57	328	414	-2/07	-1.9	0	0	57	63	68	73	77	81	85		

Exception Report
 Curve Analysis Section
 Milepost 553 to Milepost 238
 Amarillo, TX to Wellington, KS

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 Run Date: 06/10/2016
 Run ID: 2016061001

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	Post	Lmt	MP	FT	Curve	Elev	FT	Grp	3.0	4.0	5.0	6.0	7.0	8.0	9.0
2	328	4321	327	984	1966	30	2/04	2.17	55	58	328	4736	2/09	2.09	0	0	58	63	68	73	77	81	85
2	327	2818	327	5114	2297	27	2/20	2.99	55	58	327	3159	2/26	2.77	0	0	58	63	67	71	75	79	83
2	326	714	326	1619	857	22	2/04	0.89	60	50	326	1338	2/08	0.78	447	-1	50	56	62	67	72	76	80
2	326	2353	326	2585	233	38	-2/22	-0.63	55	46	326	2485	-2/25	-0.62	21	-1	46	52	57	62	67	71	75
5	326	2585	326	2950	366	41	0/44	0.36	55	72	326	2854	0/57	0.4	0	0	72	81	90	98	105	112	118
5	326	3074	326	3959	886	45	0/55	0.64	55	73	326	3683	0/57	0.59	0	0	73	83	91	99	106	113	120
5	325	363	325	4329	3967	44	-2/34	-3.53	40	59	325	1988	-2/37	-3.37	0	0	59	63	67	71	75	78	82
5	324	13	324	3001	2989	53	1/55	2.18	70	60	324	1148	1/59	2.04	0	0	60	66	71	76	80	85	89
2	323	1264	323	1563	300	48	1/02	-0	50	59	323	1411	1/11	-0.15	0	0	59	68	76	83	90	97	103
2	323	1784	323	2202	419	49	-1/02	-0.28	70	66	323	1954	-1/04	-0.3	92	-1	66	76	84	92	99	105	111
2	323	3929	323	5142	1214	61	-1/01	-1.56	70	72	323	4217	-1/11	-1.35	0	0	72	80	87	93	100	105	111
2	322	1429	322	5147	3719	72	-1/01	-1.67	70	76	322	1788	-1/05	-1.5	0	0	76	84	92	99	105	111	117
2	319	4529	319	4971	443	70	-0/28	-0.61	70	97	319	4754	-0/33	-0.69	0	0	97	110	121	131	141	150	158
2	318	201	318	638	438	70	0/24	0.63	70	104	318	412	0/30	0.78	0	0	104	116	128	139	149	158	167
2	313	4963	312	174	514	70	-0/17	-1.05	70	122	313	5125	-0/22	-0.85	0	0	122	138	152	164	176	187	197
2	310	2100	310	3799	1700	70	1/16	2.44	70	73	310	3346	1/22	2.16	0	0	73	80	86	92	97	102	107
2	310	3799	310	3923	125	69	0/14	0.21	70	134	310	3803	0/16	0.37	0	0	134	152	168	183	197	210	222
2	309	53	309	2060	2008	69	-0/59	-1.56	70	78	309	1527	-1/03	-1.49	0	0	78	86	93	100	107	113	119
2	308	641	308	1133	493	69	0/43	0.61	70	82	308	800	0/45	0.57	0	0	82	93	102	111	120	127	134
2	308	1456	308	2138	683	69	-0/35	-0.59	70	86	308	1595	-0/39	-0.39	0	0	86	98	108	118	127	135	143
2	307	2580	307	3279	700	69	-0/18	-0.72	70	113	307	2837	-0/24	-0.65	0	0	113	128	142	154	165	175	185
2	307	4524	306	1253	2159	71	0/54	1.41	70	79	306	819	0/59	1.31	0	0	79	87	95	102	109	115	121
2	296	4171	296	4621	451	57	-0/13	-0.82	70	160	296	4323	-0/13	-0.85	0	0	160	181	199	215	231	245	258
2	296	5195	296	5305	111	55	0/12	0.28	70	150	296	5200	0/13	0.3	0	0	150	171	189	207	222	237	251
2	293	4897	292	24	332	14	-0/26	0.1	70	86	293	5194	-0/33	0.09	0	0	86	100	112	123	133	143	152
2	292	24	292	320	297	18	-0/14	0.05	70	114	292	24	-0/18	0.2	0	0	114	134	151	166	179	192	204
2	288	870	288	1321	452	53	0/20	0.58	70	118	288	1221	0/22	0.59	0	0	118	133	146	159	171	182	192
2	288	1794	288	2302	509	52	-0/25	-0.85	70	109	288	1964	-0/26	-0.7	0	0	109	124	137	149	159	169	179
2	287	3463	286	1085	2811	48	0/56	1.6	70	80	286	560	1/02	1.63	0	0	80	88	95	102	109	115	121
2	285	2387	285	2977	591	48	-0/14	-0.11	70	125	285	2574	-0/15	0.18	0	0	125	147	165	182	197	211	224
2	285	3770	285	3914	145	46	0/14	0.04	70	133	285	3814	0/15	0.05	0	0	133	152	169	185	200	214	227
2	282	4629	282	5091	463	63	-0/16	0.05	70	122	282	4871	-0/17	-0.02	0	0	122	143	159	175	189	202	214
2	280	649	280	970	322	65	-0/13	-0.05	70	136	280	821	-0/13	0.01	0	0	136	160	180	197	213	227	241
2	275	708	275	2944	2237	50	0/56	1.17	70	74	275	2672	1/01	0.86	0	0	74	82	90	98	104	111	117
2	274	1286	274	2364	1079	50	0/28	0.65	70	97	274	2128	0/33	0.62	0	0	97	109	120	131	140	149	158
2	274	3419	274	4339	921	50	-1/04	-2.28	70	82	274	3826	-1/05	-2.24	0	0	82	90	97	103	110	115	121
2	269	9026	267	1110	2690	55	0/55	1.47	70	80	269	9938	0/59	1.39	0	0	80	88	95	103	110	116	122
2	264	3194	264	4227	1034	29	-0/46	-0.92	70	83	264	3623	-0/47	-0.87	0	0	83	93	103	111	119	126	133
2	263	3239	262	241	2302	30	-1/05	-1.63	70	75	263	3609	-1/05	-1.34	0	0	75	83	91	98	104	110	116
2	262	241	262	404	164	30	-0/10	-0	70	141	262	241	-0/13	-0.08	0	0	141	166	185	203	219	234	248
2	260	2967	260	3128	102	11	-0/13	0.12	70	129	260	2967	-0/14	0.09	0	0	129	152	171	187	202	217	230
2	257	2154	257	3672	1519	69	1/29	3.18	70	76	257	2701	1/32	3.14	0	0	76	81	86	92	96	101	106
2	257	4377	257	4489	113	69	0/11	0.18	70	151	257	4380	0/12	0.19	0	0	151	172	192	210	226	241	256
2	257	5213	256	341	410	69	-0/13	-1.11	70	156	256	98	-0/14	-1.09	0	0	156	177	194	209	224	237	250
2	256	2688	256	3046	359	70	-0/25	-0.64	70	108	256	3045	-0/28	-0.86	0	0	108	122	134	145	156	165	175
2	256	3046	256	5016	1971	70	-0/50	-1.46	70	80	256	4412	-1/01	-1.68	0	0	80	89	96	103	110	116	122

Exception Report
 Curve Analysis Section
 Milepost 553 to Milepost 238
 Amarillo, TX to Wellington, KS

Page 6 of 6
 Run Date: 06/10/2016
 Run ID: 2016061001

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	FT	Grp	3.0	4.0	5.0	6.0	7.0	8.0	9.0		
							Deg/Mi	Inches			Deg/Mi	Inches											
2	253	2503	253	3277	775	69	0/20	0.61	70	114	253	2863	0/23	0.53	0	0	114	128	142	154	166	176	186
2	251	4081	251	4366	286	68	-0/14	-0.12	70	134	251	4148	-0/14	-0.09	0	0	134	156	174	190	205	219	232
2	251	4391	251	4478	88	68	-0/11	0	70	150	251	4394	-0/11	0	0	0	150	178	199	218	235	251	267
2	247	4458	246	24	843	52	-0/14	-0.8	70	136	247	4716	-0/16	-0.48	0	0	136	156	173	188	202	215	228
2	243	4197	242	122	1223	27	0/59	1.27	70	74	243	4563	1/02	1	0	0	74	83	91	98	105	111	117
2	242	4423	242	4892	470	26	0/22	0.35	70	101	242	4585	0/27	0.22	0	0	101	115	128	140	151	161	171
2	242	5133	242	5573	441	28	-0/20	-0.92	70	124	242	5298	-0/22	-0.95	0	0	124	140	153	166	177	188	198
2	240	1314	240	1886	573	28	0/56	0.56	60	72	240	1572	0/59	0.52	0	0	72	81	89	97	104	111	117
2	240	2471	240	2994	524	30	0/29	-0.1	60	90	240	2769	0/32	0.02	0	0	90	103	115	126	136	145	154
2	240	2994	240	4202	1209	29	-1/14	-2.12	60	74	240	3191	-1/13	-1.69	0	0	74	81	88	94	100	106	111
2	239	923	239	1182	260	11	-0/22	0.06	60	96	239	1053	-0/26	0.09	0	0	96	112	126	138	149	160	170
2	239	2440	239	2790	351	26	-0/29	-0.33	60	93	239	2551	-0/31	-0.1	0	0	93	107	119	130	141	150	159
2	239	3059	239	3395	337	28	0/34	1.26	60	95	239	3255	0/42	1.39	0	0	95	104	114	122	130	138	145
2	238	1100	238	1804	705	23	-1/54	-2.84	40	60	238	1348	-1/59	-2.09	0	0	60	66	71	76	80	85	89

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 553 to Milepost 238
 Amarillo, TX to Wellington, KS

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	
551	5238	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	2
437	5286	-	-	-	-	-	2	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	2
426	5294	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-	-	4	5	2
402	2741	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	4	2
343	5306	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	2
326	5218	-	-	-	-	-	2	31	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4	2
323	5345	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	5
313	2079	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	2
312	5302	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	2
308	5286	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	2
287	5292	-	-	-	-	-	-	-	-	3	17	-	-	-	-	2	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	2
284	5391	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	2
280	5288	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	2
271	5234	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	2
263	5299	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	2
256	5281	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	2
247	5325	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	2
		-	-	-	-	-	7	50	1	3	17	-	-	-	-	17	89	-	-	-	-	-	-	-	1	2	-	-	-	-	-			

Total Miles: 314.70
Exceptions per 100 Miles: 8.90
CY15 National Average Exceptions per 100 miles: 9.9

Track Quality Index

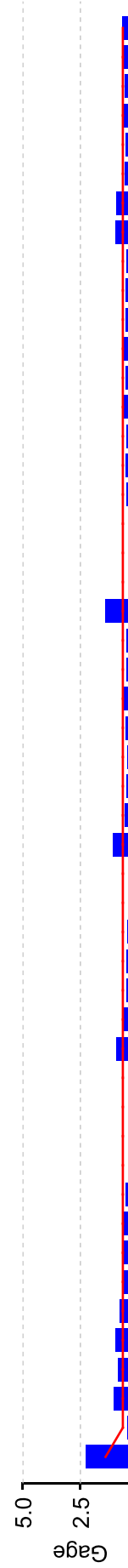
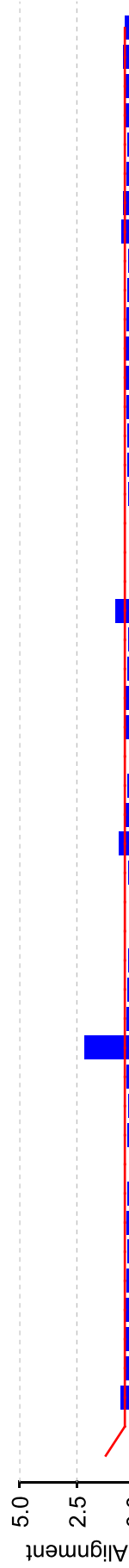
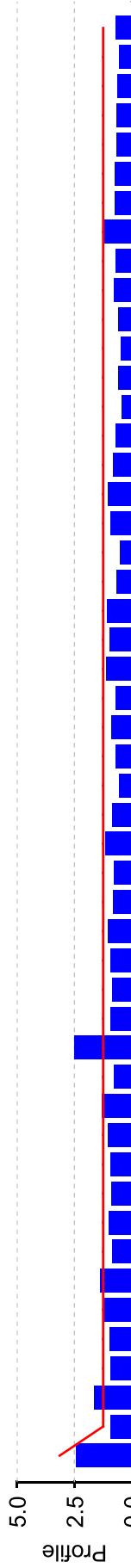
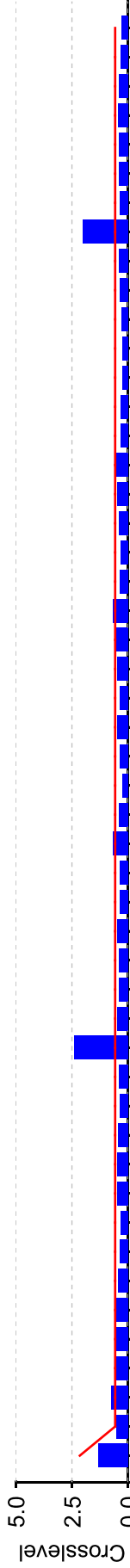
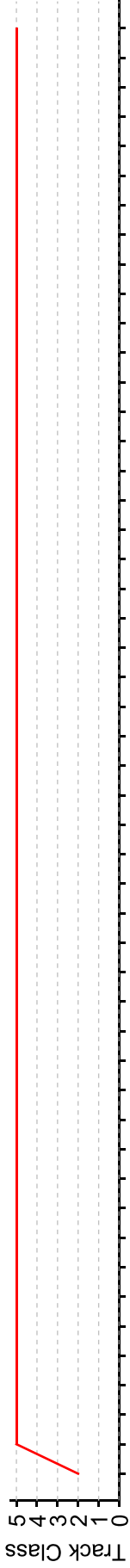
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Run Date: 2016-06-10

Run ID: 2016061001

Milepost 553 to Milepost 238

Amarillo, TX - Wellington, KS

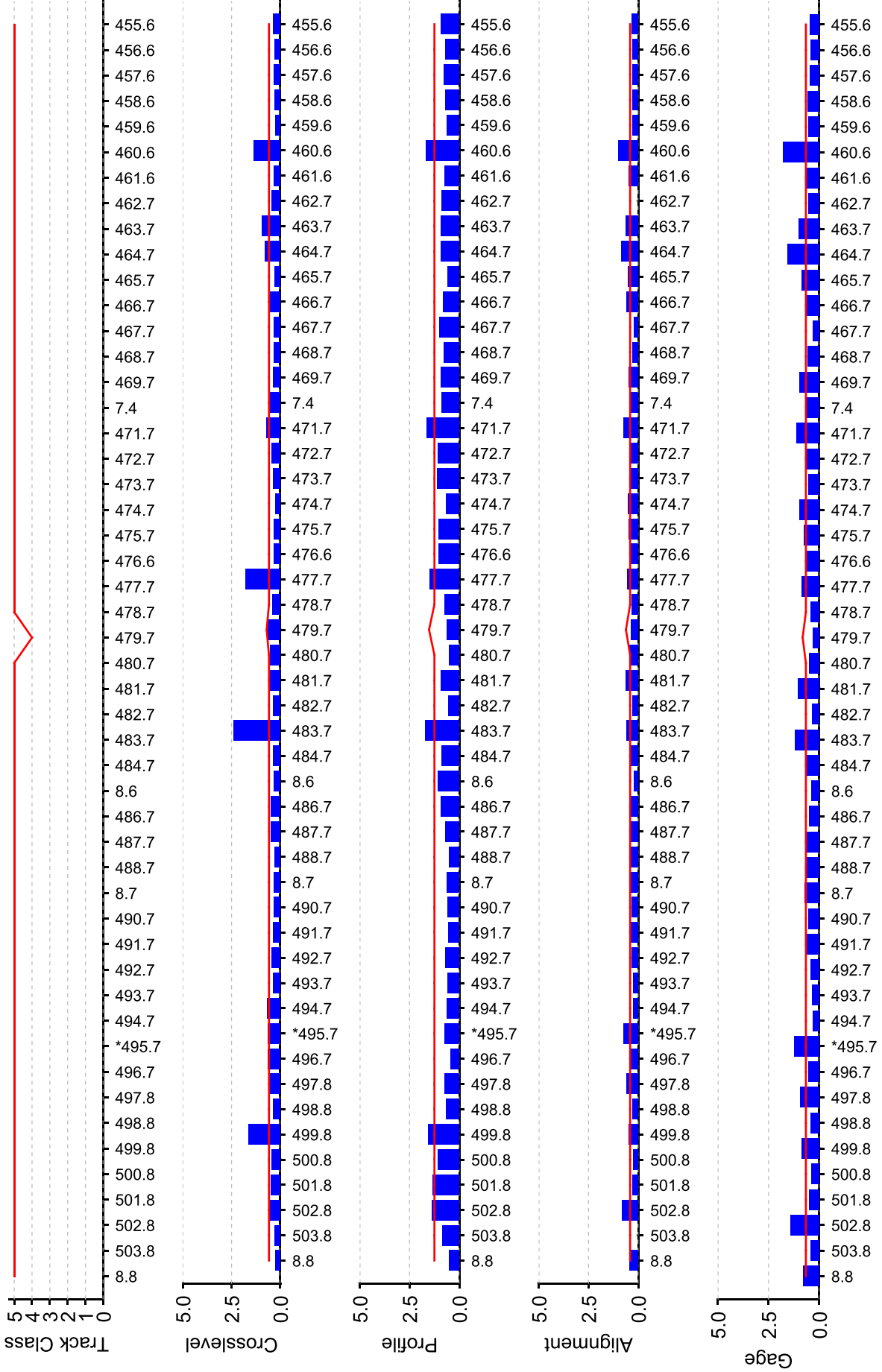


Track Class	Crosslevel	Profile	Alignment	Gage
505.8	0.0	0.0	0.0	0.0
506.8	0.0	0.0	0.0	0.0
507.8	0.0	0.0	0.0	0.0
508.8	0.0	0.0	0.0	0.0
509.8	0.0	0.0	0.0	0.0
510.8	0.0	0.0	0.0	0.0
511.8	0.0	0.0	0.0	0.0
512.8	1.0	0.0	0.0	0.0
*513.8	0.0	0.0	0.0	0.0
*514.8	0.0	0.0	0.0	0.0
515.8	0.0	0.0	0.0	0.0
516.8	0.0	0.0	0.0	0.0
517.8	0.0	0.0	0.0	0.0
518.8	0.0	0.0	0.0	0.0
519.8	0.0	0.0	0.0	0.0
520.8	0.0	0.0	0.0	0.0
521.8	0.0	0.0	0.0	0.0
522.8	0.0	0.0	0.0	0.0
523.8	0.0	0.0	0.0	0.0
524.9	0.0	0.0	0.0	0.0
525.8	0.0	0.0	0.0	0.0
4.9	0.0	0.0	0.0	0.0
527.9	0.0	0.0	0.0	0.0
528.9	0.0	0.0	0.0	0.0
529.9	0.0	0.0	0.0	0.0
530.9	0.0	0.0	0.0	0.0
531.9	0.0	0.0	0.0	0.0
532.9	0.0	0.0	0.0	0.0
533.9	0.0	0.0	0.0	0.0
534.9	0.0	0.0	0.0	0.0
535.9	0.0	0.0	0.0	0.0
*536.9	0.0	0.0	0.0	0.0
537.9	0.0	0.0	0.0	0.0
538.8	0.0	0.0	0.0	0.0
539.9	1.0	0.0	0.0	0.0
540.9	1.0	0.0	0.0	0.0
541.9	0.0	0.0	0.0	0.0
542.9	0.0	0.0	0.0	0.0
*543.9	0.0	0.0	0.0	0.0
544.9	0.0	0.0	0.0	0.0
545.9	0.0	0.0	0.0	0.0
546.9	0.0	0.0	0.0	0.0
547.9	0.0	0.0	0.0	0.0
548.9	0.0	0.0	0.0	0.0
6.9	0.0	0.0	0.0	0.0
550.9	0.0	0.0	0.0	0.0
551.9	0.0	0.0	0.0	0.0
552.9	0.0	0.0	0.0	0.0
553.9	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0

Track Quality Index

Milepost 553 to Milepost 238

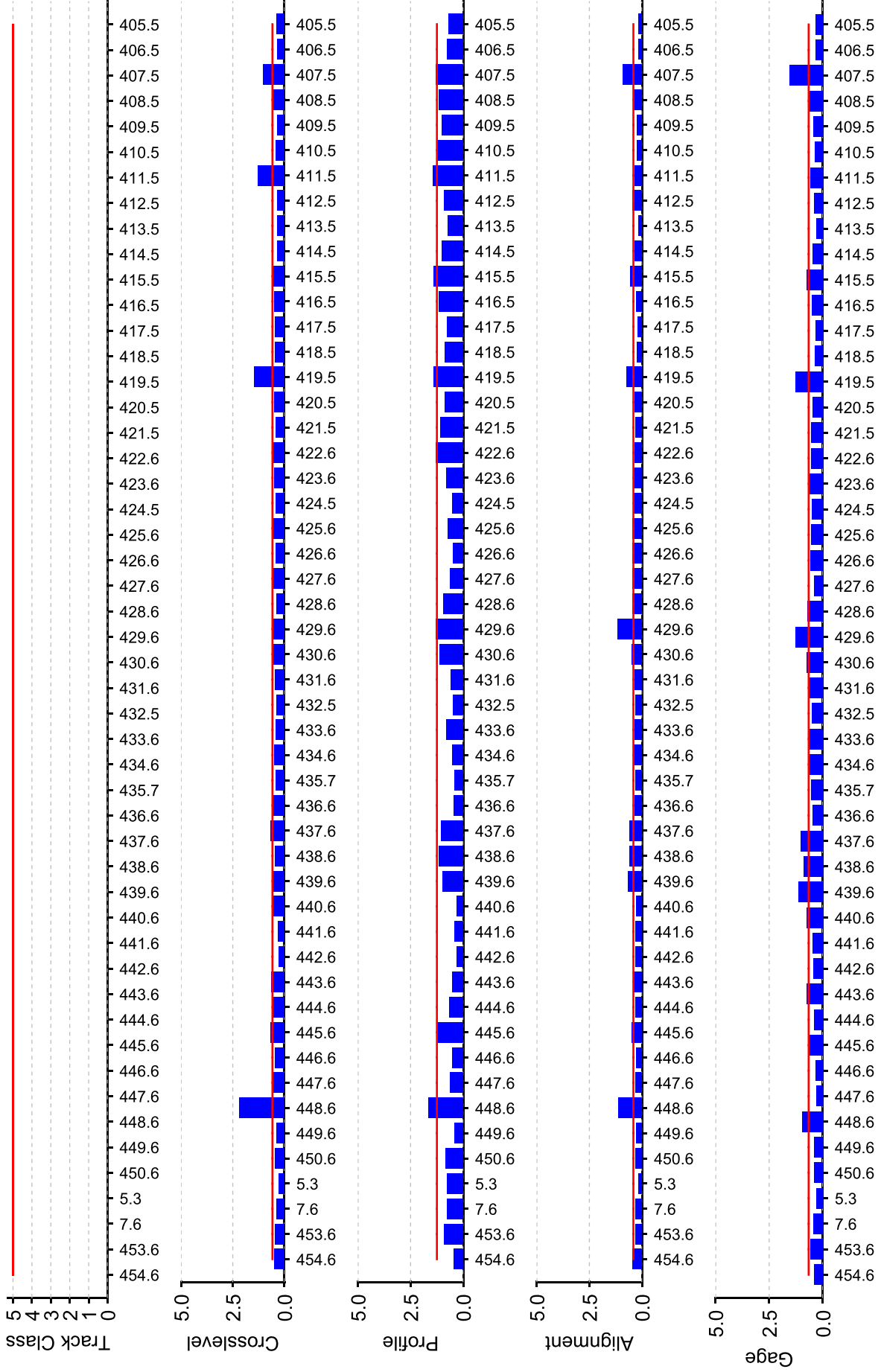
Amarillo, TX - Wellington, KS



Track Quality Index

Milepost 553 to Milepost 238

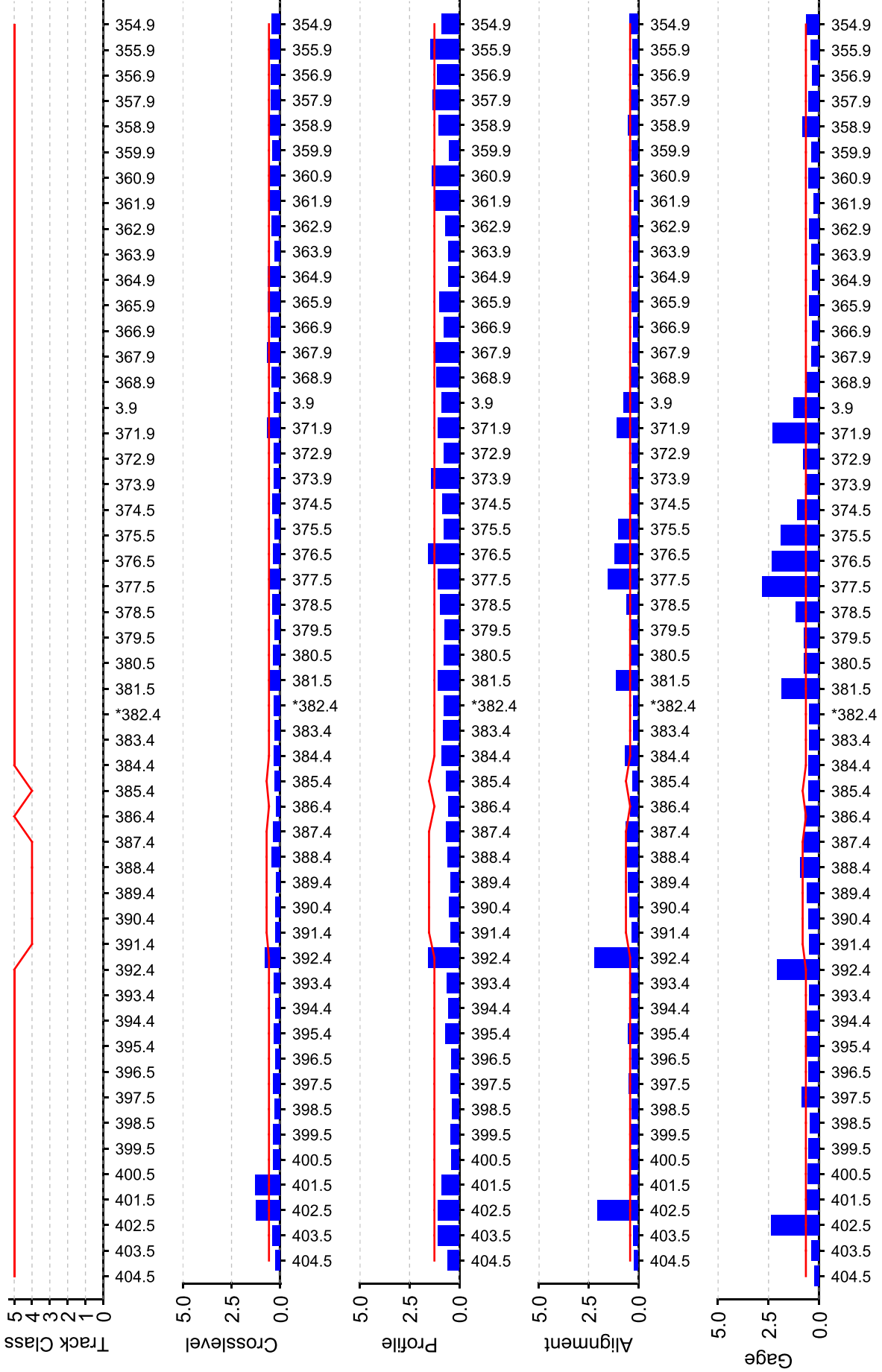
Amarillo, TX - Wellington, KS



Track Quality Index

Milepost 553 to Milepost 238

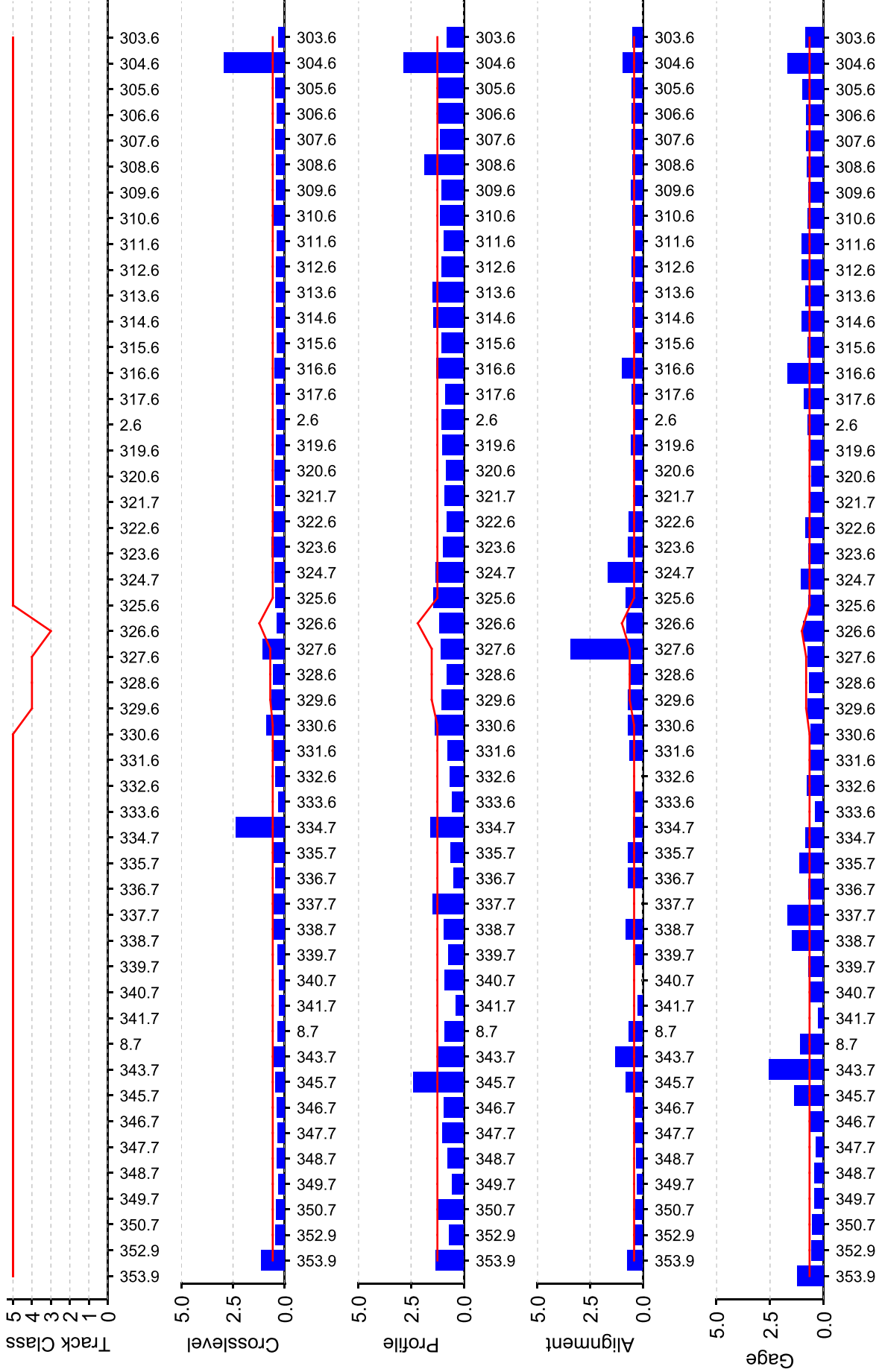
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Track Quality Index

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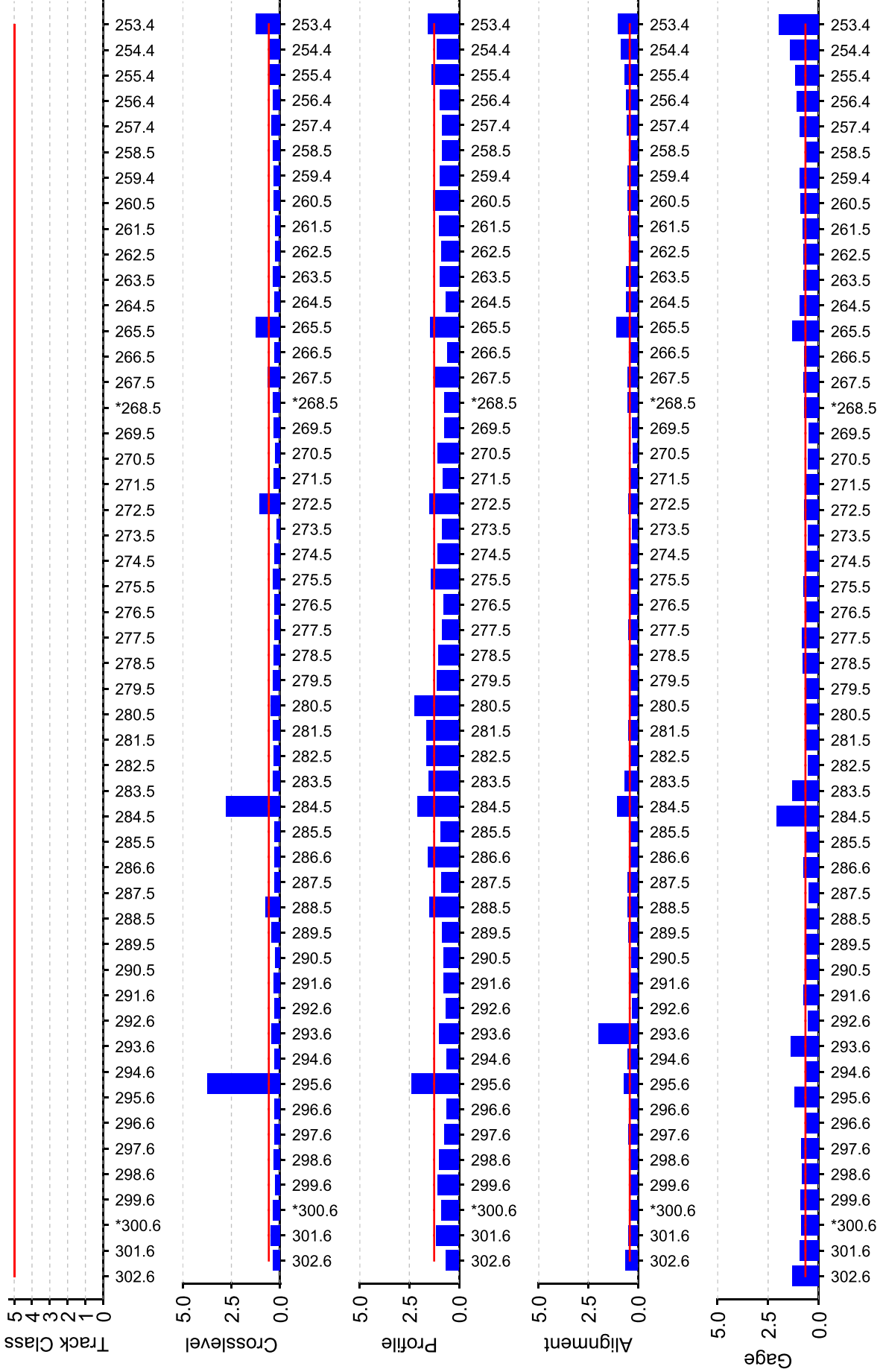
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Milepost 553 to Milepost 238

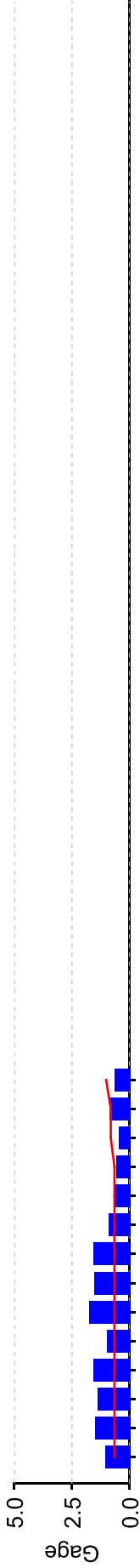
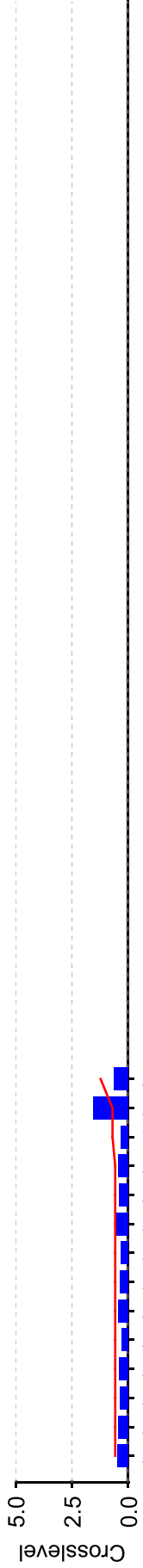
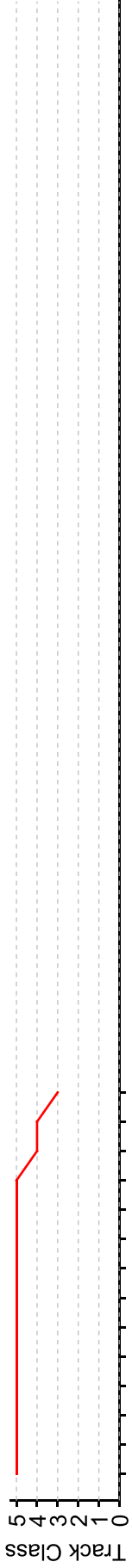
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Milepost 553 to Milepost 238
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MP	FT	Seq#	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
0	147		State Line	TX	0	7	C	0	0	7	35.209094	-101.825816
0	148		Railroad	BNSF -	0	7	C	0	0	7	35.209096	-101.825814
0	149		Subdivision	PANHAN	0	7	C	0	0	7	35.209098	-101.825813
0	149		Class Change	3.00	0	7	C	0	0	7	35.209098	-101.825813
0	149		Posted Speed	30.00	0	7	C	0	0	7	35.209098	-101.825813
0	151		Track Change	0.00	0	7	C	0	0	1	35.209103	-101.825809
0	164		Subdivision	HEREFO	0	7	C	0	0	1	35.209132	-101.825784
553	189		Down Milepost	553.00	0	8	C	0	0	1	35.209189	-101.825733
553	240		Concrete Ties Start	0.00	0	7	B	0	0	1	35.209699	-101.825232
553	1062		Class Change	2.00	0	7	C	0	0	1	35.210853	-101.822947
553	1062		Posted Speed	20.00	0	7	C	0	0	1	35.210853	-101.822947
553	1446		Concrete Ties End	0.00	0	13	E	0	0	1	35.210876	-101.821672
553	1999		Track Change	0.00	0	17	C	0	0	2	35.210598	-101.819858
553	2471		Concrete Ties Start	0.00	0	19	T	0	0	2	35.210388	-101.818302
553	3691		Concrete Ties End	0.00	0	19	E	0	0	2	35.210428	-101.814255
553	5362		Class Change	5.00	0	17	C	0	0	2	35.211335	-101.808791
553	5362		Posted Speed	70.00	0	17	C	0	0	2	35.211335	-101.808791
552	5412		Down Milepost	552.00	0	17	E	0	0	2	35.211370	-101.808626
551	5238		Down Milepost	551.00	0	37	T	0	0	2	35.215089	-101.791751
551	2490		Subdivision	PANHAN	0	45	T	0	0	2	35.216850	-101.783739
550	5290		Down Milepost	550.00	0	48	T	0	0	2	35.218837	-101.774717
549	5413		Down Milepost	6.00	0	43	T	0	0	2	35.222676	-101.757284
548	5262		Down Milepost	548.00	0	44	T	0	0	2	35.226404	-101.740341
547	5257		Down Milepost	547.00	0	42	T	0	0	2	35.230541	-101.723558
546	5278		Down Milepost	546.00	0	38	T	0	0	2	35.235635	-101.707084
545	5279		Down Milepost	545.00	0	43	T	0	0	2	35.240724	-101.690606
544	5244		Down Milepost	544.00	0	42	T	0	0	2	35.245779	-101.674238
542	10771		Down Milepost	542.00	0	54	T	0	0	2	35.256166	-101.640617
541	5206		Down Milepost	541.00	0	54	T	0	0	2	35.261185	-101.624365
541	1624		Class Change	4.00	0	55	T	0	0	2	35.262751	-101.619297
541	2100	9	R Prof 62	1.40	6	55	T	4	5	2	35.263209	-101.617811
541	2240		Class Change	5.00	0	55	T	0	0	2	35.263344	-101.617374
540	5549		Down Milepost	540.00	0	52	T	0	0	2	35.266535	-101.607037
539	5039		Down Milepost	539.00	0	20	T	0	0	2	35.271389	-101.591304
538	5663		Down Milepost	538.00	0	65	T	0	0	2	35.276848	-101.573612
537	4941		Down Milepost	537.00	0	70	T	0	0	2	35.281607	-101.558180
535	10565		Down Milepost	535.00	0	66	T	0	0	2	35.291786	-101.525180
534	5341		Down Milepost	534.00	0	62	T	0	0	2	35.296935	-101.508498
533	5290		Down Milepost	533.00	0	63	T	0	0	2	35.302044	-101.491976

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MP	FT	Seq#	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
532	5291		Down Milepost	532.00	0	67	T	0	0	2	35.307159	-101.475451
531	5328		Down Milepost	531.00	0	67	T	0	0	2	35.312312	-101.458813
530	5272		Down Milepost	530.00	0	52	T	0	0	2	35.317413	-101.442348
529	5312		Down Milepost	529.00	0	34	T	0	0	2	35.322547	-101.425757
529	1684		Class Change	2.00	0	24	T	0	0	2	35.324173	-101.420499
529	1684		Posted Speed	25.00	0	24	T	0	0	2	35.324173	-101.420499
529	3349		Class Change	5.00	0	22	T	0	0	2	35.325782	-101.415294
529	3349		Posted Speed	70.00	0	22	T	0	0	2	35.325782	-101.415294
528	5310		Down Milepost	528.00	0	40	T	0	0	2	35.327675	-101.409165
527	5292		Down Milepost	527.00	0	68	T	0	0	2	35.333750	-101.393169
526	5288		Down Milepost	4.00	0	66	T	0	0	2	35.340904	-101.377809
525	5317		Down Milepost	525.00	0	67	T	0	0	2	35.348112	-101.362383
524	5275		Down Milepost	524.00	0	68	T	0	0	2	35.355250	-101.347068
523	5291		Down Milepost	523.00	0	68	T	0	0	2	35.362410	-101.331702
522	5311		Down Milepost	522.00	0	68	T	0	0	2	35.369593	-101.316278
521	5306		Down Milepost	521.00	0	68	T	0	0	2	35.376770	-101.300868
520	5298		Down Milepost	520.00	0	66	T	0	0	2	35.383932	-101.285479
519	5313		Down Milepost	519.00	0	67	T	0	0	2	35.391113	-101.270044
518	5281		Down Milepost	518.00	0	69	T	0	0	2	35.398250	-101.254698
517	5288		Down Milepost	517.00	0	68	T	0	0	2	35.405398	-101.239321
516	5315		Down Milepost	516.00	0	67	T	0	0	2	35.412583	-101.223864
515	5282		Down Milepost	515.00	0	67	T	0	0	2	35.419721	-101.208496
515	2251		Class Change	5.00	0	66	T	0	0	2	35.422760	-101.201952
515	9802		Class Change	4.00	0	59	T	0	0	2	35.432956	-101.179988
515	9802		Posted Speed	60.00	0	59	T	0	0	2	35.432956	-101.179988
515	10559		Class Change	5.00	0	59	T	0	0	2	35.433973	-101.177783
515	10559		Posted Speed	70.00	0	59	T	0	0	2	35.433973	-101.177783
512	15866		Down Milepost	512.00	0	67	T	0	0	2	35.441132	-101.162345
511	5337		Down Milepost	511.00	0	69	T	0	0	2	35.448327	-101.146813
510	5288		Down Milepost	510.00	0	68	T	0	0	2	35.455457	-101.131419
509	5318		Down Milepost	509.00	0	68	T	0	0	2	35.462626	-101.115930
508	5286		Down Milepost	508.00	0	67	T	0	0	2	35.469751	-101.100531
507	5279		Down Milepost	507.00	0	68	T	0	0	2	35.476866	-101.085148
506	5324		Down Milepost	506.00	0	67	T	0	0	2	35.484041	-101.069633
505	5397		Down Milepost	505.00	0	48	T	0	0	2	35.491307	-101.053913
505	1032		Class Change	4.00	0	45	T	0	0	2	35.492695	-101.050910
505	1032		Posted Speed	60.00	0	45	T	0	0	2	35.492695	-101.050910
505	1464	27	R Align 62	-0.96	11	45	T	4	5	2	35.493276	-101.049651
505	1678		Class Change	5.00	0	45	T	0	0	2	35.493565	-101.049027

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MP	FT	Seq#	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
505	1678		Posted Speed	70.00	0	45	T	0	0	2	35.493565	-101.049027
504	5170		Down Milepost	8.00	0	42	T	0	0	2	35.498266	-101.038850
503	5379		Down Milepost	503.00	0	29	T	0	0	2	35.505504	-101.023176
502	5290		Down Milepost	502.00	0	28	T	0	0	2	35.512622	-101.007758
501	5287		Down Milepost	501.00	0	43	T	0	0	2	35.519716	-100.992334
500	5274		Down Milepost	500.00	0	68	T	0	0	2	35.526821	-100.976958
499	5272		Down Milepost	499.00	0	69	T	0	0	2	35.533892	-100.961571
498	5321		Down Milepost	498.00	0	69	T	0	0	2	35.541050	-100.946056
497	5291		Down Milepost	497.00	0	69	C	0	0	2	35.548283	-100.930720
496	5339		Down Milepost	496.00	0	67	T	0	0	2	35.558242	-100.917758
496	609		Concrete Ties Start	0.00	0	67	T	0	0	2	35.559582	-100.916552
494	10549		Down Milepost	494.00	0	69	T	0	0	2	35.575887	-100.892011
493	5313		Down Milepost	493.00	0	68	T	0	0	2	35.584698	-100.877965
492	5411		Down Milepost	492.00	0	67	T	0	0	2	35.591763	-100.862047
492	344		Concrete Ties End	0.00	0	68	B	0	0	2	35.592180	-100.861020
491	5164		Down Milepost	491.00	0	68	C	0	0	2	35.593541	-100.845130
490	5310		Down Milepost	490.00	0	67	C	0	0	2	35.603814	-100.833318
489	5272		Down Milepost	8.00	0	68	C	0	0	2	35.610512	-100.817707
488	5349		Down Milepost	488.00	0	69	T	0	0	2	35.618452	-100.802779
487	5243		Down Milepost	487.00	0	69	T	0	0	2	35.624998	-100.787224
486	5319		Down Milepost	486.00	0	68	T	0	0	2	35.633964	-100.773487
485	5693		Down Milepost	8.00	0	70	C	0	0	2	35.639880	-100.755893
484	4883		Down Milepost	484.00	0	69	C	0	0	2	35.641353	-100.739617
483	5626		Down Milepost	483.00	0	69	T	0	0	2	35.643887	-100.721019
482	4995		Down Milepost	482.00	0	68	C	0	0	2	35.647999	-100.705104
481	5225		Down Milepost	481.00	0	64	T	0	0	2	35.651172	-100.688030
481	559		Posted Speed	65.00	0	63	T	0	0	2	35.651487	-100.686200
481	925		Concrete Ties Start	0.00	0	63	B	0	0	2	35.651705	-100.685001
481	5221		Concrete Ties End	0.00	0	65	T	0	0	2	35.659449	-100.674752
480	5354		Down Milepost	480.00	0	65	T	0	0	2	35.659790	-100.674579
480	3774		Concrete Ties Start	0.00	0	64	T	0	0	2	35.669322	-100.669722
479	5486		Down Milepost	479.00	0	64	C	0	0	2	35.673315	-100.666809
478	5075		Down Milepost	478.00	0	60	T	0	0	2	35.683006	-100.654912
478	805		Class Change	4.00	0	59	T	0	0	2	35.684568	-100.653012
478	805		Posted Speed	60.00	0	59	T	0	0	2	35.684568	-100.653012
478	5078		Concrete Ties End	0.00	0	58	E	0	0	2	35.690791	-100.641010
477	5288		Down Milepost	477.00	0	59	T	0	0	2	35.691165	-100.640470
477	3565		Class Change	5.00	0	58	S	0	0	2	35.697304	-100.631189
477	3565		Posted Speed	70.00	0	58	S	0	0	2	35.697304	-100.631189

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MP	FT	Seq#	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
476	5558		Down Milepost	476.00	0	60	T	0	0	2	35.700200	-100.625517
475	5183		Down Milepost	475.00	0	67	T	0	0	2	35.709064	-100.612104
474	5120		Down Milepost	474.00	0	67	T	0	0	2	35.719320	-100.600399
473	5329		Down Milepost	473.00	0	68	T	0	0	2	35.729270	-100.587436
472	5281		Down Milepost	472.00	0	68	T	0	0	2	35.736956	-100.572427
471	5322		Down Milepost	471.00	0	60	T	0	0	2	35.742812	-100.556085
469	3825		Down Milepost	469.00	0	60	C	0	0	2	35.756773	-100.524916
469	1049		Class Change	4.00	0	59	E	0	0	2	35.759199	-100.523058
469	1883		Class Change	5.00	0	59	T	0	0	2	35.761274	-100.521892
468	5250		Down Milepost	468.00	0	66	T	0	0	2	35.769661	-100.517203
467	5255		Down Milepost	467.00	0	67	T	0	0	2	35.782744	-100.509884
466	5373		Down Milepost	466.00	0	65	T	0	0	2	35.795909	-100.501841
466	4709		Class Change	4.00	0	59	T	0	0	2	35.807407	-100.494710
466	4709		Posted Speed	60.00	0	59	T	0	0	2	35.807407	-100.494710
465	5304		Down Milepost	465.00	0	58	B	0	0	2	35.808867	-100.493813
465	81		Concrete Ties Start	0.00	0	58	C	0	0	2	35.809068	-100.493704
465	1223		Class Change	5.00	0	58	E	0	0	2	35.812104	-100.492870
465	1223		Posted Speed	70.00	0	58	E	0	0	2	35.812104	-100.492870
465	2011		Concrete Ties End	0.00	0	58	T	0	0	2	35.814255	-100.492650
464	5262		Down Milepost	464.00	0	59	T	0	0	2	35.823039	-100.490915
463	5273		Down Milepost	463.00	0	48	T	0	0	2	35.836704	-100.485683
462	5161		Down Milepost	462.00	0	29	B	0	0	2	35.848556	-100.476237
461	5446		Down Milepost	461.00	0	22	T	0	0	2	35.857535	-100.461833
460	5345		Down Milepost	460.00	0	35	T	0	0	2	35.868076	-100.449712
459	5302		Down Milepost	459.00	0	38	T	0	0	2	35.876835	-100.435586
458	5279		Down Milepost	458.00	0	40	E	0	0	2	35.885292	-100.421264
457	5490		Down Milepost	457.00	0	43	T	0	0	2	35.896413	-100.408847
456	5065		Down Milepost	456.00	0	44	T	0	0	2	35.906671	-100.397389
455	5345		Down Milepost	455.00	0	57	T	0	0	2	35.917495	-100.385297
455	2469		Concrete Ties Start	0.00	0	60	T	0	0	2	35.922490	-100.379715
455	4293		Concrete Ties End	0.00	0	61	E	0	0	2	35.926675	-100.376457
454	5303		Down Milepost	454.00	0	61	T	0	0	2	35.929281	-100.375313
454	2591		Concrete Ties Start	0.00	0	64	T	0	0	2	35.935958	-100.372388
454	3946		Concrete Ties End	0.00	0	68	C	0	0	2	35.939275	-100.370393
454	4368		Concrete Ties Start	0.00	0	68	C	0	0	2	35.940155	-100.369475
453	5377		Down Milepost	453.00	0	69	C	0	0	2	35.941833	-100.366789
452	5491		Down Milepost	7.00	0	66	T	0	0	2	35.940765	-100.348872
452	4102		Class Change	4.00	0	58	T	0	0	2	35.938036	-100.335485
452	4102		Posted Speed	60.00	0	58	T	0	0	2	35.938036	-100.335485

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MP	FT	Seq#	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
451	5051		Down Milepost	451.00	0	57	C	0	0	2	35.937621	-100.332333
451	2509		Class Change	5.00	0	54	T	0	0	2	35.940049	-100.324588
451	2509		Posted Speed	70.00	0	54	T	0	0	2	35.940049	-100.324588
451	4614		Posted Speed	65.00	0	52	T	0	0	2	35.943036	-100.318529
450	3508		Down Milepost	450.00	0	52	C	0	0	2	35.943925	-100.316766
450	4466		Concrete Ties Start	0.00	0	48	C	0	0	2	35.953708	-100.308329
449	5247		Down Milepost	449.00	0	50	T	0	0	2	35.955756	-100.307557
448	5253		Down Milepost	448.00	0	55	T	0	0	2	35.968642	-100.300061
447	5304		Down Milepost	447.00	0	50	T	0	0	2	35.982051	-100.294201
446	5382		Down Milepost	446.00	0	56	C	0	0	2	35.996367	-100.291009
446	1750		Posted Speed	70.00	0	53	E	0	0	2	35.999025	-100.286214
445	5160		Down Milepost	445.00	0	47	T	0	0	2	36.002133	-100.275374
444	5345		Down Milepost	444.00	0	50	T	0	0	2	36.010149	-100.260458
443	5264		Down Milepost	443.00	0	49	T	0	0	2	36.019006	-100.246463
442	5313		Down Milepost	442.00	0	51	T	0	0	2	36.027945	-100.232335
441	5267		Down Milepost	441.00	0	46	E	0	0	2	36.036666	-100.218205
440	5283		Down Milepost	440.00	0	56	T	0	0	2	36.043734	-100.202667
439	5359		Down Milepost	439.00	0	32	T	0	0	2	36.050900	-100.186899
439	3506		Concrete Ties End	0.00	0	44	T	0	0	2	36.055583	-100.176587
439	3767		Concrete Ties Start	0.00	0	48	T	0	0	2	36.055932	-100.175818
439	4436		Concrete Ties End	0.00	0	55	C	0	0	2	36.056828	-100.173851
438	5279		Down Milepost	438.00	0	61	T	0	0	2	36.057976	-100.171384
437	5286		Down Milepost	437.00	0	69	T	0	0	2	36.065032	-100.155832
436	5298		Down Milepost	436.00	0	69	T	0	0	2	36.070772	-100.139472
436	597		Concrete Ties Start	0.00	0	69	T	0	0	2	36.071352	-100.137595
435	4938		Down Milepost	435.00	0	68	T	0	0	2	36.075585	-100.123913
434	5624		Down Milepost	434.00	0	69	T	0	0	2	36.083483	-100.107858
433	5307		Down Milepost	433.00	0	66	B	0	0	2	36.092754	-100.094085
433	5557		Class Change	4.00	0	55	T	0	0	2	36.099776	-100.077497
433	5557		Posted Speed	60.00	0	55	T	0	0	2	36.099776	-100.077497
432	5621		Down Milepost	432.00	0	55	T	0	0	2	36.099854	-100.077300
432	485		Class Change	5.00	0	55	T	0	0	2	36.100440	-100.075835
432	485		Posted Speed	70.00	0	55	T	0	0	2	36.100440	-100.075835
431	4967		Down Milepost	431.00	0	69	T	0	0	2	36.105852	-100.062267
430	5314		Down Milepost	430.00	0	69	T	0	0	2	36.110685	-100.045425
430	4885		Concrete Ties End	0.00	0	67	T	0	0	2	36.115477	-100.030166
429	5298		Down Milepost	429.00	0	67	T	0	0	2	36.116078	-100.028983
428	5264		Down Milepost	428.00	0	69	T	0	0	2	36.123713	-100.013927
428	4334		State Line	OK	0	68	T	0	0	2	36.127840	-100.000419

Exception Report
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 Milepost 553 to Milepost 238
 Amarillo, TX to Wellington, KS

MP	FT	Seq#	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
427	5303		Down Milepost	427.00	0	69	T	0	0	2	36.128271	-99.997190
427	886		Concrete Ties Start	0.00	0	68	T	0	0	2	36.128666	-99.994245
426	5294		Down Milepost	426.00	0	68	T	0	0	2	36.133372	-99.980979
425	5325		Down Milepost	425.00	0	70	C	0	0	2	36.144485	-99.970067
424	5306		Down Milepost	424.00	0	69	T	0	0	2	36.158320	-99.966504
423	5258		Down Milepost	423.00	0	68	C	0	0	2	36.171544	-99.959758
422	5294		Down Milepost	422.00	0	69	T	0	0	2	36.181869	-99.947481
422	2940		Concrete Ties End	0.00	0	67	T	0	0	2	36.188593	-99.942034
421	5391		Down Milepost	421.00	0	68	T	0	0	2	36.194199	-99.937488
420	5348		Down Milepost	420.00	0	69	C	0	0	2	36.206415	-99.927549
419	5283		Down Milepost	419.00	0	69	C	0	0	2	36.217705	-99.916429
418	2086		Down Milepost	418.00	0	69	T	0	0	2	36.230776	-99.909434
417	5338		Down Milepost	417.00	0	69	C	0	0	2	36.244281	-99.902562
416	5313		Down Milepost	416.00	0	69	T	0	0	2	36.258622	-99.899631
415	5189		Down Milepost	415.00	0	70	T	0	0	2	36.270642	-99.891252
414	5294		Down Milepost	414.00	0	48	C	0	0	2	36.280154	-99.877753
413	5383		Down Milepost	413.00	0	43	T	0	0	2	36.285691	-99.861000
412	5238		Down Milepost	412.00	0	30	T	0	0	2	36.290063	-99.844142
411	5356		Down Milepost	411.00	0	16	T	0	0	2	36.294531	-99.826901
410	5240		Down Milepost	410.00	0	67	T	0	0	2	36.298899	-99.810030
409	5243		Down Milepost	409.00	0	69	T	0	0	2	36.303961	-99.793488
409	3152		Concrete Ties Start	0.00	0	69	T	0	0	2	36.307835	-99.783972
409	3352		Concrete Ties End	0.00	0	69	T	0	0	2	36.308081	-99.783368
408	5368		Down Milepost	408.00	0	68	T	0	0	2	36.310561	-99.777276
407	5358		Down Milepost	407.00	0	69	T	0	0	2	36.317319	-99.761203
406	5205		Down Milepost	406.00	0	67	T	0	0	2	36.324154	-99.745762
405	5391		Down Milepost	405.00	0	53	T	0	0	2	36.331230	-99.729766
404	5231		Down Milepost	404.00	0	39	T	0	0	2	36.338091	-99.714241
403	5318		Down Milepost	403.00	0	28	T	0	0	2	36.345062	-99.698453
402	5324		Down Milepost	402.00	0	38	T	0	0	2	36.352036	-99.682644
402	2741		Class Change	4.00	0	49	T	0	0	2	36.355620	-99.674504
402	2802	97	R Align 62	0.88	20	49	B	4	5	2	36.355700	-99.674323
402	2839	101	R Align 62	-1.63	23	48	B	3	5	2	36.355749	-99.674213
402	2841	100	L Align 62	-1.09	18	49	B	4	5	2	36.355751	-99.674207
402	3105	107	L Align 62	-0.87	3	49	T	4	5	2	36.356117	-99.673436
402	3285	108	R Align 62	-0.99	7	49	T	4	5	2	36.356372	-99.672912
402	3285	109	L Align 62	-1.06	10	49	T	4	5	2	36.356372	-99.672912
402	3316	110	L Align 62	0.97	7	50	T	4	5	2	36.356416	-99.672822
402	3361	111	L Align 62	-1.10	7	50	B	4	5	2	36.356479	-99.672692

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MP	FT	Seq#	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
402	3420	119	L Align 62	-0.78	2	49	B	4	5	2	36.356562	-99.672520
402	3525		Track Change	0.00	0	49	C	0	0	1	36.356707	-99.672213
402	3568	122	L Align 62	1.48	20	49	E	4	5	1	36.356765	-99.672086
402	3569	121	R Align 62	1.00	14	49	E	4	5	1	36.356766	-99.672083
402	3578		Class Change	5.00	0	49	E	0	0	1	36.356778	-99.672057
402	3929		Concrete Ties Start	0.00	0	50	T	0	0	1	36.357237	-99.671012
401	5284		Down Milepost	401.00	0	55	T	0	0	1	36.359011	-99.666980
400	5263		Down Milepost	400.00	0	69	T	0	0	1	36.365897	-99.651330
399	5334		Down Milepost	399.00	0	69	T	0	0	1	36.372870	-99.635462
398	5241		Down Milepost	398.00	0	69	T	0	0	1	36.379716	-99.619868
397	5349		Down Milepost	397.00	0	67	T	0	0	1	36.386698	-99.603945
396	5315		Down Milepost	396.00	0	68	T	0	0	1	36.393634	-99.588122
395	5356		Down Milepost	395.00	0	69	T	0	0	1	36.400625	-99.572175
395	4211		Concrete Ties End	0.00	0	65	E	0	0	1	36.406059	-99.559601
394	5234		Down Milepost	394.00	0	64	T	0	0	1	36.407393	-99.556552
393	5310		Down Milepost	393.00	0	54	T	0	0	1	36.415020	-99.541306
392	5310		Down Milepost	392.00	0	54	T	0	0	1	36.423148	-99.526498
392	1680		Concrete Ties Start	0.00	0	54	T	0	0	1	36.425121	-99.521368
391	5287		Down Milepost	391.00	0	47	T	0	0	1	36.430121	-99.510830
391	988		Class Change	4.00	0	48	T	0	0	1	36.431544	-99.507986
391	1018	129	L Align 62	-0.83	1	48	B	4	5	1	36.431587	-99.507900
391	1042	130	L Align 62	-0.75	7	48	B	4	5	1	36.431621	-99.507830
391	1073	134	R Align 62	1.31	22	48	B	4	5	1	36.431666	-99.507741
391	1074	133	L Align 62	1.57	21	48	B	3	5	1	36.431668	-99.507738
391	1255	137	L Align 62	1.06	5	48	E	4	5	1	36.431916	-99.507208
391	1286	140	L Align 62	-0.86	2	48	E	4	5	1	36.431958	-99.507117
391	1600	143	R Align 62	0.96	12	48	B	4	5	1	36.432379	-99.506189
391	1626	148	R Align 62	-1.18	7	48	B	4	5	1	36.432414	-99.506111
391	1801	153	L Align 62	-1.08	15	48	E	4	5	1	36.432656	-99.505599
391	1801	155	R Align 62	-1.57	16	48	E	3	5	1	36.432656	-99.505599
391	1802		Class Change	5.00	0	48	C	0	0	1	36.432657	-99.505596
391	1986		Track Change	0.00	0	49	T	0	0	2	36.432922	-99.505066
391	2312		Concrete Ties End	0.00	0	49	T	0	0	2	36.433391	-99.504128
390	5281		Down Milepost	390.00	0	48	T	0	0	2	36.437667	-99.495576
390	612		Class Change	4.00	0	48	B	0	0	2	36.438547	-99.493818
390	612		Posted Speed	50.00	0	48	B	0	0	2	36.438547	-99.493818
389	5319		Down Milepost	389.00	0	50	T	0	0	2	36.449085	-99.484985
388	5256		Down Milepost	388.00	0	47	T	0	0	2	36.450085	-99.471696
387	5272		Down Milepost	387.00	0	49	B	0	0	2	36.437496	-99.462966

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MP	FT	Seq#	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
386	5310		Down Milepost	386.00	0	39	T	0	0	2	36.438491	-99.447538
386	3241		Class Change	5.00	0	42	E	0	0	2	36.441614	-99.437509
386	3241		Posted Speed	79.00	0	42	E	0	0	2	36.441614	-99.437509
386	3986		Posted Speed	70.00	0	44	T	0	0	2	36.441559	-99.434987
385	5364		Down Milepost	385.00	0	45	T	0	0	2	36.441455	-99.430319
385	4677		Class Change	4.00	0	26	T	0	0	2	36.441104	-99.414487
385	4677		Posted Speed	50.00	0	26	T	0	0	2	36.441104	-99.414487
384	5288		Down Milepost	384.00	0	21	B	0	0	2	36.441050	-99.412414
383	5282		Down Milepost	383.00	0	47	C	0	0	2	36.437972	-99.394946
383	437		Class Change	5.00	0	48	T	0	0	2	36.437817	-99.393480
383	437		Posted Speed	70.00	0	48	T	0	0	2	36.437817	-99.393480
381	10153		Down Milepost	381.00	0	67	T	0	0	2	36.434210	-99.359231
380	5269		Down Milepost	380.00	0	67	T	0	0	2	36.432504	-99.341524
380	4279		Class Change	4.00	0	63	C	0	0	2	36.431467	-99.327096
380	4279		Posted Speed	65.00	0	63	C	0	0	2	36.431467	-99.327096
379	5288		Down Milepost	379.00	0	64	E	0	0	2	36.432015	-99.323755
379	1630		Class Change	5.00	0	67	T	0	0	2	36.433413	-99.318517
379	1630		Posted Speed	70.00	0	67	T	0	0	2	36.433413	-99.318517
378	5320		Down Milepost	378.00	0	69	C	0	0	2	36.436290	-99.306552
377	5276		Down Milepost	377.00	0	68	T	0	0	2	36.437045	-99.288705
376	5351		Down Milepost	376.00	0	69	T	0	0	2	36.437762	-99.270606
375	5289		Down Milepost	375.00	0	68	T	0	0	2	36.438467	-99.252719
374	5296		Down Milepost	374.00	0	70	T	0	0	2	36.439171	-99.234805
373	2460		Down Milepost	373.00	0	70	T	0	0	2	36.439498	-99.226484
372	5289		Down Milepost	372.00	0	70	T	0	0	2	36.440199	-99.208594
371	5323		Down Milepost	371.00	0	70	T	0	0	2	36.440900	-99.190587
370	5293		Down Milepost	3.00	0	69	T	0	0	2	36.441597	-99.172681
368	5298		Down Milepost	368.00	0	68	T	0	0	2	36.442294	-99.154755
367	5288		Down Milepost	367.00	0	70	T	0	0	2	36.442939	-99.136858
366	5242		Down Milepost	366.00	0	69	T	0	0	2	36.443034	-99.119118
366	714		Concrete Ties Start	0.00	0	68	T	0	0	2	36.442928	-99.116707
365	5365		Down Milepost	365.00	0	69	T	0	0	2	36.445470	-99.101563
364	5251		Down Milepost	364.00	0	69	C	0	0	2	36.451782	-99.085588
363	5362		Down Milepost	363.00	0	69	T	0	0	2	36.450398	-99.067979
362	5267		Down Milepost	362.00	0	66	C	0	0	2	36.450460	-99.050707
362	3359		Concrete Ties End	0.00	0	47	T	0	0	2	36.456596	-99.042428
361	5305		Down Milepost	361.00	0	43	T	0	0	2	36.460964	-99.038655
361	87		Concrete Ties Start	0.00	0	43	T	0	0	2	36.461158	-99.038487
360	5307		Down Milepost	360.00	0	53	T	0	0	2	36.472870	-99.028360

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MP	FT	Seq#	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
359	5290		Down Milepost	359.00	0	60	B	0	0	2	36.484736	-99.018094
359	3229		Concrete Ties End	0.00	0	57	T	0	0	2	36.491112	-99.010542
358	5349		Down Milepost	358.00	0	51	T	0	0	2	36.495027	-99.005235
357	5234		Down Milepost	357.00	0	43	C	0	0	2	36.500241	-98.989317
356	5294		Down Milepost	356.00	0	52	C	0	0	2	36.499219	-98.971412
356	1718		Concrete Ties Start	0.00	0	52	T	0	0	2	36.498049	-98.965791
355	4984		Down Milepost	355.00	0	47	C	0	0	2	36.495834	-98.955125
354	5615		Down Milepost	354.00	0	48	C	0	0	2	36.502497	-98.938794
353	5345		Down Milepost	353.00	0	54	C	0	0	2	36.516448	-98.936149
353	1485		Concrete Ties End	0.00	0	54	T	0	0	2	36.520158	-98.938188
352	5262		Down Milepost	352.00	0	46	T	0	0	2	36.529606	-98.943332
351	5308		Down Milepost	351.00	0	60	T	0	0	2	36.544042	-98.944421
350	1140		Down Milepost	350.00	0	66	T	0	0	2	36.547164	-98.944395
349	5234		Down Milepost	349.00	0	68	C	0	0	2	36.559160	-98.936534
348	5368		Down Milepost	348.00	0	65	T	0	0	2	36.562809	-98.918959
347	5322		Down Milepost	347.00	0	43	T	0	0	2	36.567544	-98.902084
346	5279		Down Milepost	346.00	0	48	C	0	0	2	36.576697	-98.888332
345	5301		Down Milepost	345.00	0	30	T	0	0	2	36.589725	-98.880541
345	5271		Class Change	4.00	0	29	T	0	0	2	36.603386	-98.874804
345	5271		Posted Speed	60.00	0	29	T	0	0	2	36.603386	-98.874804
344	5307		Up Milepost	345.00	0	29	T	0	0	2	36.603483	-98.874764
344	1952		Class Change	5.00	0	29	T	0	0	2	36.608305	-98.871975
344	1952		Posted Speed	70.00	0	29	T	0	0	2	36.608305	-98.871975
343	5306		Down Milepost	343.00	0	39	T	0	0	2	36.616058	-98.865889
342	5260		Down Milepost	8.00	0	50	T	0	0	2	36.627850	-98.855644
341	5317		Down Milepost	341.00	0	47	T	0	0	2	36.639790	-98.845324
341	564		Concrete Ties Start	0.00	0	45	T	0	0	2	36.641053	-98.844231
340	5313		Down Milepost	340.00	0	29	T	0	0	2	36.651718	-98.835013
340	4175		Concrete Ties End	0.00	0	25	T	0	0	2	36.661092	-98.826909
339	5288		Down Milepost	339.00	0	24	T	0	0	2	36.663546	-98.824659
338	5306		Down Milepost	338.00	0	29	T	0	0	2	36.675043	-98.813636
337	5278		Down Milepost	337.00	0	29	T	0	0	2	36.686472	-98.802667
337	4434		Class Change	4.00	0	25	C	0	0	2	36.696196	-98.793673
337	4434		Posted Speed	60.00	0	25	C	0	0	2	36.696196	-98.793673
336	5307		Down Milepost	336.00	0	24	T	0	0	2	36.698336	-98.792343
336	358	187	L Prof 62	-1.45	4	24	T	4	5	2	36.699214	-98.791810
336	985		Class Change	5.00	0	17	T	0	0	2	36.700756	-98.790873
336	985		Posted Speed	70.00	0	17	T	0	0	2	36.700756	-98.790873
336	4337		Concrete Ties Start	0.00	0	30	T	0	0	2	36.708776	-98.785356

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 Milepost 553 to Milepost 238
 Amarillo, TX to Wellington, KS

MP	FT	Seq#	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
335	5285		Down Milepost	335.00	0	29	T	0	0	2	36.710909	-98.783512
334	5288		Down Milepost	334.00	0	29	T	0	0	2	36.722621	-98.772928
333	5300		Down Milepost	333.00	0	28	T	0	0	2	36.734005	-98.761712
332	5290		Down Milepost	332.00	0	29	T	0	0	2	36.745370	-98.750515
331	5282		Down Milepost	331.00	0	23	T	0	0	2	36.757188	-98.740134
330	5288		Down Milepost	330.00	0	41	T	0	0	2	36.769226	-98.730074
330	3595		Concrete Ties End	0.00	0	47	T	0	0	2	36.777408	-98.723274
329	5265		Down Milepost	329.00	0	47	T	0	0	2	36.781206	-98.720096
329	5105		Class Change	4.00	0	42	T	0	0	2	36.791416	-98.708281
329	5105		Posted Speed	55.00	0	42	T	0	0	2	36.791416	-98.708281
328	5323		Down Milepost	328.00	0	41	T	0	0	2	36.791834	-98.707747
327	5302		Down Milepost	327.00	0	30	C	0	0	2	36.805472	-98.703280
327	3055	200	L Align 62	-0.79	8	27	B	4	5	2	36.812108	-98.697014
327	3097	201	Twist 31ft*	1.12	18	27	B	3	5	2	36.812191	-98.696919
327	3112	202	R Align 62	0.87	3	27	B	4	5	2	36.812220	-98.696884
327	3117	203	R Align 62	0.75	1	26	B	4	5	2	36.812230	-98.696872
326	5218		Down Milepost	326.00	0	22	T	0	0	2	36.814241	-98.690395
326	2433	206	R Align 62	0.91	23	37	B	4	5	2	36.813408	-98.682233
326	2435	205	L Align 62	0.97	23	37	B	4	5	2	36.813407	-98.682227
326	2493	210	R Align 62	-1.80	60	38	C	2	5	2	36.813368	-98.682035
326	2496	209	L Align 62	-1.74	61	38	C	3	5	2	36.813366	-98.682025
326	2567	213	L Align 62	1.57	36	39	E	3	5	2	36.813326	-98.681789
326	2569	212	R Align 62	1.47	34	38	E	4	5	2	36.813325	-98.681782
326	2695	214	R Align 62	-0.85	8	40	C	4	5	2	36.813249	-98.681362
326	2871		Track Change	0.00	0	42	E	0	0	5	36.813138	-98.680778
326	2877	217	L Align 62	1.40	19	42	E	4	5	5	36.813134	-98.680758
326	2878	216	R Align 62	1.06	12	42	E	4	5	5	36.813133	-98.680754
326	2927	218	L Align 62	-0.77	7	42	E	4	5	5	36.813099	-98.680593
325	5260		Down Milepost	325.00	0	46	T	0	0	5	36.810872	-98.673150
325	3321		Class Change	3.00	0	37	C	0	0	5	36.811810	-98.662737
325	3321		Posted Speed	40.00	0	37	C	0	0	5	36.811810	-98.662737
325	4638		Class Change	4.00	0	38	T	0	0	5	36.814944	-98.660583
325	4638		Posted Speed	55.00	0	38	T	0	0	5	36.814944	-98.660583
324	5220		Down Milepost	324.00	0	41	T	0	0	5	36.816424	-98.659839
324	2298	219	L Align 62	-0.73	1	52	C	4	5	5	36.821058	-98.654850
324	2874		Class Change	5.00	0	53	E	0	0	5	36.821630	-98.653025
324	2874		Posted Speed	70.00	0	53	E	0	0	5	36.821630	-98.653025
323	5345		Down Milepost	323.00	0	49	T	0	0	5	36.823620	-98.644982
323	1275		Class Change	4.00	0	48	B	0	0	5	36.824652	-98.640839

Exception Report
 Class Plus 1 Exception List Section
 Milepost 553 to Milepost 238
 Amarillo, TX to Wellington, KS

MP	FT	Seq#	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
323	1275		Posted Speed	50.00	0	48	B	0	0	5	36.824652	-98.640839
323	1304	223	L Align 62	-0.99	18	47	B	4	5	5	36.824675	-98.640745
323	1305	224	R Align 62	-0.90	19	47	B	4	5	5	36.824676	-98.640742
323	1342	227	R Align 62	1.33	19	47	B	4	5	5	36.824707	-98.640621
323	1343	228	L Align 62	1.59	25	48	B	3	5	5	36.824707	-98.640618
323	1404		Track Change	0.00	0	48	C	0	0	2	36.824754	-98.640419
323	1584		Concrete Ties Start	0.00	0	48	T	0	0	2	36.824882	-98.639827
323	1952		Class Change	5.00	0	49	C	0	0	2	36.825138	-98.638613
323	1952		Posted Speed	70.00	0	49	C	0	0	2	36.825138	-98.638613
322	5313		Down Milepost	322.00	0	63	T	0	0	2	36.828179	-98.627823
321	5239		Down Milepost	321.00	0	71	T	0	0	2	36.837163	-98.614406
320	5307		Down Milepost	320.00	0	70	T	0	0	2	36.849957	-98.605818
319	5292		Down Milepost	319.00	0	68	T	0	0	2	36.862714	-98.597249
318	5295		Down Milepost	2.00	0	70	T	0	0	2	36.875495	-98.588717
318	305		Concrete Ties End	0.00	0	69	B	0	0	2	36.876239	-98.588248
317	5296		Down Milepost	317.00	0	68	T	0	0	2	36.888268	-98.580173
316	5300		Down Milepost	316.00	0	68	T	0	0	2	36.901030	-98.571591
315	5294		Down Milepost	315.00	0	70	T	0	0	2	36.913780	-98.563014
314	5298		Down Milepost	314.00	0	68	T	0	0	2	36.926540	-98.554429
313	5305		Down Milepost	313.00	0	69	T	0	0	2	36.939313	-98.545829
313	1190		Class Change	3.00	0	69	T	0	0	2	36.942173	-98.543904
313	2079		Class Change	5.00	0	69	T	0	0	2	36.944316	-98.542462
312	5302		Down Milepost	312.00	0	69	C	0	0	2	36.952083	-98.537240
311	5292		Down Milepost	311.00	0	69	T	0	0	2	36.964962	-98.528977
310	5294		Down Milepost	310.00	0	69	T	0	0	2	36.977845	-98.520707
309	5298		Down Milepost	309.00	0	69	T	0	0	2	36.989709	-98.510581
309	4407		State Line	KS	0	68	T	0	0	2	36.999953	-98.502779
308	5286		Down Milepost	308.00	0	68	T	0	0	2	37.002088	-98.501391
307	5176		Down Milepost	307.00	0	69	T	0	0	2	37.014587	-98.493079
306	5429		Down Milepost	306.00	0	70	C	0	0	2	37.027786	-98.484574
305	5279		Down Milepost	305.00	0	67	T	0	0	2	37.038379	-98.472340
304	5332		Down Milepost	304.00	0	68	T	0	0	2	37.048898	-98.459712
303	5266		Down Milepost	303.00	0	70	T	0	0	2	37.059284	-98.447246
302	5287		Down Milepost	302.00	0	69	T	0	0	2	37.069713	-98.434717
301	5300		Down Milepost	301.00	0	67	T	0	0	2	37.080162	-98.422155
299	10598		Down Milepost	299.00	0	69	T	0	0	2	37.101062	-98.397024
298	5272		Down Milepost	298.00	0	57	T	0	0	2	37.111450	-98.384520
297	5341		Down Milepost	297.00	0	45	T	0	0	2	37.121975	-98.371855
296	5266		Down Milepost	296.00	0	52	T	0	0	2	37.132351	-98.359362

Exception Report
 Class Plus 1 Exception List Section
 Milepost 553 to Milepost 238
 Amarillo, TX to Wellington, KS

MP	FT	Seq#	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
295	5312		Down Milepost	295.00	0	55	T	0	0	2	37.142833	-98.346773
294	5305		Down Milepost	294.00	0	31	T	0	0	2	37.153274	-98.334156
293	5298		Down Milepost	293.00	0	28	T	0	0	2	37.163713	-98.321572
292	5255		Down Milepost	292.00	0	9	E	0	0	2	37.174067	-98.309090
291	5349		Down Milepost	291.00	0	46	T	0	0	2	37.184599	-98.296384
290	5300		Down Milepost	290.00	0	53	T	0	0	2	37.195035	-98.283786
289	5289		Down Milepost	289.00	0	50	T	0	0	2	37.205440	-98.271217
288	5310		Down Milepost	288.00	0	54	T	0	0	2	37.215891	-98.258589
288	1462		Concrete Ties End	0.00	0	52	T	0	0	2	37.218746	-98.255090
287	5292		Down Milepost	287.00	0	49	T	0	0	2	37.226253	-98.245933
287	2229		Concrete Ties Start	0.00	0	49	T	0	0	2	37.230638	-98.240629
286	5188		Down Milepost	286.00	0	46	C	0	0	2	37.235975	-98.233058
286	1878		Concrete Ties End	0.00	0	47	T	0	0	2	37.237910	-98.227116
285	5389		Down Milepost	285.00	0	48	T	0	0	2	37.241144	-98.215791
284	5391		Down Milepost	284.00	0	46	T	0	0	2	37.246117	-98.198411
283	5178		Down Milepost	283.00	0	56	T	0	0	2	37.250853	-98.181697
282	5311		Down Milepost	282.00	0	63	T	0	0	2	37.255710	-98.164557
281	5295		Down Milepost	281.00	0	63	T	0	0	2	37.260514	-98.147447
280	5288		Down Milepost	280.00	0	64	T	0	0	2	37.265352	-98.130366
279	5303		Down Milepost	279.00	0	64	T	0	0	2	37.270236	-98.113258
278	5173		Down Milepost	278.00	0	63	T	0	0	2	37.274959	-98.096547
277	5418		Down Milepost	277.00	0	57	T	0	0	2	37.279907	-98.079045
276	5296		Down Milepost	276.00	0	51	T	0	0	2	37.284739	-98.061936
275	5298		Down Milepost	275.00	0	50	T	0	0	2	37.289572	-98.044814
274	5306		Down Milepost	274.00	0	49	T	0	0	2	37.291238	-98.026928
273	5190		Down Milepost	273.00	0	50	T	0	0	2	37.290717	-98.009167
272	5397		Down Milepost	272.00	0	49	T	0	0	2	37.290850	-97.990682
271	5234		Down Milepost	271.00	0	58	T	0	0	2	37.290977	-97.972745
270	5404		Down Milepost	270.00	0	59	T	0	0	2	37.291090	-97.954230
269	5237		Down Milepost	269.00	0	62	T	0	0	2	37.291177	-97.936279
267	10605		Down Milepost	267.00	0	52	C	0	0	2	37.290811	-97.899992
266	5290		Down Milepost	266.00	0	39	T	0	0	2	37.285033	-97.883385
265	5299		Down Milepost	265.00	0	41	T	0	0	2	37.279008	-97.866866
264	5289		Down Milepost	264.00	0	32	T	0	0	2	37.272991	-97.850381
263	5299		Down Milepost	263.00	0	28	T	0	0	2	37.267318	-97.833685
262	5299		Down Milepost	262.00	0	29	C	0	0	2	37.263251	-97.816351
261	5293		Down Milepost	261.00	0	42	T	0	0	2	37.263324	-97.798227
260	5296		Down Milepost	260.00	0	41	T	0	0	2	37.263409	-97.780093
259	5361		Down Milepost	259.00	0	44	T	0	0	2	37.263492	-97.761725

Exception Report
 Class Plus 1 Exception List Section
 Milepost 553 to Milepost 238
 Amarillo, TX to Wellington, KS

MP	FT	Seq#	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
258	5248		Down Milepost	258.00	0	68	T	0	0	2	37.263568	-97.743760
257	5312		Down Milepost	257.00	0	67	T	0	0	2	37.263644	-97.725571
256	5281		Down Milepost	256.00	0	68	B	0	0	2	37.261930	-97.707761
255	5304		Down Milepost	255.00	0	66	T	0	0	2	37.259220	-97.690032
254	5276		Down Milepost	254.00	0	66	T	0	0	2	37.259740	-97.671974
253	5289		Down Milepost	253.00	0	66	T	0	0	2	37.260257	-97.653874
252	5309		Down Milepost	252.00	0	68	T	0	0	2	37.260515	-97.635694
251	5178		Down Milepost	251.00	0	66	T	0	0	2	37.260459	-97.617960
250	5420		Down Milepost	250.00	0	69	T	0	0	2	37.260495	-97.599397
249	5293		Down Milepost	249.00	0	69	T	0	0	2	37.260812	-97.581275
248	5280		Down Milepost	248.00	0	64	T	0	0	2	37.261128	-97.563202
247	5325		Down Milepost	247.00	0	53	T	0	0	2	37.261444	-97.544968
246	5276		Down Milepost	246.00	0	52	E	0	0	2	37.261793	-97.526904
245	5314		Down Milepost	245.00	0	53	T	0	0	2	37.262615	-97.508737
244	5287		Down Milepost	244.00	0	40	T	0	0	2	37.263428	-97.490664
243	5325		Down Milepost	243.00	0	29	T	0	0	2	37.264246	-97.472459
242	5297		Down Milepost	242.00	0	26	E	0	0	2	37.264844	-97.454349
240	10837		Down Milepost	240.00	0	27	T	0	0	2	37.261840	-97.417417
240	1233		Class Change	4.00	0	28	T	0	0	2	37.261502	-97.413223
240	1233		Posted Speed	60.00	0	28	T	0	0	2	37.261502	-97.413223
240	1979	293	R Prof 62	-1.45	3	28	T	4	5	2	37.261230	-97.410690
239	5048		Down Milepost	239.00	0	17	T	0	0	2	37.260576	-97.400247
239	222	295	Crosslevel	-1.13	3	15	T	4	5	2	37.260593	-97.399492
239	547	296	Crosslevel	-1.18	20	15	T	4	5	2	37.260618	-97.398378
239	5333		Class Change	3.00	0	27	T	0	0	2	37.261247	-97.382004
239	5333		Posted Speed	40.00	0	27	T	0	0	2	37.261247	-97.382004
238	5374		Down Milepost	238.00	0	27	T	0	0	2	37.261253	-97.381860
238	2034		Subdivision	EMPORI	0	19	T	0	0	2	37.261763	-97.374935

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 553 to Milepost 238
 Amarillo, TX to Wellington, KS

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	
541	1624	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	2
505	1032	-	-	-	-	-	1	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	2
402	2741	-	-	-	-	-	9	97	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	5	2
402	3525	-	-	-	-	-	2	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	1
391	988	-	-	-	-	-	10	108	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	5	1
336	5307	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	2
327	5302	-	-	-	-	-	3	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	18	1	-	-	-	-	3	5	2
326	5218	-	-	-	-	-	7	245	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	5	2
326	2871	-	-	-	-	-	3	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	5
324	5220	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	5
323	1275	-	-	-	-	-	4	81	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	5	5
240	1233	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	2
239	5048	-	-	-	-	-	-	-	-	2	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	2
		-	-	-	-	-	40	627	7	2	23	-	-	-	-	3	13	-	-	-	-	-	-	-	1	18	1	-	-	-	-			

Total Miles: 314.70
Exceptions per 100 Miles: 14.62
CY15 National Average Exceptions per 100 miles: 9.9

Exception Report
 Alignment 62 MCO Stations
 Milepost 553 to Milepost 238
 Amarillo, TX to Wellington, KS

Page 1 of 2
 Run Date: 06/10/2016
 Run ID: 2016061001

MP	FT	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
437	1388	R Align 62	0.83	12	69	B	4	5	2	36.066872	-100.151744

	MP	FT	LAlign62	LAlignMCO	RAlign62	RAlignMCO	Curve	Xlevel	Gage
1	437	1326			-0.32	0.71	0.95	1.3	56.96
2	437	1342			-0.62	0.47	1.04	1.33	56.94
3	437	1357			-0.14	0.95	1.12	1.37	56.91
4	437	1373			0.59	1.71	1.18	1.77	56.53
5	437	1388			0.83	1.96	1.22	1.72	56.45
6	437	1403			0.13	1.28	1.23	1.68	56.9
7	437	1419			-0.41	0.82	1.23	1.59	57.19
8	437	1434			-0.11	1.12	1.2	1.54	56.96
9	437	1450			0.01	1.16	1.16	1.62	56.96

AVG 1.13

MP	FT	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
402	2839	R Align 62	-1.63	2	48	B	3	4	2	36.355749	-99.674213

	MP	FT	LAlign62	LAlignMCO	RAlign62	RAlignMCO	Curve	Xlevel	Gage
1	402	2777			0.37	-0.03	-0.32	-0.08	56.63
2	402	2793			0.78	0.18	-0.5	-0.1	56.5
3	402	2808			0.85	0.17	-0.74	0.08	56.46
4	402	2824			-0.43	-1.27	-1.0	0.11	56.59
5	402	2839			-1.63	-2.61	-1.14	0.05	56.82
6	402	2854			-0.58	-1.68	-1.28	0.13	56.71
7	402	2870			0.49	-0.75	-1.38	-0.18	56.06
8	402	2885			-0.14	-1.5	-1.36	0.07	56.63
9	402	2901			-0.08	-1.44	-1.33	-0.0	56.54

AVG -0.99

MP	FT	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
326	2493	R Align 62	-1.80	17	38	C	2	4	2	36.813368	-98.682035

	MP	FT	LAlign62	LAlignMCO	RAlign62	RAlignMCO	Curve	Xlevel	Gage
1	326	2431			0.89	0.0	-1.5	0.05	56.44
2	326	2447			0.53	0.0	-1.91	-0.07	56.49
3	326	2462			-0.55	0.0	-2.22	-0.34	56.43
4	326	2478			-1.48	0.0	-2.42	-0.61	56.46
5	326	2493			-1.8	0.0	-2.39	-0.64	56.52
6	326	2508			-1.4	0.0	-2.15	-0.56	56.45
7	326	2524			-0.8	0.0	-1.75	-0.38	56.44
8	326	2539			-0.1	0.0	-1.2	-0.27	56.4
9	326	2555			0.99	0.0	-0.59	-0.22	56.44

AVG 0.00 MCO's not calculated for these pts

Exception Report
 Alignment 62 MCO Stations
 Milepost 553 to Milepost 238
 Amarillo, TX to Wellington, KS

Page 2 of 2
 Run Date: 06/10/2016
 Run ID: 2016061001

MP	FT	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
326	2496	L Align 62	-1.74	14	38	C	3	4	2	36.813366	-98.682025

	MP	FT	LAlign62	LAlignMCO	RAlign62	RAlignMCO	Curve	Xlevel	Gage
1	326	2434	0.97	0.0			-1.58	-0.02	56.42
2	326	2450	0.21	0.0			-1.97	-0.19	56.46
3	326	2465	-0.75	0.0			-2.27	-0.37	56.44
4	326	2481	-1.53	0.0			-2.43	-0.64	56.48
5	326	2496	-1.74	0.0			-2.35	-0.64	56.51
6	326	2511	-1.26	0.0			-2.09	-0.53	56.49
7	326	2527	-0.69	0.0			-1.65	-0.25	56.48
8	326	2542	0.01	0.0			-1.08	-0.28	56.37
9	326	2558	1.11	0.0			-0.49	-0.24	56.43

AVG **0.00** **MCO's not calculated for these pts**

MP	FT	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
263	3732	R Align 62	-0.75	2	29	C	4	5	2	37.263915	-97.821638

	MP	FT	LAlign62	LAlignMCO	RAlign62	RAlignMCO	Curve	Xlevel	Gage
1	263	3670			0.2	-0.86	-1.06	-1.62	56.67
2	263	3686			0.39	-0.69	-1.05	-1.61	56.86
3	263	3701			0.42	-0.6	-1.05	-1.83	56.7
4	263	3717			-0.19	-1.16	-1.06	-1.64	56.76
5	263	3732			-0.75	-1.74	-1.06	-1.7	56.86
6	263	3747			-0.26	-1.29	-1.09	-1.6	56.82
7	263	3763			0.46	-0.63	-1.13	-1.51	56.76
8	263	3778			0.33	-0.8	-1.14	-1.61	56.81
9	263	3794			-0.04	-1.15	-1.15	-1.55	56.81

AVG **-0.99**

MP	FT	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
256	4657	L Align 62	0.73	1	67	C	4	5	2	37.259168	-97.692248

	MP	FT	LAlign62	LAlignMCO	RAlign62	RAlignMCO	Curve	Xlevel	Gage
1	256	4595	-0.07	-0.93			-0.91	-1.9	56.75
2	256	4611	0.07	-0.77			-0.87	-1.78	56.92
3	256	4626	-0.17	-1.05			-0.84	-1.89	56.68
4	256	4642	0.17	-0.74			-0.81	-1.9	56.67
5	256	4657	0.73	-0.14			-0.81	-1.82	56.89
6	256	4672	-0.11	-0.91			-0.79	-1.72	56.43
7	256	4688	-0.73	-1.49			-0.77	-1.75	56.32
8	256	4703	-0.48	-1.21			-0.76	-1.68	56.46
9	256	4719	0.08	-0.64			-0.72	-1.42	56.5

AVG **-0.88**