

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

# TRACK GEOMETRY INSPECTION REPORT

MP 609 to Cheyenne, WY  
Railroad: UNION PACIFIC RAILROAD (UP)  
Survey Number: 1803  
Mile Post 683 to Mile Post 510



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

Prepared by:  
ENSCO, Inc.  
5400 Port Royal Rd  
Springfield, VA 22151



Testing Cert. 2411.01

Approved By:

Survey Director:

MARTIN BROCK

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Signature

Date

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

## NOTES

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

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

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

The TGIR may consist of ten (10) parts;

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

Track measurement sample frequency is once per foot.

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

Exception List symbols/notes:

\* Federal Track Safety Standard Advisory

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

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

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

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

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

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

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

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

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

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

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

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

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MP	FT	Seq#	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
0	0		Track Change	0.00	0	1	T	0	0	7		
683	157		Down Milepost	683.00	0	4	T	0	0	7	41.785740	-107.241059
683	1057		Track Change	0.00	0	4	T	0	0	7	41.785740	-107.241059
683	1057		Class Change	1.00	0	4	T	0	0	7	41.785740	-107.241059
683	1057		Posted Speed	10.00	0	4	T	0	0	7	41.785740	-107.241059
683	1057		State Line	WY	0	4	T	0	0	7	41.785740	-107.241059
683	1058		Railroad	UP -	0	4	T	0	0	7	41.785740	-107.241057
683	1059		Subdivision	LARAMI	0	4	T	0	0	7	41.785741	-107.241054
683	2075		Class Change	2.00	0	6	E	0	0	7	41.786805	-107.237622
683	2075		Posted Speed	20.00	0	6	E	0	0	7	41.786805	-107.237622
683	2083		Track Change	0.00	0	6	E	0	0	6	41.786812	-107.237594
683	5016		Posted Speed	25.00	0	24	T	0	0	6	41.788722	-107.227189
682	6314		Down Milepost	682.00	0	26	T	0	0	6	41.789105	-107.222461
682	2500		Class Change	3.00	0	29	B	0	0	6	41.789400	-107.213337
682	2500		Posted Speed	30.00	0	29	B	0	0	6	41.789400	-107.213337
682	2880		Posted Speed	40.00	0	29	C	0	0	6	41.789310	-107.211951
682	4219		Class Change	4.00	0	29	E	0	0	6	41.788353	-107.207227
682	4219		Posted Speed	60.00	0	29	E	0	0	6	41.788353	-107.207227
682	4258		Track Change	0.00	0	29	E	0	0	2	41.788315	-107.207093
681	5331		Down Milepost	681.00	0	32	E	0	0	2	41.787216	-107.203434
681	4556		Class Change	5.00	0	45	T	0	0	2	41.783330	-107.187592
681	4556		Posted Speed	79.00	0	45	T	0	0	2	41.783330	-107.187592
680	5220		Down Milepost	680.00	0	47	T	0	0	2	41.782863	-107.185238
680	1770	23	GWP Maint*	1.01	7	48	T	5	5	2	41.781622	-107.178982
679	5336		Down Milepost	679.00	0	48	T	0	0	2	41.779118	-107.166370
678	5289		Down Milepost	678.00	0	50	T	0	0	2	41.776669	-107.147402
678	2566	24	GWP Maint*	0.77	6	50	T	5	5	2	41.776934	-107.138033
677	5183		Down Milepost	677.00	0	49	T	0	0	2	41.777197	-107.128448
677	1828	25	GWP Maint*	0.75	3	48	T	5	5	2	41.777381	-107.121789
676	5308		Down Milepost	676.00	0	50	T	0	0	2	41.777689	-107.109004
675	5299		Down Milepost	675.00	0	49	T	0	0	2	41.778254	-107.089616
674	5219		Down Milepost	674.00	0	49	T	0	0	2	41.778780	-107.070534
673	5319		Down Milepost	673.00	0	50	T	0	0	2	41.779306	-107.051072
672	5420		Down Milepost	672.00	0	50	T	0	0	2	41.779839	-107.031240
671	5179		Down Milepost	671.00	0	49	T	0	0	2	41.780345	-107.012288
670	5304		Down Milepost	670.00	0	47	T	0	0	2	41.780657	-106.992880
670	1247	32	PLG24 Maint*	58.01	5	47	T	5	5	2	41.780466	-106.988330
669	5178		Down Milepost	669.00	0	49	T	0	0	2	41.779860	-106.973951
668	5177		Down Milepost	668.00	0	50	C	0	0	2	41.777373	-106.955317

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MP	FT	Seq#	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
667	4909		Down Milepost	667.00	0	49	T	0	0	2	41.777307	-106.937343
667	2513		Class Change	4.00	0	47	T	0	0	2	41.777297	-106.928145
667	2513		Posted Speed	65.00	0	47	T	0	0	2	41.777297	-106.928145
666	5463		Down Milepost	666.00	0	48	C	0	0	2	41.774784	-106.918150
665	5288		Down Milepost	665.00	0	49	C	0	0	2	41.765829	-106.903199
664	5309		Down Milepost	664.00	0	49	T	0	0	2	41.762071	-106.884655
663	5203		Down Milepost	663.00	0	48	C	0	0	2	41.758166	-106.866519
662	5245		Down Milepost	662.00	0	49	T	0	0	2	41.760348	-106.847557
662	5401		Class Change	5.00	0	49	T	0	0	2	41.765051	-106.829285
662	5401		Posted Speed	79.00	0	49	T	0	0	2	41.765051	-106.829285
661	5431		Up Milepost	662.00	0	49	T	0	0	2	41.765111	-106.829206
660	5228		Down Milepost	660.00	0	49	T	0	0	2	41.775350	-106.815814
659	4442		Down Milepost	659.00	0	49	C	0	0	2	41.785026	-106.806351
658	5178		Down Milepost	658.00	0	50	C	0	0	2	41.799119	-106.807544
657	5128		Down Milepost	657.00	0	49	C	0	0	2	41.810307	-106.798088
657	2935		Class Change	4.00	0	46	T	0	0	2	41.813264	-106.788094
657	2935		Posted Speed	65.00	0	46	T	0	0	2	41.813264	-106.788094
656	4870		Down Milepost	656.00	0	47	C	0	0	2	41.815675	-106.781811
656	4238		Class Change	5.00	0	49	E	0	0	2	41.824856	-106.772498
656	4238		Posted Speed	79.00	0	49	E	0	0	2	41.824856	-106.772498
655	5243		Down Milepost	655.00	0	49	T	0	0	2	41.826726	-106.769791
654	5230		Down Milepost	654.00	0	49	C	0	0	2	41.832731	-106.753224
654	2270		Class Change	4.00	0	49	T	0	0	2	41.831521	-106.745070
654	2270		Posted Speed	65.00	0	49	T	0	0	2	41.831521	-106.745070
654	4872		Posted Speed	70.00	0	49	T	0	0	2	41.832128	-106.735775
653	5286		Down Milepost	653.00	0	49	T	0	0	2	41.832580	-106.734380
652	5475		Down Milepost	652.00	0	49	T	0	0	2	41.836422	-106.715259
651	5183		Down Milepost	651.00	0	48	T	0	0	2	41.836833	-106.696306
651	1259		Posted Speed	65.00	0	48	T	0	0	2	41.837504	-106.691781
650	5197		Down Milepost	650.00	0	49	T	0	0	2	41.834681	-106.678495
649	5351		Down Milepost	649.00	0	50	C	0	0	2	41.830217	-106.660374
648	5378		Down Milepost	648.00	0	49	B	0	0	2	41.832857	-106.640987
647	5233		Down Milepost	647.00	0	50	T	0	0	2	41.842976	-106.628193
646	5220		Down Milepost	646.00	0	50	T	0	0	2	41.854272	-106.616652
645	5165		Down Milepost	645.00	0	50	T	0	0	2	41.861859	-106.600821
644	5552		Down Milepost	644.00	0	50	T	0	0	2	41.866541	-106.581456
644	3161		Class Change	5.00	0	49	T	0	0	2	41.868384	-106.570236
644	3161		Posted Speed	79.00	0	49	T	0	0	2	41.868384	-106.570236
643	5251		Down Milepost	643.00	0	47	T	0	0	2	41.868235	-106.562560

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642	5110		Down Milepost	642.00	0	49	T	0	0	2	41.869495	-106.543951
641	5414		Down Milepost	641.00	0	48	T	0	0	2	41.871714	-106.524330
640	5379		Down Milepost	640.00	0	48	C	0	0	2	41.874658	-106.505083
639	5075		Down Milepost	639.00	0	49	T	0	0	2	41.883715	-106.491177
638	5385		Down Milepost	638.00	0	50	C	0	0	2	41.894979	-106.478488
638	1023		Class Change	4.00	0	49	T	0	0	2	41.896605	-106.475433
638	1023		Posted Speed	65.00	0	49	T	0	0	2	41.896605	-106.475433
638	2665		Class Change	5.00	0	50	E	0	0	2	41.898610	-106.470107
638	2665		Posted Speed	79.00	0	50	E	0	0	2	41.898610	-106.470107
637	5194		Down Milepost	637.00	0	51	T	0	0	2	41.900365	-106.461131
636	5383		Down Milepost	636.00	0	51	T	0	0	2	41.905563	-106.442735
635	5220		Down Milepost	635.00	0	49	T	0	0	2	41.906694	-106.423876
635	1019	61	PLG24 Maint*	58.20	7	49	T	5	5	2	41.906329	-106.420173
635	1026	62	PLG24 Maint*	58.12	3	49	T	5	5	2	41.906326	-106.420148
634	5154		Down Milepost	634.00	0	50	T	0	0	2	41.907597	-106.405272
633	5473		Down Milepost	633.00	0	49	E	0	0	2	41.910473	-106.385750
633	437		Concrete Ties Start	0.00	0	49	T	0	0	2	41.910316	-106.384160
633	2069		Concrete Ties End	0.00	0	49	T	0	0	2	41.909725	-106.378241
632	5078		Down Milepost	632.00	0	49	T	0	0	2	41.908623	-106.367299
631	3157		Down Milepost	631.00	0	49	T	0	0	2	41.907849	-106.355774
630	5315		Down Milepost	630.00	0	50	T	0	0	2	41.906443	-106.336448
629	5402		Down Milepost	629.00	0	50	T	0	0	2	41.903173	-106.317119
628	5270		Down Milepost	628.00	0	49	T	0	0	2	41.899982	-106.298263
627	5279		Down Milepost	627.00	0	49	T	0	0	2	41.896783	-106.279377
626	5282		Down Milepost	626.00	0	49	T	0	0	2	41.893579	-106.260484
625	5190		Down Milepost	625.00	0	50	T	0	0	2	41.892309	-106.241638
624	5244		Down Milepost	624.00	0	49	T	0	0	2	41.893484	-106.222467
624	3042	65	<b>R Align 62</b>	0.91	4	47	T	4	5	2	41.894165	-106.211348
623	5371		Down Milepost	623.00	0	48	T	0	0	2	41.894683	-106.202831
622	5394		Up Milepost	623.00	0	48	C	0	0	2	41.894712	-106.183195
621	5309		Down Milepost	621.00	0	49	T	0	0	2	41.887524	-106.166297
620	5229		Down Milepost	620.00	0	48	T	0	0	2	41.880144	-106.149853
619	5183		Down Milepost	619.00	0	49	T	0	0	2	41.872830	-106.133561
618	5336		Down Milepost	618.00	0	50	T	0	0	2	41.865297	-106.116792
617	3509		Down Milepost	617.00	0	49	C	0	0	2	41.860380	-106.105737
616	5283		Down Milepost	616.00	0	48	T	0	0	2	41.853750	-106.088488
615	5276		Down Milepost	615.00	0	49	T	0	0	2	41.847215	-106.071204
614	5354		Down Milepost	614.00	0	50	T	0	0	2	41.839081	-106.054920
614	2039	72	GWP Maint*	0.79	3	50	T	5	5	2	41.835951	-106.048741

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613	5432		Down Milepost	613.00	0	49	T	0	0	2	41.830729	-106.038443
612	5341		Down Milepost	612.00	0	49	T	0	0	2	41.822515	-106.022244
611	5311		Down Milepost	611.00	0	48	T	0	0	2	41.816888	-106.004616
611	540	73	<b>Rev Elevation</b>	-1.15	6	47	B	4	5	2	41.816633	-106.002667
610	5193		Down Milepost	610.00	0	37	C	0	0	2	41.809964	-105.988787
609	5217		Down Milepost	609.00	0	26	T	0	0	2	41.796079	-105.985357
608	5364		Down Milepost	608.00	0	45	T	0	0	2	41.781404	-105.984158
607	5301		Down Milepost	607.00	0	49	T	0	0	2	41.766903	-105.982972
606	5366		Down Milepost	606.00	0	49	T	0	0	2	41.752221	-105.981816
605	4425		Down Milepost	605.00	0	49	T	0	0	2	41.740111	-105.980815
604	4970		Down Milepost	604.00	0	49	C	0	0	2	41.728080	-105.973476
603	5584		Down Milepost	603.00	0	49	C	0	0	2	41.723393	-105.954409
602	5303		Down Milepost	602.00	0	51	C	0	0	2	41.723643	-105.935089
602	278		Posted Speed	65.00	0	51	C	0	0	2	41.723388	-105.934131
602	2503	82	PLG24 Maint*	58.14	4	49	B	5	5	2	41.720398	-105.927053
602	2504		Posted Speed	70.00	0	49	B	0	0	2	41.720395	-105.927043
602	3073	83	<b>R Align 62</b>	0.75	4	49	C	4	5	2	41.719839	-105.925102
602	3524	84	PLG24 Maint*	58.16	7	49	C	5	5	2	41.719606	-105.923492
601	5070		Down Milepost	601.00	0	49	T	0	0	2	41.719815	-105.917844
600	5470		Down Milepost	600.00	0	49	T	0	0	2	41.716870	-105.898817
600	1170		Class Change	4.00	0	49	T	0	0	2	41.715127	-105.895226
600	1170		Posted Speed	65.00	0	49	T	0	0	2	41.715127	-105.895226
600	3466		Class Change	5.00	0	50	T	0	0	2	41.710464	-105.889804
600	3466		Posted Speed	70.00	0	50	T	0	0	2	41.710464	-105.889804
600	5256		Concrete Ties Start	0.00	0	49	T	0	0	2	41.706145	-105.886703
599	5273		Down Milepost	599.00	0	49	T	0	0	2	41.706102	-105.886672
599	2169		Concrete Ties End	0.00	0	49	E	0	0	2	41.701574	-105.881659
599	2606		Posted Speed	79.00	0	49	T	0	0	2	41.700851	-105.880385
598	5164		Down Milepost	598.00	0	49	T	0	0	2	41.696618	-105.872925
597	5102		Down Milepost	597.00	0	49	T	0	0	2	41.688175	-105.858054
596	5351		Down Milepost	596.00	0	49	T	0	0	2	41.680696	-105.841297
595	5134		Down Milepost	595.00	0	49	T	0	0	2	41.674339	-105.824553
594	5419		Down Milepost	594.00	0	48	T	0	0	2	41.667627	-105.806885
594	1212		Posted Speed	75.00	0	47	T	0	0	2	41.666123	-105.802933
594	3689		Posted Speed	70.00	0	47	E	0	0	2	41.661896	-105.796008
593	5113		Down Milepost	593.00	0	48	T	0	0	2	41.658698	-105.793020
593	3123		Posted Speed	79.00	0	46	T	0	0	2	41.651686	-105.786479
592	5360		Down Milepost	592.00	0	42	T	0	0	2	41.646661	-105.781793
591	5372		Down Milepost	591.00	0	19	T	0	0	2	41.634595	-105.770548

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590	5258		Down Milepost	590.00	0	46	T	0	0	2	41.623563	-105.758332
589	5110		Down Milepost	589.00	0	47	T	0	0	2	41.614113	-105.744557
589	3023		Class Change	4.00	0	48	T	0	0	2	41.608524	-105.736410
589	3023		Posted Speed	65.00	0	48	T	0	0	2	41.608524	-105.736410
588	5435		Down Milepost	588.00	0	48	T	0	0	2	41.604811	-105.729212
588	1725		Class Change	5.00	0	46	T	0	0	2	41.602160	-105.724075
588	1725		Posted Speed	79.00	0	46	T	0	0	2	41.602160	-105.724075
587	5247		Down Milepost	587.00	0	48	T	0	0	2	41.595151	-105.715230
586	5309		Down Milepost	586.00	0	48	C	0	0	2	41.584436	-105.702137
585	5264		Down Milepost	585.00	0	49	T	0	0	2	41.571389	-105.693967
584	5366		Down Milepost	584.00	0	50	T	0	0	2	41.557987	-105.685907
583	5202		Down Milepost	583.00	0	47	T	0	0	2	41.544994	-105.678098
583	4286	93	<b>L Align 62</b>	0.92	6	49	T	4	5	2	41.534287	-105.671664
582	5302		Down Milepost	582.00	0	49	T	0	0	2	41.531746	-105.670139
581	5408		Down Milepost	581.00	0	49	T	0	0	2	41.518237	-105.662026
580	5259		Down Milepost	580.00	0	48	T	0	0	2	41.505099	-105.654139
579	5305		Down Milepost	579.00	0	49	T	0	0	2	41.491844	-105.646187
578	5307		Down Milepost	578.00	0	50	T	0	0	2	41.478585	-105.638235
577	5224		Down Milepost	577.00	0	50	T	0	0	2	41.465532	-105.630409
576	5162		Down Milepost	576.00	0	49	T	0	0	2	41.452060	-105.624974
575	5457		Down Milepost	575.00	0	50	T	0	0	2	41.437401	-105.621026
574	5371		Down Milepost	574.00	0	49	T	0	0	2	41.422973	-105.617142
573	5184		Down Milepost	573.00	0	48	T	0	0	2	41.409046	-105.613397
572	5227		Down Milepost	572.00	0	48	T	0	0	2	41.395004	-105.609619
571	5275		Down Milepost	571.00	0	41	T	0	0	2	41.380791	-105.606127
571	1853		Class Change	3.00	0	37	T	0	0	2	41.375762	-105.605191
571	1853		Posted Speed	40.00	0	37	T	0	0	2	41.375762	-105.605191
571	2453		Track Change	0.00	0	37	E	0	0	1	41.374138	-105.604842
571	2768		Class Change	5.00	0	37	T	0	0	1	41.373283	-105.604683
571	2768		Posted Speed	79.00	0	37	T	0	0	1	41.373283	-105.604683
570	5344		Down Milepost	570.00	0	43	T	0	0	1	41.366289	-105.603380
569	5298		Down Milepost	569.00	0	47	T	0	0	1	41.351912	-105.600670
568	5166		Down Milepost	568.00	0	47	T	0	0	1	41.337903	-105.597952
568	942	106	GWP Maint*	0.88	5	47	T	5	5	1	41.335354	-105.597457
567	5436		Down Milepost	567.00	0	45	C	0	0	1	41.323148	-105.595191
566	5102		Down Milepost	566.00	0	39	T	0	0	1	41.309209	-105.596515
566	3024		Class Change	3.00	0	38	T	0	0	1	41.300948	-105.597403
566	3024		Posted Speed	40.00	0	38	T	0	0	1	41.300948	-105.597403
566	3892		Track Change	0.00	0	37	C	0	0	2	41.298581	-105.597718

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566	4291		Posted Speed	45.00	0	36	B	0	0	2	41.297484	-105.597779
565	5396		Down Milepost	565.00	0	36	E	0	0	2	41.294801	-105.596187
564	5548		Down Milepost	564.00	0	39	T	0	0	2	41.282659	-105.584095
563	5153		Down Milepost	563.00	0	40	T	0	0	2	41.271212	-105.573149
562	5235		Down Milepost	562.00	0	40	C	0	0	2	41.259574	-105.562031
561	5324		Down Milepost	561.00	0	39	T	0	0	2	41.245245	-105.558940
560	5206		Down Milepost	560.00	0	39	T	0	0	2	41.231075	-105.556738
559	5392		Down Milepost	559.00	0	40	B	0	0	2	41.216398	-105.554451
559	3458	126	PLG24 Maint*	58.14	4	39	C	3	3	2	41.208071	-105.548937
558	5277		Down Milepost	558.00	0	39	T	0	0	2	41.203079	-105.548954
557	5113		Down Milepost	557.00	0	39	T	0	0	2	41.189066	-105.549068
556	5533		Down Milepost	556.00	0	39	B	0	0	2	41.173937	-105.549151
555	5219		Down Milepost	555.00	0	39	B	0	0	2	41.162044	-105.539423
554	5265		Down Milepost	554.00	0	39	T	0	0	2	41.155058	-105.523187
554	3965	128	PLG24 Maint*	58.37	10	39	C	3	3	2	41.147154	-105.513387
554	4201	129	PLG24 Maint*	58.05	3	39	C	3	3	2	41.146571	-105.513017
553	5332		Down Milepost	553.00	0	39	T	0	0	2	41.143656	-105.511593
552	5313		Down Milepost	552.00	0	39	T	0	0	2	41.129515	-105.510153
552	856	130	PLG24 Maint*	58.07	3	40	C	3	3	2	41.127184	-105.510305
552	1051	131	PLG24 Maint*	58.04	3	40	C	3	3	2	41.126657	-105.510189
552	1099	132	PLG24 Maint*	58.27	17	40	C	3	3	2	41.126528	-105.510152
552	1134	133	PLG24 Maint*	58.04	4	40	C	3	3	2	41.126435	-105.510122
552	1148	134	PLG24 Maint*	58.20	12	40	C	3	3	2	41.126398	-105.510110
552	1176	135	PLG24 Maint*	58.21	4	40	C	3	3	2	41.126324	-105.510084
552	1203	136	PLG24 Maint*	58.25	7	40	C	3	3	2	41.126252	-105.510058
552	1830	138	PLG24 Maint*	58.20	6	40	C	3	3	2	41.124681	-105.509155
552	2538	139	PLG24 Maint*	58.27	4	39	C	3	3	2	41.123206	-105.507504
552	2756	140	PLG24 Maint*	58.35	3	39	C	3	3	2	41.122837	-105.506882
552	3043	141	PLG24 Maint*	58.28	5	40	C	3	3	2	41.122423	-105.505998
552	3070	142	PLG24 Maint*	58.14	5	40	C	3	3	2	41.122388	-105.505912
552	4182	143	PLG24 Maint*	58.03	3	39	T	3	3	2	41.121128	-105.502243
552	4297	144	PLG24 Maint*	58.19	6	39	T	3	3	2	41.120986	-105.501871
552	5014	145	PLG24 Maint*	58.08	3	39	C	3	3	2	41.119861	-105.499749
552	5062	146	PLG24 Maint*	58.24	6	39	C	3	3	2	41.119771	-105.499621
552	5147	147	PLG24 Maint*	58.06	5	39	C	3	3	2	41.119609	-105.499400
551	5205		Down Milepost	551.00	0	39	C	0	0	2	41.119490	-105.499245
551	335	148	PLG24 Maint*	58.05	3	39	C	3	3	2	41.118797	-105.498460
551	640	149	PLG24 Maint*	58.36	6	39	C	3	3	2	41.118106	-105.497839
551	1229	150	LG Safety*	58.02	10	39	C	3	3	2	41.116649	-105.496929



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551	2880	151	PLG24 Maint*	58.09	7	39	C	3	3	2	41.112192	-105.496633
551	2903	152	PLG24 Maint*	58.06	4	39	C	3	3	2	41.112130	-105.496653
551	3007	153	PLG24 Maint*	58.10	6	39	C	3	3	2	41.111855	-105.496751
551	3256	154	PLG24 Maint*	58.16	7	39	C	3	3	2	41.111209	-105.497039
551	3287	155	PLG24 Maint*	58.28	8	39	C	3	3	2	41.111130	-105.497080
550	5221		Down Milepost	550.00	0	38	C	0	0	2	41.106244	-105.499812
550	217	156	PLG24 Maint*	58.04	4	38	B	3	3	2	41.105665	-105.499959
550	858	157	PLG24 Maint*	58.06	3	40	C	3	3	2	41.103918	-105.499858
549	5443		Down Milepost	549.00	0	38	C	0	0	2	41.091935	-105.494866
549	5223	158	PLG24 Maint*	58.07	3	36	B	3	3	2	41.080673	-105.483290
549	5266	159	PLG24 Maint*	58.26	11	36	B	3	3	2	41.080593	-105.483176
549	5316	160	PLG24 Maint*	58.08	4	36	B	3	3	2	41.080502	-105.483040
548	5362		Down Milepost	548.00	0	36	C	0	0	2	41.080415	-105.482904
548	69	161	PLG24 Maint*	58.23	8	35	B	3	3	2	41.080301	-105.482714
548	206	162	PLG24 Maint*	58.03	5	35	B	3	3	2	41.080083	-105.482309
548	249	163	PLG24 Maint*	58.11	4	35	B	3	3	2	41.080020	-105.482178
548	531	165	PLG24 Maint*	58.16	5	34	C	3	3	2	41.079659	-105.481276
548	673	166	PLG24 Maint*	58.30	8	33	C	3	3	2	41.079515	-105.480798
548	771	167	LG Safety*	58.05	23	33	C	3	3	2	41.079432	-105.480460
548	817	168	PLG24 Maint*	58.00	3	32	C	3	3	2	41.079397	-105.480300
548	835	169	PLG24 Maint*	58.11	11	33	C	3	3	2	41.079385	-105.480236
548	3244		Class Change	2.00	0	23	T	0	0	2	41.078394	-105.471606
548	3244		Posted Speed	25.00	0	23	T	0	0	2	41.078394	-105.471606
548	3825		Class Change	3.00	0	22	S	0	0	2	41.078130	-105.469531
548	3825		Posted Speed	45.00	0	22	S	0	0	2	41.078130	-105.469531
548	4238	176	PLG24 Maint*	58.36	12	23	B	3	3	2	41.078054	-105.468048
548	4328	177	PLG24 Maint*	58.12	7	23	B	3	3	2	41.078064	-105.467722
548	4430	178	PLG24 Maint*	58.27	9	23	B	3	3	2	41.078087	-105.467353
548	4946	181	PLG24 Maint*	58.13	6	28	C	3	3	2	41.078406	-105.465538
547	5160		Down Milepost	547.00	0	31	E	0	0	2	41.078634	-105.464812
546	5185		Down Milepost	546.00	0	40	C	0	0	2	41.083714	-105.447326
545	2848		Down Milepost	545.00	0	40	T	0	0	2	41.082625	-105.437154
545	2354	183	PLG24 Maint*	58.01	3	39	B	3	3	2	41.081305	-105.428835
545	2505	184	PLG24 Maint*	58.10	4	39	B	3	3	2	41.081283	-105.428288
545	2529	185	PLG24 Maint*	58.19	9	39	B	3	3	2	41.081283	-105.428201
545	2557	186	PLG24 Maint*	58.15	5	39	B	3	3	2	41.081284	-105.428100
545	2569	187	LG Safety*	58.04	15	39	B	3	3	2	41.081285	-105.428056
545	2603	188	PLG24 Maint*	58.15	16	39	B	3	3	2	41.081289	-105.427933
545	5559		Class Change	4.00	0	38	T	0	0	2	41.083835	-105.417791

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545	5559		Posted Speed	50.00	0	38	T	0	0	2	41.083835	-105.417791
545	6499		Class Change	3.00	0	37	C	0	0	2	41.084345	-105.414479
545	6499		Posted Speed	45.00	0	37	C	0	0	2	41.084345	-105.414479
545	7345		Class Change	4.00	0	38	E	0	0	2	41.083787	-105.411527
545	7345		Posted Speed	50.00	0	38	E	0	0	2	41.083787	-105.411527
544	7717		Down Milepost	544.00	0	39	T	0	0	2	41.083385	-105.410285
543	5353		Down Milepost	543.00	0	44	T	0	0	2	41.083169	-105.391834
542	5444		Down Milepost	542.00	0	44	E	0	0	2	41.093257	-105.378323
541	5239		Down Milepost	541.00	0	43	T	0	0	2	41.098458	-105.361484
541	1109	191	PLG24 Maint*	58.16	8	41	B	4	4	2	41.097815	-105.357571
541	1108	192	<b>Gage Wide</b>	57.61	1	41	C	3	4	2	41.097815	-105.357568
541	3346		Class Change	3.00	0	40	T	0	0	2	41.098219	-105.349480
541	3346		Posted Speed	45.00	0	40	T	0	0	2	41.098219	-105.349480
540	5180		Down Milepost	540.00	0	40	C	0	0	2	41.100747	-105.344188
540	2498	195	PLG24 Maint*	58.01	3	39	B	3	3	2	41.106891	-105.346877
540	2592	196	PLG24 Maint*	58.09	4	39	B	3	3	2	41.107125	-105.347020
540	2827	197	PLG24 Maint*	58.07	3	39	B	3	3	2	41.107735	-105.347285
540	3040	198	PLG24 Maint*	58.02	3	39	C	3	3	2	41.108311	-105.347406
540	3141	199	PLG24 Maint*	58.04	3	39	C	3	3	2	41.108587	-105.347424
540	3255	200	PLG24 Maint*	58.02	4	39	C	3	3	2	41.108899	-105.347412
540	3296	201	PLG24 Maint*	58.22	6	39	C	3	3	2	41.109010	-105.347399
540	3369	202	PLG24 Maint*	58.32	8	39	C	3	3	2	41.109209	-105.347366
540	3411	203	PLG24 Maint*	58.33	10	39	C	3	3	2	41.109322	-105.347340
540	3432	204	PLG24 Maint*	58.06	3	39	C	3	3	2	41.109378	-105.347326
540	3449	205	PLG24 Maint*	58.22	6	39	C	3	3	2	41.109424	-105.347314
540	3457	206	PLG24 Maint*	58.01	3	39	C	3	3	2	41.109445	-105.347308
540	3468	207	PLG24 Maint*	58.09	6	39	C	3	3	2	41.109475	-105.347299
540	3487	208	PLG24 Maint*	58.15	15	39	C	3	3	2	41.109525	-105.347284
540	3515	209	PLG24 Maint*	58.24	13	39	C	3	3	2	41.109600	-105.347260
540	3528	210	PLG24 Maint*	58.26	11	39	C	3	3	2	41.109634	-105.347248
540	3548	211	PLG24 Maint*	58.02	3	39	C	3	3	2	41.109687	-105.347229
540	3701	212	PLG24 Maint*	58.16	7	39	C	3	3	2	41.110083	-105.347049
540	3729	213	PLG24 Maint*	58.11	11	39	C	3	3	2	41.110154	-105.347010
540	3802	214	PLG24 Maint*	58.12	8	39	C	3	3	2	41.110335	-105.346899
540	3833	215	PLG24 Maint*	58.23	9	39	C	3	3	2	41.110411	-105.346848
540	3861	216	PLG24 Maint*	58.01	3	38	C	3	3	2	41.110478	-105.346800
540	3882	217	PLG24 Maint*	58.07	9	38	C	3	3	2	41.110528	-105.346763
540	3970	219	PLG24 Maint*	58.08	3	39	C	3	3	2	41.110734	-105.346597
540	4109	220	PLG24 Maint*	58.10	4	39	C	3	3	2	41.111043	-105.346303

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540	4115	221	PLG24 Maint*	58.06	5	38	C	3	3	2	41.111055	-105.346289
540	4150	222	PLG24 Maint*	58.02	4	39	C	3	3	2	41.111129	-105.346209
540	4170	223	PLG24 Maint*	58.04	3	38	C	3	3	2	41.111171	-105.346161
540	4242	224	PLG24 Maint*	58.09	4	39	C	3	3	2	41.111316	-105.345986
540	5277	225	GWP Maint*	0.79	6	40	T	3	3	2	41.113190	-105.343172
539	5427		Down Milepost	539.00	0	40	T	0	0	2	41.113463	-105.342752
539	1591	226	PLG24 Maint*	58.19	8	40	B	3	3	2	41.116397	-105.338510
539	1711	227	PLG24 Maint*	58.33	9	40	B	3	3	2	41.116666	-105.338259
539	1827	228	PLG24 Maint*	58.06	6	40	C	3	3	2	41.116937	-105.338038
539	1987	229	PLG24 Maint*	58.10	9	40	C	3	3	2	41.117325	-105.337769
538	5145		Down Milepost	538.00	0	40	E	0	0	2	41.123137	-105.330624
538	690		Class Change	4.00	0	40	T	0	0	2	41.122857	-105.328152
538	690		Posted Speed	70.00	0	40	T	0	0	2	41.122857	-105.328152
537	5389		Down Milepost	537.00	0	44	T	0	0	2	41.122115	-105.311257
537	501		Posted Speed	60.00	0	45	T	0	0	2	41.122248	-105.309450
536	5309		Down Milepost	536.00	0	45	T	0	0	2	41.120583	-105.292222
535	5270		Down Milepost	535.00	0	47	B	0	0	2	41.113263	-105.276198
534	5275		Down Milepost	534.00	0	50	T	0	0	2	41.108059	-105.258429
533	5212		Down Milepost	533.00	0	44	B	0	0	2	41.101353	-105.241921
533	4841		Posted Speed	50.00	0	40	T	0	0	2	41.098839	-105.224811
532	5353		Down Milepost	532.00	0	40	B	0	0	2	41.098618	-105.222980
531	5089		Down Milepost	531.00	0	36	T	0	0	2	41.097890	-105.205656
531	4570	245	<b>Gage Wide</b>	57.60	1	31	B	3	4	2	41.102049	-105.190087
531	4572	234	PLG24 Maint*	58.13	10	30	B	4	4	2	41.102049	-105.190087
531	4591	236	PLG24 Maint*	58.05	3	30	B	4	4	2	41.102056	-105.190019
531	4629	237	PLG24 Maint*	58.27	11	30	B	4	4	2	41.102067	-105.189882
531	4628	248	<b>Gage Wide</b>	57.67	5	30	C	3	4	2	41.102068	-105.189878
531	4648	238	PLG24 Maint*	58.05	3	30	B	4	4	2	41.102072	-105.189813
531	4725	239	PLG24 Maint*	58.18	22	30	B	4	4	2	41.102086	-105.189535
531	4724	253	<b>Gage Wide</b>	57.62	1	30	C	3	4	2	41.102086	-105.189531
531	4732	255	<b>Gage Wide</b>	57.61	1	30	C	3	4	2	41.102086	-105.189503
531	4755	240	PLG24 Maint*	58.11	6	30	B	4	4	2	41.102088	-105.189427
531	4785	241	PLG24 Maint*	58.07	6	30	B	4	4	2	41.102088	-105.189318
531	4784	257	<b>Gage Wide</b>	57.61	1	30	C	3	4	2	41.102088	-105.189315
531	4805	242	PLG24 Maint*	58.05	4	29	B	4	4	2	41.102088	-105.189246
531	4835	243	PLG24 Maint*	58.13	4	29	B	4	4	2	41.102085	-105.189137
531	4891	244	PLG24 Maint*	58.02	3	29	B	4	4	2	41.102077	-105.188935
531	4951	247	PLG24 Maint*	58.01	3	29	C	4	4	2	41.102061	-105.188719
531	5044	251	PLG24 Maint*	58.02	3	29	C	4	4	2	41.102025	-105.188386

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531	5399		Posted Speed	60.00	0	27	E	0	0	2	41.101790	-105.187131
530	5410		Down Milepost	530.00	0	27	E	0	0	2	41.101781	-105.187089
530	2061		Class Change	2.00	0	24	C	0	0	2	41.100220	-105.179931
530	2061		Posted Speed	25.00	0	24	C	0	0	2	41.100220	-105.179931
530	2525		Track Change	0.00	0	24	E	0	0	1	41.099970	-105.178283
530	2698		Class Change	4.00	0	25	T	0	0	1	41.099866	-105.177671
530	2698		Posted Speed	60.00	0	25	T	0	0	1	41.099866	-105.177671
529	5242		Down Milepost	529.00	0	36	T	0	0	1	41.099083	-105.168530
529	2304		Posted Speed	70.00	0	35	T	0	0	1	41.099746	-105.160320
528	5393		Down Milepost	528.00	0	45	C	0	0	1	41.100941	-105.149324
528	4849	273	GWP Maint*	0.78	4	49	T	4	4	1	41.099661	-105.131892
527	5276		Down Milepost	527.00	0	49	T	0	0	1	41.099702	-105.130336
526	5275		Down Milepost	526.00	0	49	T	0	0	1	41.099745	-105.111253
526	1863		Posted Speed	50.00	0	49	T	0	0	1	41.099164	-105.104547
525	5294		Down Milepost	525.00	0	44	T	0	0	1	41.095016	-105.093922
524	5219		Down Milepost	524.00	0	45	T	0	0	1	41.091051	-105.076642
523	5208		Down Milepost	523.00	0	44	T	0	0	1	41.091894	-105.057961
523	4923		Posted Speed	70.00	0	45	E	0	0	1	41.094304	-105.040461
522	5439		Down Milepost	522.00	0	45	T	0	0	1	41.094203	-105.038593
521	5296		Down Milepost	521.00	0	40	T	0	0	1	41.093149	-105.019455
520	5234		Down Milepost	520.00	0	33	B	0	0	1	41.090956	-105.000783
520	4488		Class Change	2.00	0	24	T	0	0	1	41.090402	-104.984573
520	4488		Posted Speed	25.00	0	24	T	0	0	1	41.090402	-104.984573
520	4905		Track Change	0.00	0	23	C	0	0	2	41.090349	-104.983064
520	5198		Class Change	4.00	0	23	B	0	0	2	41.090330	-104.982002
520	5198		Posted Speed	60.00	0	23	B	0	0	2	41.090330	-104.982002
519	5360		Down Milepost	519.00	0	24	B	0	0	2	41.090309	-104.981413
519	1017		Posted Speed	70.00	0	28	T	0	0	2	41.089701	-104.977831
518	5257		Down Milepost	518.00	0	42	T	0	0	2	41.085996	-104.963258
517	5146		Down Milepost	517.00	0	45	T	0	0	2	41.086822	-104.945204
516	5373		Down Milepost	516.00	0	44	T	0	0	2	41.092451	-104.927216
516	884		Posted Speed	60.00	0	44	T	0	0	2	41.093375	-104.924255
515	5321		Down Milepost	515.00	0	43	C	0	0	2	41.096426	-104.908743
515	1125		Posted Speed	70.00	0	42	T	0	0	2	41.097608	-104.904978
514	5288		Down Milepost	514.00	0	39	T	0	0	2	41.102695	-104.891476
513	5350		Down Milepost	513.00	0	39	T	0	0	2	41.109215	-104.874110
512	5305		Down Milepost	512.00	0	33	T	0	0	2	41.115665	-104.856863
512	805		Class Change	3.00	0	31	T	0	0	2	41.116645	-104.854250
512	805		Posted Speed	40.00	0	31	T	0	0	2	41.116645	-104.854250

Exception Report  
 Exception List Section  
 Milepost 683 to Milepost 510  
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 Run Date: 11/01/2017  
 Run ID: 2017110101

MP	FT	Seq#	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
512	6435		Class Change	2.00	0	21	T	0	0	2	41.123880	-104.836307
512	6435		Posted Speed	25.00	0	21	T	0	0	2	41.123880	-104.836307
512	7091		Track Change	0.00	0	19	B	0	0	4	41.124393	-104.834023
512	7860		Class Change	3.00	0	16	B	0	0	4	41.125021	-104.831361
512	7860		Posted Speed	35.00	0	16	B	0	0	4	41.125021	-104.831361
510	10649		Down Milepost	510.00	0	3	C	0	0	4	41.128385	-104.822508
510	214		Track Change	0.00	0	4	B	0	0	7	41.128647	-104.821811
510	214		Class Change	1.00	0	4	B	0	0	7	41.128647	-104.821811
510	214		Posted Speed	10.00	0	4	B	0	0	7	41.128647	-104.821811

Notes:

\* Federal Track Safety Standard Advisory

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

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

Rail Cant Exceptions values indicate degrees.

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

Exception Report  
 Curve Analysis Section  
 Milepost 683 to Milepost 510  
 MP 609 to Cheyenne, WY

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

						Average				Limiting Point														
Track	Starting		Ending				Curve	Elev	Speed				Curve	Elev	Total		Limiting Speed at							
	MP	FT	MP	FT	Len	Spd	Deg/Mi	Inches	Post	Lmt	MP	FT	Deg/Mi	Inches	FT	Grp	3.0	4.0	5.0	6.0	7.0	8.0	9.0	
7	683	1146	683	1404	259	3	-5/02	0.53	10	25	683	1287	-5/09	0.71	0	0	25	30	34	38	41	44	47	
7	683	1404	683	1460	57	5	0/20	-0.59	10	94	683	1419	0/23	-0.58	0	0	94	111	127	140	153	164	175	
7	683	1460	683	1796	337	6	-2/30	0.53	10	35	683	1549	-2/38	0.69	0	0	35	42	48	53	58	63	67	
6	683	1796	683	2175	380	6	4/26	-0.37	20	29	683	2057	4/28	-0.39	0	0	29	34	38	42	46	49	52	
6	683	2294	683	2612	319	5	-0/58	-0.63	20	65	683	2439	-1/13	-0.56	0	0	65	73	81	87	94	100	106	
6	683	2612	683	2803	192	3	1/51	-0.02	20	47	683	2686	1/55	-0.04	0	0	47	54	60	66	72	77	81	
6	683	3382	683	3803	422	16	0/32	0.85	20	97	683	3609	0/35	0.82	0	0	97	108	119	129	138	147	155	
6	683	3862	683	4665	804	21	1/25	1.15	20	63	683	4116	1/29	1.09	0	0	63	69	76	82	88	93	98	
6	682	1026	682	1700	675	29	1/51	1.26	25	54	682	1381	1/58	1.06	0	0	54	60	66	71	76	81	85	
6	682	2405	682	3691	1287	30	1/23	0.66	40	58	682	3252	1/29	0.53	0	0	58	65	72	79	84	90	95	
2	682	3937	682	4862	926	30	0/38	0.76	60	44	682	4178	1/52	-0.44	16	-1	44	52	59	65	70	76	81	
2	682	4862	681	72	543	32	-0/52	-0.86	60	71	682	5013	-1/04	-0.79	0	0	71	79	87	95	101	108	114	
2	681	403	681	792	390	36	0/29	1.02	60	96	681	567	0/39	1.21	0	0	96	106	116	125	134	142	149	
2	681	2310	681	3059	750	42	-0/55	-2.09	60	87	681	2533	-0/58	-2.13	0	0	87	95	103	110	116	122	128	
2	679	2719	679	4683	1965	50	-0/55	-3.06	79	93	679	3707	-0/59	-2.93	0	0	93	100	107	114	120	126	131	
2	677	4062	677	4275	214	49	-0/13	-0.49	79	145	677	4197	-0/13	-0.4	0	0	145	169	187	203	219	233	247	
2	677	4324	677	4387	64	49	-0/11	-0.53	79	163	677	4324	-0/11	-0.51	0	0	163	189	209	227	244	259	274	
2	676	3601	676	3876	276	48	-0/13	-0.32	79	142	676	3804	-0/13	-0.25	0	0	142	166	184	201	216	231	245	
2	671	4147	671	4852	706	47	0/50	2.39	79	95	671	4702	0/52	2.42	0	0	95	103	111	118	125	131	137	
2	669	87	669	1560	1474	50	0/41	2.08	79	98	669	564	0/44	1.92	0	0	98	107	116	124	132	139	146	
2	669	3889	668	614	1904	50	-0/43	-1.9	79	95	669	4507	-0/45	-1.83	0	0	95	105	114	122	129	136	143	
2	667	2635	666	387	3217	49	1/26	3.45	65	77	667	5066	1/29	3.22	0	0	77	83	88	94	98	103	108	
2	666	3225	665	516	2581	49	-1/25	-3.34	65	77	666	4342	-1/28	-3.15	0	0	77	83	88	94	99	104	108	
2	665	3057	665	4985	1929	49	1/26	4.45	65	83	665	4545	1/29	4.2	0	0	83	88	93	98	103	108	112	
2	664	272	664	1760	1489	49	-1/57	-3.57	65	68	664	771	-1/58	-3.41	0	0	68	73	78	82	87	91	95	
2	664	4345	663	967	1827	49	-1/25	-2.97	65	75	664	5038	-1/30	-2.9	0	0	75	81	86	92	97	101	106	
2	661	2672	661	5333	2662	49	-1/25	-3.01	65	73	661	3369	-1/26	-2.49	0	0	73	80	86	91	97	102	106	
2	660	1759	660	2102	344	49	-0/23	-1.34	79	120	660	2101	-0/28	-1.76	0	0	120	133	144	155	164	174	182	
2	660	2102	660	2442	341	49	-0/47	-2.71	79	100	660	2219	-0/44	-2.25	0	0	100	110	119	127	134	141	148	
2	660	2442	659	2028	4030	49	-1/06	-3.62	79	88	660	3624	-1/18	-4.11	0	0	88	94	100	105	110	115	120	
2	659	4380	657	633	6562	50	1/05	3.71	79	86	658	2880	1/19	3.88	0	0	86	92	98	103	108	113	118	
2	657	3420	656	2109	3561	49	-1/06	-3.22	65	86	656	1803	-1/08	-2.95	0	0	86	93	99	105	111	117	122	
2	656	3061	656	4425	1365	50	1/55	5.17	79	75	656	3774	2/02	4.97	0	0	75	79	83	87	91	95	98	
2	655	1473	654	643	4402	50	1/16	4	79	84	655	2035	1/24	3.85	0	0	84	89	95	100	105	109	114	
2	654	2408	654	4819	2412	49	-1/37	-3.69	65	74	654	2898	-1/41	-3.55	0	0	74	80	85	90	94	99	103	
2	653	2104	653	4872	2769	50	0/56	2.95	70	94	653	3905	0/58	2.95	0	0	94	101	108	114	121	126	132	
2	652	3769	652	5070	1302	48	-0/56	-2.5	70	87	652	4036	-0/59	-2.35	0	0	87	95	103	109	116	122	128	
2	651	1465	651	4186	2722	48	1/55	4.23	65	71	651	3318	1/58	3.92	0	0	71	75	80	84	88	92	96	
2	650	1217	649	409	4545	50	-0/56	-1.83	65	83	650	1838	-0/58	-1.67	0	0	83	91	99	106	113	119	125	
2	649	5158	648	2434	2656	51	-1/55	-4.01	65	70	648	1875	-1/58	-3.8	0	0	70	75	80	84	88	92	96	
2	647	3659	647	5008	1350	50	1/59	4.06	65	70	647	4069	2/04	4.01	0	0	70	74	78	83	87	91	94	
2	646	3480	646	4739	1260	49	2/00	3.86	65	69	646	4141	2/04	3.88	0	0	69	73	78	82	86	90	94	
2	644	1617	644	2919	1303	50	1/56	3.96	65	69	644	2045	2/03	3.89	0	0	69	74	78	83	87	91	94	
2	643	1225	643	2268	1044	48	-1/10	-3.61	79	88	643	1833	-1/13	-3.64	0	0	88	94	100	106	111	116	121	
2	641	3454	640	1143	3070	49	-0/55	-2.88	79	91	640	51	-0/59	-2.81	0	0	91	99	106	112	118	124	130	
2	640	2145	640	2411	267	49	-0/22	-1.44	79	124	640	2410	-0/26	-1.72	0	0	124	137	149	160	170	179	188	

Exception Report  
Curve Analysis Section  
Milepost 683 to Milepost 510  
MP 609 to Cheyenne, WY

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

						Average				Limiting Point														
Track	Starting		Ending				Curve	Elev	Speed				Curve	Elev	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	640	2411	640	4241	1831	50	-0/44	-2.64	79	95	640	3157	-0/55	-2.88	0	0	95	103	110	117	123	129	135	
2	639	3779	638	326	1934	51	0/53	3.03	79	96	639	4880	0/56	3.04	0	0	96	103	110	117	123	129	135	
2	638	1321	638	2680	1360	50	1/48	3.85	79	70	638	1653	1/52	3.32	0	0	70	74	79	84	88	92	97	
2	637	379	637	1895	1517	51	-0/53	-2.84	79	91	637	695	-1/00	-2.8	0	0	91	98	105	112	118	124	129	
2	637	3077	637	4742	1666	51	0/53	3.51	79	99	637	4240	0/56	3.49	0	0	99	106	113	120	126	132	137	
2	636	1733	636	4205	2473	50	0/55	3.28	79	96	636	3738	0/59	3.28	0	0	96	103	109	116	122	128	133	
2	635	1340	635	4181	2842	50	-0/55	-3.4	79	97	635	2802	-0/58	-3.44	0	0	97	104	111	117	123	129	135	
2	634	2827	633	166	2814	50	0/53	2.76	79	86	634	3390	0/58	1.99	0	0	86	93	101	108	115	121	127	
2	632	1237	632	3022	1786	49	-0/25	-1.8	79	122	632	2123	-0/27	-1.74	0	0	122	135	146	156	166	175	184	
2	631	1570	631	4243	2674	50	0/26	1.51	79	115	631	1742	0/28	1.31	0	0	115	127	138	149	158	168	177	
2	626	1091	626	4716	3626	50	-0/26	-1.51	79	112	626	2106	-0/29	-1.32	0	0	112	125	137	147	157	166	175	
2	622	3035	622	1315	3676	49	1/02	3.09	79	89	622	135	1/05	3.12	0	0	89	96	103	109	115	120	126	
2	618	2764	617	237	984	50	-0/22	-1.66	79	126	618	3284	-0/25	-1.81	0	0	126	140	152	163	173	182	191	
2	615	51	615	1550	1500	49	0/25	1.66	79	121	615	718	0/27	1.65	0	0	121	133	145	155	165	175	183	
2	612	1452	612	4298	2847	49	-0/53	-3.54	79	100	612	3287	-0/56	-3.62	0	0	100	107	114	120	127	132	138	
2	611	534	611	863	330	47	0/30	0.84	79	105	611	862	0/30	0.84	0	0	105	117	129	139	149	158	167	
2	611	863	610	2774	7106	46	1/00	3.3	79	85	611	1745	1/05	2.55	0	0	85	92	99	105	111	117	123	
2	607	716	607	907	192	48	0/13	0.63	79	144	607	837	0/14	0.5	0	0	144	163	180	196	211	224	237	
2	605	160	604	3599	8411	50	-0/51	-3.26	79	96	605	3560	-0/58	-3.3	0	0	96	103	110	117	123	129	134	
2	604	5203	603	1268	1651	51	-0/53	-2.84	79	94	603	898	-0/58	-3.03	0	0	94	102	109	115	122	128	133	
2	603	3911	603	4265	355	49	0/37	0.69	79	85	603	4264	0/48	1.03	0	0	85	94	103	112	119	126	133	
2	603	4265	602	1161	2201	51	1/44	2.63	65	64	602	34	1/58	2.7	1011	0	64	69	74	79	84	88	92	
2	602	1911	602	4505	2595	50	-1/45	-4.9	70	76	602	3297	-1/58	-5.08	0	0	76	81	85	89	93	97	101	
2	601	908	601	5111	4204	49	0/55	2.91	70	92	601	3723	0/59	2.81	0	0	92	99	106	113	119	125	131	
2	600	1306	600	1716	411	49	1/39	4.79	65	82	600	1715	1/39	4.79	0	0	82	87	92	96	101	105	109	
2	600	1716	600	3080	1365	50	1/56	4.82	65	74	600	2499	1/59	4.54	0	0	74	78	82	86	91	94	98	
2	599	147	599	2179	2033	50	-1/20	-3.97	70	81	599	1884	-1/26	-3.59	0	0	81	87	92	97	102	107	112	
2	597	1388	597	2673	1286	49	-0/53	-3.03	79	88	597	1661	-0/58	-2.27	0	0	88	96	103	110	117	123	129	
2	594	1433	594	3733	2301	47	1/26	3.37	70	77	594	2682	1/29	3.21	0	0	77	83	89	94	99	104	108	
2	591	2489	591	4047	1559	44	-0/55	-3.14	79	94	591	3501	-0/59	-3.17	0	0	94	101	108	115	121	126	132	
2	589	3742	589	5096	1355	48	-1/41	-4.62	65	79	589	4413	-1/45	-4.61	0	0	79	83	88	93	97	101	105	
2	588	100	588	1638	1539	47	1/51	3.61	65	69	588	1342	1/53	3.3	0	0	69	74	79	83	88	92	96	
2	587	4110	586	1040	2241	49	0/54	3.36	79	95	587	4961	0/59	3.3	0	0	95	102	109	115	121	127	133	
2	577	1379	577	3048	1670	50	0/54	3.2	79	96	577	2098	0/59	3.28	0	0	96	102	109	116	122	128	133	
2	572	3399	572	4162	764	47	0/26	1.62	79	116	572	3642	0/30	1.73	0	0	116	127	138	148	157	166	175	
2	571	1940	571	2221	282	37	-1/46	-0.14	40	49	571	2076	-1/46	-0.03	0	0	49	57	63	69	75	80	85	
1	571	2221	571	2489	269	37	1/34	-0.05	40	47	571	2347	1/42	-0.34	0	0	47	55	62	68	74	80	85	
1	568	1886	568	1924	39	47	-0/10	-0.87	79	169	568	1886	-0/11	-0.78	0	0	169	194	214	231	248	263	278	
1	568	2168	568	2489	322	47	0/20	0.31	79	109	568	2320	0/24	0.3	0	0	109	123	137	149	161	172	182	
1	568	3944	568	4224	281	46	0/13	0.48	79	150	568	4045	0/13	0.47	0	0	150	170	188	205	220	234	248	
+	1	568	4855	567	754	1337	46	0/56	1.1	70	76	568	5008	1/00	1.05	629	-5	76	84	92	100	107	113	119
	1	566	3216	566	3573	358	37	1/34	-0.13	40	49	566	3350	1/43	-0.15	0	0	49	56	63	69	75	80	85
	2	566	3573	566	4051	479	37	-1/26	-0.01	40	46	566	3712	-1/52	0.18	0	0	46	54	60	66	72	77	82
+	2	566	4112	565	127	1413	36	-4/39	-4.31	40	45	566	4672	-4/46	-3.76	31	-2	45	48	51	54	56	59	61
	2	565	212	565	878	667	37	3/20	2.36	45	48	565	558	3/22	2.39	0	0	48	52	56	59	63	66	69
	2	563	1089	563	1579	491	40	-0/17	-0.74	45	133	563	1340	-0/18	-0.81	0	0	133	151	166	180	192	204	216

Exception Report  
 Curve Analysis Section  
 Milepost 683 to Milepost 510  
 MP 609 to Cheyenne, WY

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
							Deg/Mi	Inches			Deg/Mi	Inches											
2	563	1716	563	2123	408	40	0/19	0.4	45	124	563	1898	0/19	0.47	0	0	124	141	156	169	182	194	205
2	563	4792	562	1337	1782	40	1/56	1.97	45	58	562	924	1/58	1.61	0	0	58	63	69	74	79	83	87
2	560	5195	559	1221	1420	41	-3/01	-3.46	45	54	559	317	-3/04	-3.19	0	0	54	57	61	65	68	72	75
2	559	2152	559	3738	1587	40	2/55	3.22	45	54	559	3028	2/56	2.96	0	0	54	58	62	66	69	73	76
2	557	97	557	950	854	40	-0/53	-1.27	45	76	557	284	-0/58	-0.97	0	0	76	86	94	101	108	115	121
2	557	1690	557	2429	740	39	1/39	2.19	45	61	557	1933	1/47	1.73	0	0	61	67	73	78	83	88	92
2	557	5446	556	1775	1864	40	-3/02	-3.26	45	52	556	969	-3/05	-2.82	0	0	52	56	60	63	67	70	73
2	556	4852	555	1226	1595	40	-3/02	-1.97	45	48	555	131	-3/04	-1.87	0	0	48	52	56	60	64	67	71
2	555	2474	555	4213	1740	40	1/55	1.06	45	53	555	3605	1/58	0.92	0	0	53	59	65	70	75	80	84
2	554	2946	554	4511	1566	39	1/58	1.26	45	52	554	3381	2/05	1	0	0	52	58	64	69	74	78	82
2	553	1667	553	3225	1559	40	2/13	2.24	45	54	553	2076	2/23	1.8	0	0	54	58	63	68	72	76	80
2	552	37	552	3396	3360	41	-2/26	-2.48	45	55	552	1792	-2/28	-2.27	0	0	55	60	64	69	73	77	80
2	552	3953	551	3559	4813	40	1/56	0.96	45	52	552	5018	1/59	0.79	0	0	52	58	64	69	74	79	84
2	551	4726	550	1222	1719	40	-3/02	-2.72	45	51	550	565	-3/04	-2.5	0	0	51	55	59	63	66	70	73
2	550	4613	549	1635	2467	39	-0/56	-0.67	45	70	549	708	-0/58	-0.31	0	0	70	80	88	96	104	111	117
2	549	4841	548	1221	1744	36	-2/54	-2.6	45	51	549	5313	-2/58	-2.34	0	0	51	55	59	63	67	70	73
2	548	3324	548	3555	232	22	2/52	0.26	25	40	548	3471	2/52	0.26	0	0	40	46	51	55	60	64	68
2	548	3555	548	3825	271	22	-1/21	-0.59	25	38	548	3646	-2/48	0.18	0	0	38	44	49	54	58	63	67
2	548	3825	548	4596	772	24	-2/31	-2.51	45	54	548	4110	-2/38	-2.34	0	0	54	58	63	67	71	74	78
2	548	4596	547	7	573	28	-2/53	-2.24	45	51	548	4752	-2/55	-2.23	0	0	51	55	59	63	67	70	74
2	547	3586	546	1454	3055	40	1/11	0.87	45	64	546	1181	1/14	0.55	0	0	64	72	79	86	93	99	104
2	545	1967	545	2357	391	39	-2/35	-1.99	45	52	545	2254	-2/29	-1.68	0	0	52	57	61	66	70	74	78
2	545	2357	545	3312	956	40	-3/01	-2.47	45	47	545	2501	-3/28	-2.29	0	0	47	50	54	58	61	65	68
2	545	5592	545	7394	1803	38	2/57	1.98	50	47	545	6572	2/59	1.55	210	0	47	51	56	60	64	67	71
2	544	611	544	1567	957	42	-1/58	-2.13	50	58	544	889	-2/05	-1.98	0	0	58	64	69	74	78	82	86
2	544	2961	544	4523	1563	44	-2/56	-3.34	50	55	544	3321	-2/59	-3.24	0	0	55	58	62	66	69	73	76
2	543	1815	543	3431	1617	44	-2/58	-3.87	50	55	543	2739	-3/01	-3.49	0	0	55	59	63	67	70	73	77
2	543	4166	542	266	1546	45	2/52	4.95	50	59	543	4595	2/57	4.3	0	0	59	63	67	70	73	77	80
2	542	3058	542	4996	1939	44	2/58	3.15	50	53	542	4140	3/00	2.93	0	0	53	57	61	65	68	72	75
2	541	575	541	1507	933	41	-2/55	-3.39	50	56	541	1215	-2/55	-3.29	0	0	56	59	63	67	71	74	77
2	541	3449	540	1625	3358	41	-3/51	-3.91	45	48	540	1040	-4/05	-3.62	0	0	48	51	54	58	60	63	66
2	540	2085	540	4547	2463	39	3/59	3.87	45	48	540	3726	4/03	3.56	0	0	48	51	54	58	61	63	66
2	539	1025	539	2218	1194	40	-2/53	-2.26	45	51	539	1706	-2/53	-2.22	0	0	51	55	59	63	67	71	74
2	539	3147	538	316	2316	40	3/58	4.05	45	49	539	3942	4/01	3.88	0	0	49	52	56	59	62	64	67
2	538	2682	538	4273	1592	42	-0/59	-1.61	70	80	538	3076	-1/02	-1.62	0	0	80	88	95	102	109	115	121
2	537	670	537	1791	1122	45	1/54	4.16	60	73	537	1360	1/56	4.11	0	0	73	77	82	86	90	94	98
2	536	515	536	2337	1823	48	1/55	3.29	60	67	536	1264	1/58	3.22	0	0	67	72	77	81	86	90	94
2	536	5129	535	1084	1227	47	-1/57	-3.26	60	65	535	881	-2/01	-3.09	0	0	65	70	75	80	84	88	92
2	534	1664	534	2762	1099	49	1/54	3.02	60	66	534	2206	1/57	3.02	0	0	66	71	76	81	85	89	93
2	534	4936	533	1359	1637	45	-1/59	-4.06	60	70	533	187	-2/02	-4.05	0	0	70	75	79	84	88	92	95
2	533	4992	532	635	998	40	2/24	2.64	50	58	532	225	2/24	2.62	0	0	58	62	67	71	75	79	83
2	532	2055	532	4182	2128	39	-2/40	-3.23	50	56	532	3515	-2/43	-2.98	0	0	56	60	64	68	72	76	79
2	531	1055	531	1826	772	35	1/27	1.16	50	63	531	1509	1/31	1.13	0	0	63	69	76	82	87	92	97
2	531	4086	530	15	1341	31	3/43	4.35	60	52	531	4970	3/47	4.11	0	0	52	55	58	61	64	67	70
2	530	1634	530	2154	521	25	-0/40	-0.94	25	87	530	2083	-0/43	-0.93	0	0	87	98	108	117	125	133	140
2	530	2154	530	2376	223	24	-2/50	0.73	25	33	530	2275	-2/52	0.84	0	0	33	39	45	50	55	59	63



Exception Report  
Curve Analysis Section  
Milepost 683 to Milepost 510  
MP 609 to Cheyenne, WY

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
											Deg/Mi	Inches	Deg/Mi	Inches					Deg/Mi	Inches			
1	530	2376	530	2599	224	24	2/55	-0.53	25	34	530	2482	2/59	-0.57	0	0	34	40	46	50	55	59	63
1	530	3093	530	3898	806	27	-1/27	-2.87	60	75	530	3330	-1/26	-2.71	0	0	75	81	87	93	98	103	108
1	529	481	529	1994	1514	38	-2/07	-4.48	60	69	529	1128	-2/13	-4.39	0	0	69	73	77	81	85	89	93
1	529	2897	528	416	2914	46	0/52	1.4	70	79	529	4431	0/55	0.99	0	0	79	88	96	104	112	118	125
1	528	2898	528	4117	1220	49	-0/57	-1.34	70	78	528	3829	-0/58	-1.23	0	0	78	87	95	103	110	116	122
1	527	3625	527	4635	1011	49	0/55	2.11	70	86	527	3816	0/56	1.85	0	0	86	94	102	109	115	122	128
1	526	2594	526	4219	1626	46	3/00	3.85	50	56	526	3787	3/00	3.63	0	0	56	60	64	67	71	74	77
1	525	945	525	2608	1664	45	-3/02	-4.13	50	56	525	1888	-3/08	-3.89	0	0	56	60	63	67	70	73	76
1	524	2331	524	3533	1203	46	-1/28	-1.28	50	63	524	3271	-1/29	-1.11	0	0	63	70	76	82	88	93	98
1	523	3919	523	5008	1090	44	2/32	3.26	70	59	523	4543	2/35	3.29	0	0	59	63	67	71	75	79	82
1	521	2299	521	3579	1281	38	0/56	1.44	70	80	521	3112	0/58	1.34	0	0	80	89	97	104	111	117	124
1	521	4989	520	1312	1559	34	-0/56	-2.52	70	89	520	21	-0/58	-2.46	0	0	89	97	104	111	118	124	129
1	520	4557	520	4796	240	23	2/55	-0.3	25	36	520	4699	2/59	-0.32	0	0	36	41	47	52	56	60	64
2	520	4796	520	5025	230	23	-2/52	0.72	25	33	520	4895	-2/53	0.83	0	0	33	39	45	50	55	59	63
2	520	5078	519	942	1226	27	1/47	3.69	60	71	519	300	1/56	3.74	0	0	71	75	80	84	89	93	97
2	518	250	518	4516	4267	44	-0/56	-1.9	70	83	518	3956	-0/59	-1.74	0	0	83	91	99	106	112	119	125
2	516	1627	516	2412	786	43	1/52	3.76	60	70	516	1858	1/53	3.42	0	0	70	75	80	84	89	93	97
2	516	4631	515	1027	1719	43	-0/57	-3.09	60	92	515	631	-0/59	-2.99	0	0	92	100	107	113	120	125	131
2	512	1002	512	1549	548	30	-1/13	-1.12	40	69	512	1396	-1/12	-1.09	0	0	69	77	85	91	98	104	109
2	512	4492	512	5944	1453	24	0/55	1.18	40	78	512	5069	0/58	1.15	0	0	78	87	95	102	109	116	122
2	512	6529	512	6808	280	21	2/50	-0.13	25	38	512	6656	2/52	-0.15	0	0	38	43	49	53	58	62	66
2	512	6808	512	7031	224	20	-2/47	0.76	25	33	512	6944	-2/47	0.84	0	0	33	40	46	51	56	60	64
4	512	7031	512	7284	254	19	2/46	-0.45	25	36	512	7121	2/46	-0.45	0	0	36	42	48	53	58	62	66
4	512	7284	512	7519	236	18	-2/53	0.21	25	33	512	7381	-2/58	0.72	0	0	33	39	45	50	55	59	63
4	512	7608	512	8225	618	16	-2/01	-2.62	35	57	512	7877	-2/20	-2.33	0	0	57	62	67	71	75	79	83
4	512	9345	512	9564	220	11	0/28	0.43	35	89	512	9443	0/37	0.41	0	0	89	101	112	122	131	140	148
4	512	10211	512	10574	364	9	-0/26	-0.4	35	96	512	10360	-0/33	-0.59	0	0	96	109	120	130	140	149	157
4	512	10574	510	123	200	3	0/22	0.78	35	113	510	14	0/26	0.81	0	0	113	126	138	150	161	171	180
7	510	178	510	665	488	4	2/49	0.15	10	23	510	345	5/34	-0.9	0	0	23	28	32	36	39	42	45
7	510	665	510	988	324	4	-6/16	0.25	10	25	510	847	-6/16	0.25	0	0	25	29	32	36	39	42	44

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 683 to Milepost 510  
 MP 609 to Cheyenne, WY

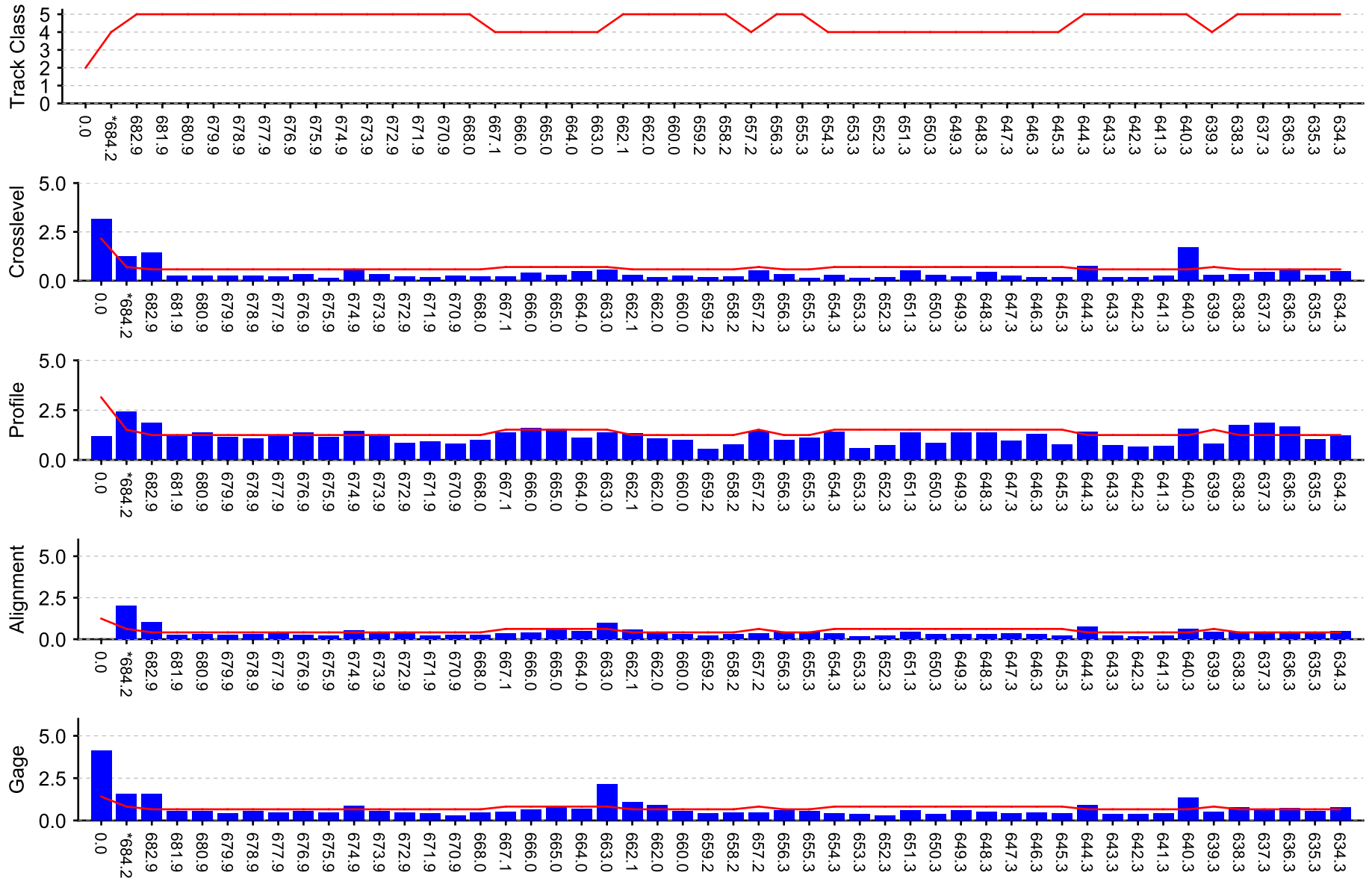
Page 1 of 1  
 Run Date: 11/01/2017  
 Run ID: 2017110101

MP	FT	Wide Gage			Tight Gage		Alignment			Crosslevel			Rockoff			Profile			Run Off			Warp			Twist-31			Lmt Spd	Lim	Pst	Trk
		Exc	FT	Drop	Exc	FT	Exc	FT	Drop	Exc	FT	Drop	Exc	FT	Drop	Exc	FT	Drop	Exc	FT	Drop	Exc	FT	Drop	Exc	FT	Drop	Exc			
624	5244	-	-	-	-	-	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	2
611	5311	-	-	-	-	-	-	-	-	1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	2
602	5303	-	-	-	-	-	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	2
583	5202	-	-	-	-	-	1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	2
541	5239	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	4	2
531	5089	5	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	4	2
		<b>6</b>	<b>10</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3</b>	<b>14</b>	<b>-</b>	<b>1</b>	<b>6</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>			

**Total Miles: 172.20**  
**Exceptions per 100 Miles: 5.81**  
**CY15 National Average Exceptions per 100 miles: 9.9**

# Track Quality Index

MP 609 - Cheyenne, WY

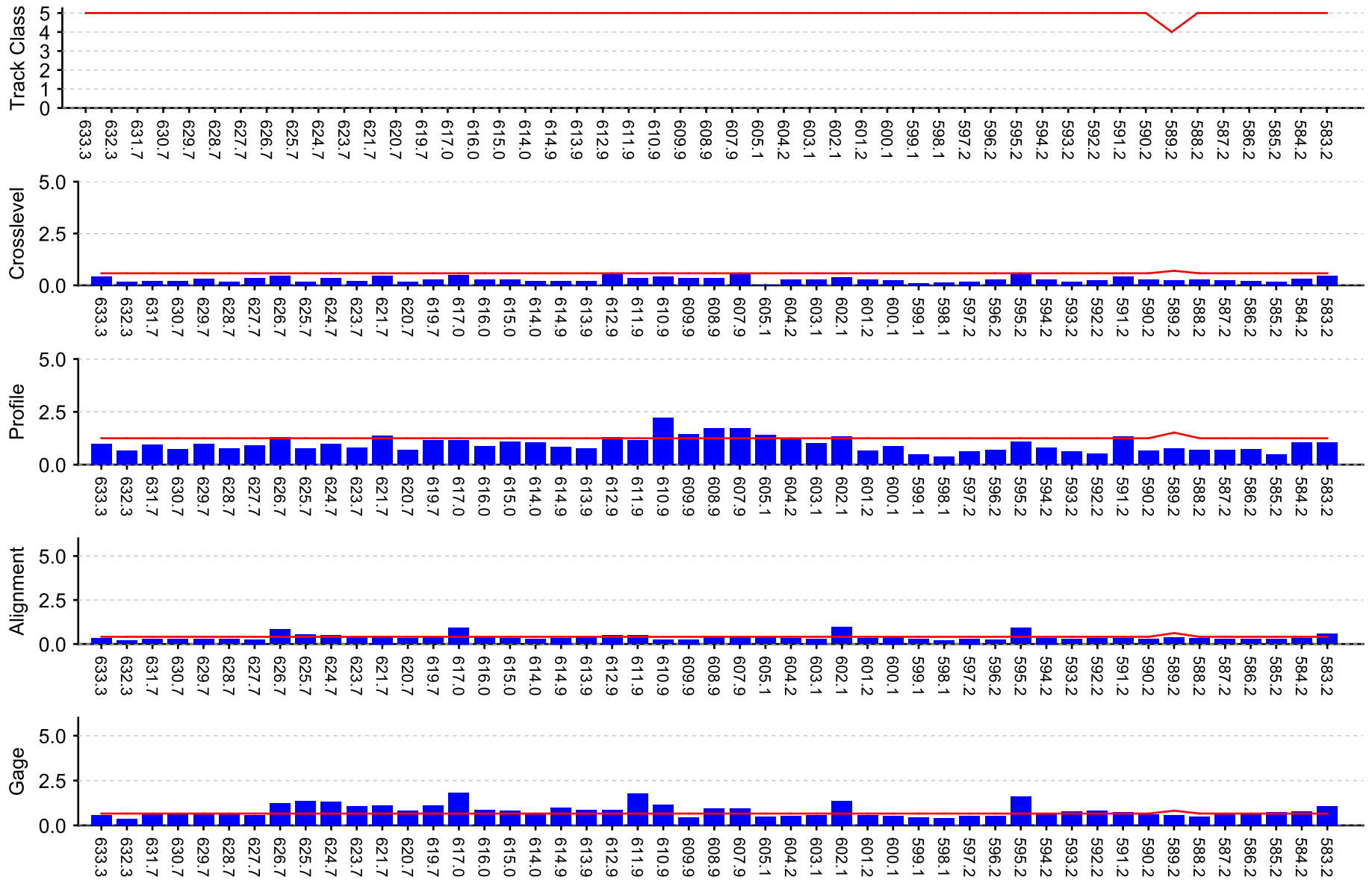


# Track Quality Index

Milepost 683 to Milepost 510

MP 609

- Cheyenne, WY

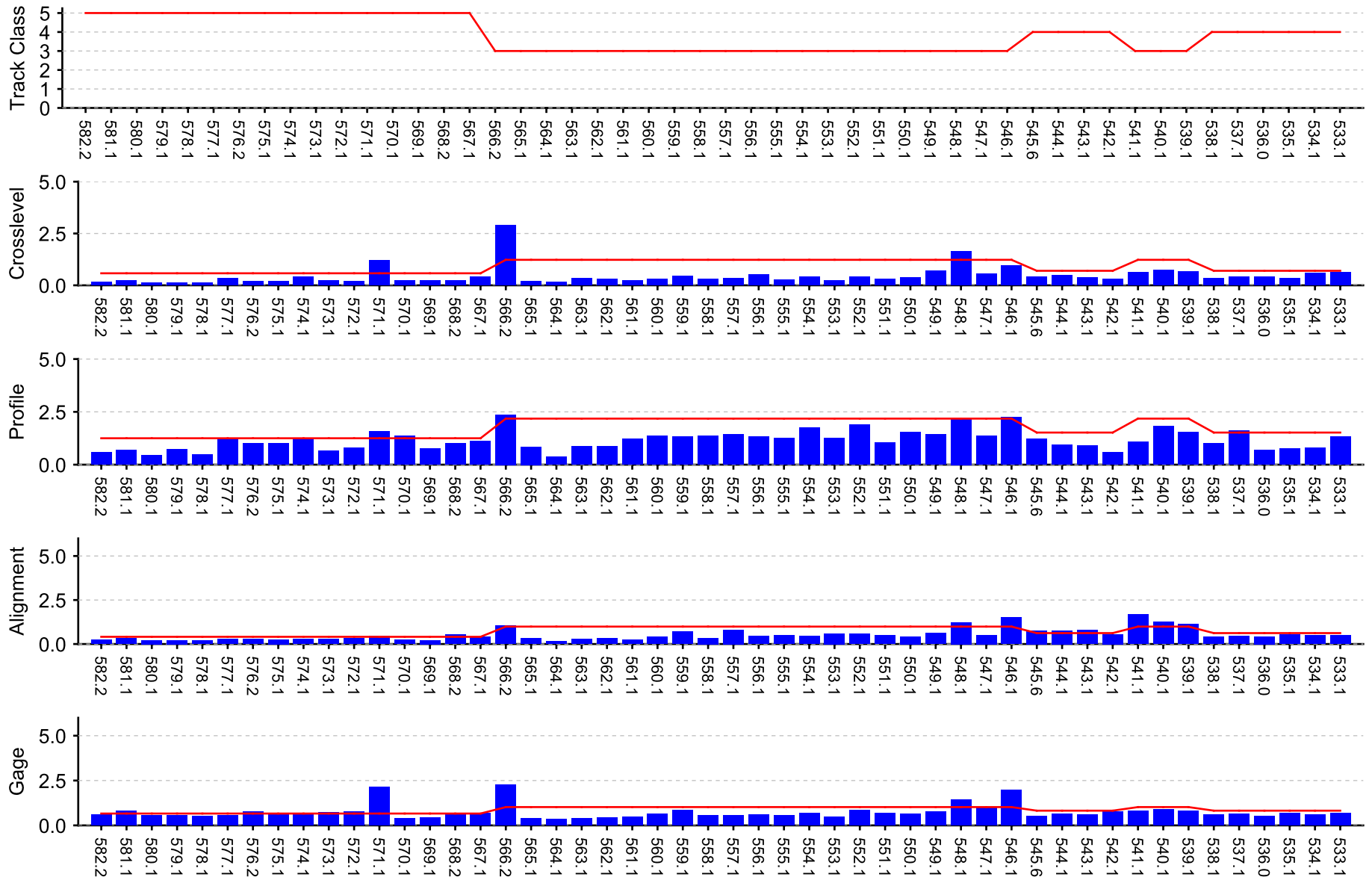


# Track Quality Index

Milepost 683 to Milepost 510

MP 609

- Cheyenne, WY

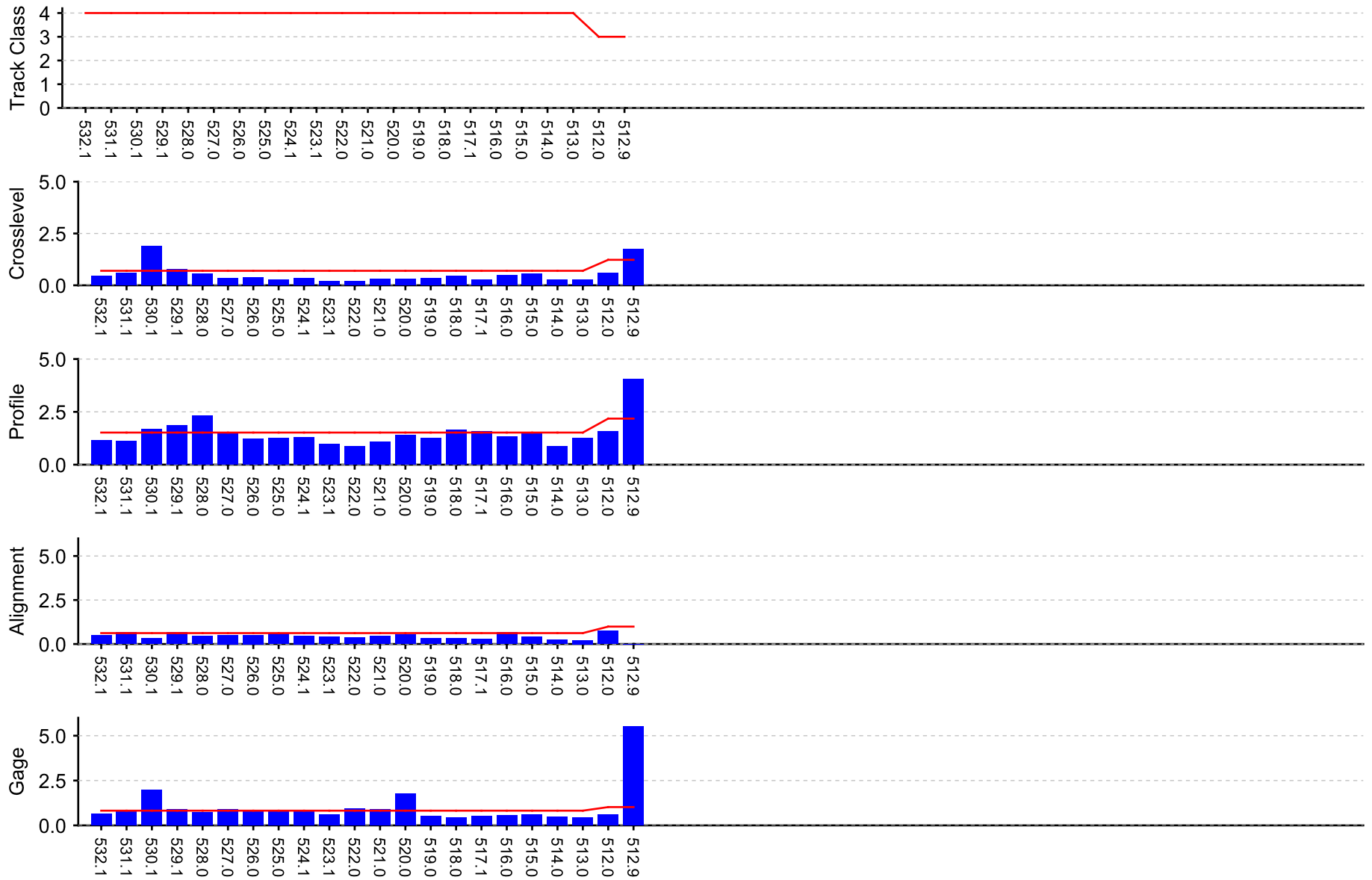


# Track Quality Index

Milepost 683 to Milepost 510

MP 609

- Cheyenne, WY



Exception Report  
 Class Plus 1 Exception List Section  
 Milepost 683 to Milepost 510  
 MP 609 to Cheyenne, WY

Page 1 of 9  
 Run Date: 11/01/2017  
 Run ID: 2017110101

MP	FT	Seq#	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
0	0		Track Change	0.00	0	1	T	0	0	7		
683	157		Down Milepost	683.00	0	4	T	0	0	7	41.785740	-107.241059
683	1057		Track Change	0.00	0	4	T	0	0	7	41.785740	-107.241059
683	1057		Class Change	1.00	0	4	T	0	0	7	41.785740	-107.241059
683	1057		Posted Speed	10.00	0	4	T	0	0	7	41.785740	-107.241059
683	1057		State Line	WY	0	4	T	0	0	7	41.785740	-107.241059
683	1058		Railroad	UP -	0	4	T	0	0	7	41.785740	-107.241057
683	1059		Subdivision	LARAMI	0	4	T	0	0	7	41.785741	-107.241054
683	1229	2	<b>Rev Elevation</b>	2.11	1	4	B	1	2	7	41.785883	-107.240458
683	2075		Class Change	2.00	0	6	E	0	0	7	41.786805	-107.237622
683	2075		Posted Speed	20.00	0	6	E	0	0	7	41.786805	-107.237622
683	2083		Track Change	0.00	0	6	E	0	0	6	41.786812	-107.237594
683	5016		Posted Speed	25.00	0	24	T	0	0	6	41.788722	-107.227189
682	6314		Down Milepost	682.00	0	26	T	0	0	6	41.789105	-107.222461
682	2500		Class Change	3.00	0	29	B	0	0	6	41.789400	-107.213337
682	2500		Posted Speed	30.00	0	29	B	0	0	6	41.789400	-107.213337
682	2880		Posted Speed	40.00	0	29	C	0	0	6	41.789310	-107.211951
682	4219		Class Change	4.00	0	29	E	0	0	6	41.788353	-107.207227
682	4219		Posted Speed	60.00	0	29	E	0	0	6	41.788353	-107.207227
682	4228	11	<b>L Align 62</b>	1.13	16	29	E	4	5	6	41.788344	-107.207196
682	4231	10	<b>R Align 62</b>	0.81	2	29	E	4	5	6	41.788341	-107.207185
682	4258		Track Change	0.00	0	29	E	0	0	2	41.788315	-107.207093
682	4263	12	<b>R Align 62</b>	-0.75	1	29	E	4	5	2	41.788311	-107.207076
682	4272	13	<b>L Align 62</b>	-0.90	22	29	E	4	5	2	41.788302	-107.207045
681	5331		Down Milepost	681.00	0	32	E	0	0	2	41.787216	-107.203434
681	4556		Class Change	5.00	0	45	T	0	0	2	41.783330	-107.187592
681	4556		Posted Speed	79.00	0	45	T	0	0	2	41.783330	-107.187592
680	5220		Down Milepost	680.00	0	47	T	0	0	2	41.782863	-107.185238
679	5336		Down Milepost	679.00	0	48	T	0	0	2	41.779118	-107.166370
678	5289		Down Milepost	678.00	0	50	T	0	0	2	41.776669	-107.147402
677	5183		Down Milepost	677.00	0	49	T	0	0	2	41.777197	-107.128448
676	5308		Down Milepost	676.00	0	50	T	0	0	2	41.777689	-107.109004
675	5299		Down Milepost	675.00	0	49	T	0	0	2	41.778254	-107.089616
674	5219		Down Milepost	674.00	0	49	T	0	0	2	41.778780	-107.070534
673	5319		Down Milepost	673.00	0	50	T	0	0	2	41.779306	-107.051072
672	5420		Down Milepost	672.00	0	50	T	0	0	2	41.779839	-107.031240
671	5179		Down Milepost	671.00	0	49	T	0	0	2	41.780345	-107.012288
670	5304		Down Milepost	670.00	0	47	T	0	0	2	41.780657	-106.992880
669	5178		Down Milepost	669.00	0	49	T	0	0	2	41.779860	-106.973951

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MP	FT	Seq#	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
668	5177		Down Milepost	668.00	0	50	C	0	0	2	41.777373	-106.955317
667	4909		Down Milepost	667.00	0	49	T	0	0	2	41.777307	-106.937343
667	2513		Class Change	4.00	0	47	T	0	0	2	41.777297	-106.928145
667	2513		Posted Speed	65.00	0	47	T	0	0	2	41.777297	-106.928145
666	5463		Down Milepost	666.00	0	48	C	0	0	2	41.774784	-106.918150
665	5288		Down Milepost	665.00	0	49	C	0	0	2	41.765829	-106.903199
664	5309		Down Milepost	664.00	0	49	T	0	0	2	41.762071	-106.884655
664	1637	35	<b>Twist 31ft*</b>	0.87	11	49	E	4	5	2	41.760159	-106.879287
663	5203		Down Milepost	663.00	0	48	C	0	0	2	41.758166	-106.866519
662	5245		Down Milepost	662.00	0	49	T	0	0	2	41.760348	-106.847557
662	5401		Class Change	5.00	0	49	T	0	0	2	41.765051	-106.829285
662	5401		Posted Speed	79.00	0	49	T	0	0	2	41.765051	-106.829285
661	5431		Up Milepost	662.00	0	49	T	0	0	2	41.765111	-106.829206
660	5228		Down Milepost	660.00	0	49	T	0	0	2	41.775350	-106.815814
659	4442		Down Milepost	659.00	0	49	C	0	0	2	41.785026	-106.806351
658	5178		Down Milepost	658.00	0	50	C	0	0	2	41.799119	-106.807544
657	5128		Down Milepost	657.00	0	49	C	0	0	2	41.810307	-106.798088
657	2935		Class Change	4.00	0	46	T	0	0	2	41.813264	-106.788094
657	2935		Posted Speed	65.00	0	46	T	0	0	2	41.813264	-106.788094
656	4870		Down Milepost	656.00	0	47	C	0	0	2	41.815675	-106.781811
656	4238		Class Change	5.00	0	49	E	0	0	2	41.824856	-106.772498
656	4238		Posted Speed	79.00	0	49	E	0	0	2	41.824856	-106.772498
655	5243		Down Milepost	655.00	0	49	T	0	0	2	41.826726	-106.769791
654	5230		Down Milepost	654.00	0	49	C	0	0	2	41.832731	-106.753224
654	2270		Class Change	4.00	0	49	T	0	0	2	41.831521	-106.745070
654	2270		Posted Speed	65.00	0	49	T	0	0	2	41.831521	-106.745070
654	4872		Posted Speed	70.00	0	49	T	0	0	2	41.832128	-106.735775
653	5286		Down Milepost	653.00	0	49	T	0	0	2	41.832580	-106.734380
652	5475		Down Milepost	652.00	0	49	T	0	0	2	41.836422	-106.715259
651	5183		Down Milepost	651.00	0	48	T	0	0	2	41.836833	-106.696306
651	1259		Posted Speed	65.00	0	48	T	0	0	2	41.837504	-106.691781
651	1814	46	<b>Twist 31ft*</b>	0.87	4	48	B	4	5	2	41.837782	-106.689781
651	4425	48	<b>Crosslevel</b>	1.17	7	49	T	4	5	2	41.835852	-106.680855
650	5197		Down Milepost	650.00	0	49	T	0	0	2	41.834681	-106.678495
649	5351		Down Milepost	649.00	0	50	C	0	0	2	41.830217	-106.660374
648	5378		Down Milepost	648.00	0	49	B	0	0	2	41.832857	-106.640987
648	854	49	<b>L Prof 62</b>	-1.40	2	50	C	4	5	2	41.833655	-106.638056
648	854	50	<b>R Prof 62</b>	-1.43	2	50	C	4	5	2	41.833655	-106.638056
647	5233		Down Milepost	647.00	0	50	T	0	0	2	41.842976	-106.628193



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MP	FT	Seq#	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
647	4871	51	Twist 31ft*	-0.88	3	50	E	4	5	2	41.853700	-106.617680
646	5220		Down Milepost	646.00	0	50	T	0	0	2	41.854272	-106.616652
646	4609	52	Twist 31ft*	-0.98	5	49	E	4	5	2	41.861386	-106.602762
645	5165		Down Milepost	645.00	0	50	T	0	0	2	41.861859	-106.600821
644	5552		Down Milepost	644.00	0	50	T	0	0	2	41.866541	-106.581456
644	3161		Class Change	5.00	0	49	T	0	0	2	41.868384	-106.570236
644	3161		Posted Speed	79.00	0	49	T	0	0	2	41.868384	-106.570236
643	5251		Down Milepost	643.00	0	47	T	0	0	2	41.868235	-106.562560
642	5110		Down Milepost	642.00	0	49	T	0	0	2	41.869495	-106.543951
641	5414		Down Milepost	641.00	0	48	T	0	0	2	41.871714	-106.524330
640	5379		Down Milepost	640.00	0	48	C	0	0	2	41.874658	-106.505083
639	5075		Down Milepost	639.00	0	49	T	0	0	2	41.883715	-106.491177
638	5385		Down Milepost	638.00	0	50	C	0	0	2	41.894979	-106.478488
638	1023		Class Change	4.00	0	49	T	0	0	2	41.896605	-106.475433
638	1023		Posted Speed	65.00	0	49	T	0	0	2	41.896605	-106.475433
638	2665		Class Change	5.00	0	50	E	0	0	2	41.898610	-106.470107
638	2665		Posted Speed	79.00	0	50	E	0	0	2	41.898610	-106.470107
637	5194		Down Milepost	637.00	0	51	T	0	0	2	41.900365	-106.461131
636	5383		Down Milepost	636.00	0	51	T	0	0	2	41.905563	-106.442735
635	5220		Down Milepost	635.00	0	49	T	0	0	2	41.906694	-106.423876
634	5154		Down Milepost	634.00	0	50	T	0	0	2	41.907597	-106.405272
633	5473		Down Milepost	633.00	0	49	E	0	0	2	41.910473	-106.385750
633	437		Concrete Ties Start	0.00	0	49	T	0	0	2	41.910316	-106.384160
633	2069		Concrete Ties End	0.00	0	49	T	0	0	2	41.909725	-106.378241
632	5078		Down Milepost	632.00	0	49	T	0	0	2	41.908623	-106.367299
631	3157		Down Milepost	631.00	0	49	T	0	0	2	41.907849	-106.355774
630	5315		Down Milepost	630.00	0	50	T	0	0	2	41.906443	-106.336448
629	5402		Down Milepost	629.00	0	50	T	0	0	2	41.903173	-106.317119
628	5270		Down Milepost	628.00	0	49	T	0	0	2	41.899982	-106.298263
627	5279		Down Milepost	627.00	0	49	T	0	0	2	41.896783	-106.279377
626	5282		Down Milepost	626.00	0	49	T	0	0	2	41.893579	-106.260484
625	5190		Down Milepost	625.00	0	50	T	0	0	2	41.892309	-106.241638
624	5244		Down Milepost	624.00	0	49	T	0	0	2	41.893484	-106.222467
623	5371		Down Milepost	623.00	0	48	T	0	0	2	41.894683	-106.202831
622	5394		Up Milepost	623.00	0	48	C	0	0	2	41.894712	-106.183195
621	5309		Down Milepost	621.00	0	49	T	0	0	2	41.887524	-106.166297
620	5229		Down Milepost	620.00	0	48	T	0	0	2	41.880144	-106.149853
619	5183		Down Milepost	619.00	0	49	T	0	0	2	41.872830	-106.133561
618	5336		Down Milepost	618.00	0	50	T	0	0	2	41.865297	-106.116792

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617	3509		Down Milepost	617.00	0	49	C	0	0	2	41.860380	-106.105737
616	5283		Down Milepost	616.00	0	48	T	0	0	2	41.853750	-106.088488
615	5276		Down Milepost	615.00	0	49	T	0	0	2	41.847215	-106.071204
614	5354		Down Milepost	614.00	0	50	T	0	0	2	41.839081	-106.054920
613	5432		Down Milepost	613.00	0	49	T	0	0	2	41.830729	-106.038443
612	5341		Down Milepost	612.00	0	49	T	0	0	2	41.822515	-106.022244
611	5311		Down Milepost	611.00	0	48	T	0	0	2	41.816888	-106.004616
610	5193		Down Milepost	610.00	0	37	C	0	0	2	41.809964	-105.988787
609	5217		Down Milepost	609.00	0	26	T	0	0	2	41.796079	-105.985357
608	5364		Down Milepost	608.00	0	45	T	0	0	2	41.781404	-105.984158
607	5301		Down Milepost	607.00	0	49	T	0	0	2	41.766903	-105.982972
606	5366		Down Milepost	606.00	0	49	T	0	0	2	41.752221	-105.981816
605	4425		Down Milepost	605.00	0	49	T	0	0	2	41.740111	-105.980815
604	4970		Down Milepost	604.00	0	49	C	0	0	2	41.728080	-105.973476
603	5584		Down Milepost	603.00	0	49	C	0	0	2	41.723393	-105.954409
602	5303		Down Milepost	602.00	0	51	C	0	0	2	41.723643	-105.935089
602	278		Posted Speed	65.00	0	51	C	0	0	2	41.723388	-105.934131
602	2504		Posted Speed	70.00	0	49	B	0	0	2	41.720395	-105.927043
601	5070		Down Milepost	601.00	0	49	T	0	0	2	41.719815	-105.917844
600	5470		Down Milepost	600.00	0	49	T	0	0	2	41.716870	-105.898817
600	1170		Class Change	4.00	0	49	T	0	0	2	41.715127	-105.895226
600	1170		Posted Speed	65.00	0	49	T	0	0	2	41.715127	-105.895226
600	3466		Class Change	5.00	0	50	T	0	0	2	41.710464	-105.889804
600	3466		Posted Speed	70.00	0	50	T	0	0	2	41.710464	-105.889804
600	5256		Concrete Ties Start	0.00	0	49	T	0	0	2	41.706145	-105.886703
599	5273		Down Milepost	599.00	0	49	T	0	0	2	41.706102	-105.886672
599	2169		Concrete Ties End	0.00	0	49	E	0	0	2	41.701574	-105.881659
599	2606		Posted Speed	79.00	0	49	T	0	0	2	41.700851	-105.880385
598	5164		Down Milepost	598.00	0	49	T	0	0	2	41.696618	-105.872925
597	5102		Down Milepost	597.00	0	49	T	0	0	2	41.688175	-105.858054
596	5351		Down Milepost	596.00	0	49	T	0	0	2	41.680696	-105.841297
595	5134		Down Milepost	595.00	0	49	T	0	0	2	41.674339	-105.824553
594	5419		Down Milepost	594.00	0	48	T	0	0	2	41.667627	-105.806885
594	1212		Posted Speed	75.00	0	47	T	0	0	2	41.666123	-105.802933
594	3689		Posted Speed	70.00	0	47	E	0	0	2	41.661896	-105.796008
593	5113		Down Milepost	593.00	0	48	T	0	0	2	41.658698	-105.793020
593	3123		Posted Speed	79.00	0	46	T	0	0	2	41.651686	-105.786479
592	5360		Down Milepost	592.00	0	42	T	0	0	2	41.646661	-105.781793
591	5372		Down Milepost	591.00	0	19	T	0	0	2	41.634595	-105.770548

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590	5258		Down Milepost	590.00	0	46	T	0	0	2	41.623563	-105.758332
589	5110		Down Milepost	589.00	0	47	T	0	0	2	41.614113	-105.744557
589	3023		Class Change	4.00	0	48	T	0	0	2	41.608524	-105.736410
589	3023		Posted Speed	65.00	0	48	T	0	0	2	41.608524	-105.736410
588	5435		Down Milepost	588.00	0	48	T	0	0	2	41.604811	-105.729212
588	1725		Class Change	5.00	0	46	T	0	0	2	41.602160	-105.724075
588	1725		Posted Speed	79.00	0	46	T	0	0	2	41.602160	-105.724075
587	5247		Down Milepost	587.00	0	48	T	0	0	2	41.595151	-105.715230
586	5309		Down Milepost	586.00	0	48	C	0	0	2	41.584436	-105.702137
585	5264		Down Milepost	585.00	0	49	T	0	0	2	41.571389	-105.693967
584	5366		Down Milepost	584.00	0	50	T	0	0	2	41.557987	-105.685907
583	5202		Down Milepost	583.00	0	47	T	0	0	2	41.544994	-105.678098
582	5302		Down Milepost	582.00	0	49	T	0	0	2	41.531746	-105.670139
581	5408		Down Milepost	581.00	0	49	T	0	0	2	41.518237	-105.662026
580	5259		Down Milepost	580.00	0	48	T	0	0	2	41.505099	-105.654139
579	5305		Down Milepost	579.00	0	49	T	0	0	2	41.491844	-105.646187
578	5307		Down Milepost	578.00	0	50	T	0	0	2	41.478585	-105.638235
577	5224		Down Milepost	577.00	0	50	T	0	0	2	41.465532	-105.630409
576	5162		Down Milepost	576.00	0	49	T	0	0	2	41.452060	-105.624974
575	5457		Down Milepost	575.00	0	50	T	0	0	2	41.437401	-105.621026
574	5371		Down Milepost	574.00	0	49	T	0	0	2	41.422973	-105.617142
573	5184		Down Milepost	573.00	0	48	T	0	0	2	41.409046	-105.613397
572	5227		Down Milepost	572.00	0	48	T	0	0	2	41.395004	-105.609619
571	5275		Down Milepost	571.00	0	41	T	0	0	2	41.380791	-105.606127
571	1853		Class Change	3.00	0	37	T	0	0	2	41.375762	-105.605191
571	1853		Posted Speed	40.00	0	37	T	0	0	2	41.375762	-105.605191
571	2453		Track Change	0.00	0	37	E	0	0	1	41.374138	-105.604842
571	2768		Class Change	5.00	0	37	T	0	0	1	41.373283	-105.604683
571	2768		Posted Speed	79.00	0	37	T	0	0	1	41.373283	-105.604683
570	5344		Down Milepost	570.00	0	43	T	0	0	1	41.366289	-105.603380
569	5298		Down Milepost	569.00	0	47	T	0	0	1	41.351912	-105.600670
568	5166		Down Milepost	568.00	0	47	T	0	0	1	41.337903	-105.597952
567	5436		Down Milepost	567.00	0	45	C	0	0	1	41.323148	-105.595191
566	5102		Down Milepost	566.00	0	39	T	0	0	1	41.309209	-105.596515
566	3024		Class Change	3.00	0	38	T	0	0	1	41.300948	-105.597403
566	3024		Posted Speed	40.00	0	38	T	0	0	1	41.300948	-105.597403
566	3892		Track Change	0.00	0	37	C	0	0	2	41.298581	-105.597718
566	4291		Posted Speed	45.00	0	36	B	0	0	2	41.297484	-105.597779
565	5396		Down Milepost	565.00	0	36	E	0	0	2	41.294801	-105.596187

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564	5548		Down Milepost	564.00	0	39	T	0	0	2	41.282659	-105.584095
563	5153		Down Milepost	563.00	0	40	T	0	0	2	41.271212	-105.573149
562	5235		Down Milepost	562.00	0	40	C	0	0	2	41.259574	-105.562031
561	5324		Down Milepost	561.00	0	39	T	0	0	2	41.245245	-105.558940
560	5206		Down Milepost	560.00	0	39	T	0	0	2	41.231075	-105.556738
559	5392		Down Milepost	559.00	0	40	B	0	0	2	41.216398	-105.554451
558	5277		Down Milepost	558.00	0	39	T	0	0	2	41.203079	-105.548954
557	5113		Down Milepost	557.00	0	39	T	0	0	2	41.189066	-105.549068
556	5533		Down Milepost	556.00	0	39	B	0	0	2	41.173937	-105.549151
555	5219		Down Milepost	555.00	0	39	B	0	0	2	41.162044	-105.539423
554	5265		Down Milepost	554.00	0	39	T	0	0	2	41.155058	-105.523187
553	5332		Down Milepost	553.00	0	39	T	0	0	2	41.143656	-105.511593
552	5313		Down Milepost	552.00	0	39	T	0	0	2	41.129515	-105.510153
552	1093	137	<b>Gage Wide</b>	57.63	3	41	C	3	4	2	41.126539	-105.510155
551	5205		Down Milepost	551.00	0	39	C	0	0	2	41.119490	-105.499245
550	5221		Down Milepost	550.00	0	38	C	0	0	2	41.106244	-105.499812
549	5443		Down Milepost	549.00	0	38	C	0	0	2	41.091935	-105.494866
549	5269	164	<b>Gage Wide</b>	57.61	3	36	B	3	4	2	41.080583	-105.483162
548	5362		Down Milepost	548.00	0	36	C	0	0	2	41.080415	-105.482904
548	770	170	<b>Gage Wide</b>	57.79	17	33	C	1	4	2	41.079431	-105.480457
548	3244		Class Change	2.00	0	23	T	0	0	2	41.078394	-105.471606
548	3244		Posted Speed	25.00	0	23	T	0	0	2	41.078394	-105.471606
548	3512	173	<b>L Align 62</b>	1.94	4	22	E	2	3	2	41.078272	-105.470645
548	3825		Class Change	3.00	0	22	S	0	0	2	41.078130	-105.469531
548	3825		Posted Speed	45.00	0	22	S	0	0	2	41.078130	-105.469531
547	5160		Down Milepost	547.00	0	31	E	0	0	2	41.078634	-105.464812
546	5185		Down Milepost	546.00	0	40	C	0	0	2	41.083714	-105.447326
545	2848		Down Milepost	545.00	0	40	T	0	0	2	41.082625	-105.437154
545	2567	189	<b>Gage Wide</b>	57.70	9	39	C	3	4	2	41.081285	-105.428056
545	2602	190	<b>Gage Wide</b>	57.61	1	39	C	3	4	2	41.081289	-105.427930
545	5559		Class Change	4.00	0	38	T	0	0	2	41.083835	-105.417791
545	5559		Posted Speed	50.00	0	38	T	0	0	2	41.083835	-105.417791
545	6499		Class Change	3.00	0	37	C	0	0	2	41.084345	-105.414479
545	6499		Posted Speed	45.00	0	37	C	0	0	2	41.084345	-105.414479
545	7345		Class Change	4.00	0	38	E	0	0	2	41.083787	-105.411527
545	7345		Posted Speed	50.00	0	38	E	0	0	2	41.083787	-105.411527
544	7717		Down Milepost	544.00	0	39	T	0	0	2	41.083385	-105.410285
543	5353		Down Milepost	543.00	0	44	T	0	0	2	41.083169	-105.391834
542	5444		Down Milepost	542.00	0	44	E	0	0	2	41.093257	-105.378323

Exception Report  
Class Plus 1 Exception List Section  
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MP 609 to Cheyenne, WY

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MP	FT	Seq#	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
541	5239		Down Milepost	541.00	0	43	T	0	0	2	41.098458	-105.361484
541	1108	193	<b>Gage Wide</b>	57.61	1	41	C	3	5	2	41.097815	-105.357568
541	2626	194	<b>Crosslevel</b>	-1.22	4	40	T	4	5	2	41.098056	-105.352083
541	3346		Class Change	3.00	0	40	T	0	0	2	41.098219	-105.349480
541	3346		Posted Speed	45.00	0	40	T	0	0	2	41.098219	-105.349480
540	5180		Down Milepost	540.00	0	40	C	0	0	2	41.100747	-105.344188
540	3526	218	<b>Gage Wide</b>	57.63	4	39	C	3	4	2	41.109634	-105.347248
539	5427		Down Milepost	539.00	0	40	T	0	0	2	41.113463	-105.342752
539	1710	230	<b>Gage Wide</b>	57.69	7	40	C	3	4	2	41.116669	-105.338257
538	5145		Down Milepost	538.00	0	40	E	0	0	2	41.123137	-105.330624
538	690		Class Change	4.00	0	40	T	0	0	2	41.122857	-105.328152
538	690		Posted Speed	70.00	0	40	T	0	0	2	41.122857	-105.328152
537	5389		Down Milepost	537.00	0	44	T	0	0	2	41.122115	-105.311257
537	501		Posted Speed	60.00	0	45	T	0	0	2	41.122248	-105.309450
536	5309		Down Milepost	536.00	0	45	T	0	0	2	41.120583	-105.292222
535	5270		Down Milepost	535.00	0	47	B	0	0	2	41.113263	-105.276198
534	5275		Down Milepost	534.00	0	50	T	0	0	2	41.108059	-105.258429
534	2761	231	<b>Rev Elevation</b>	-1.22	6	49	E	4	5	2	41.105178	-105.249224
534	2762	232	<b>Crosslevel</b>	-1.22	15	49	T	4	5	2	41.105176	-105.249221
533	5212		Down Milepost	533.00	0	44	B	0	0	2	41.101353	-105.241921
533	3253	233	<b>R Prof 62</b>	-1.47	2	41	T	4	5	2	41.099442	-105.230507
533	4841		Posted Speed	50.00	0	40	T	0	0	2	41.098839	-105.224811
532	5353		Down Milepost	532.00	0	40	B	0	0	2	41.098618	-105.222980
531	5089		Down Milepost	531.00	0	36	T	0	0	2	41.097890	-105.205656
531	4205	235	<b>Twist 31ft*</b>	0.96	14	32	B	4	5	2	41.101829	-105.191374
531	4570	246	<b>Gage Wide</b>	57.60	1	31	B	3	5	2	41.102049	-105.190087
531	4628	249	<b>Gage Wide</b>	57.67	5	30	C	3	5	2	41.102068	-105.189878
531	4653	250	<b>R Align 62</b>	-0.81	8	30	C	4	5	2	41.102074	-105.189788
531	4688	252	<b>R Align 62</b>	0.93	13	30	C	4	5	2	41.102081	-105.189661
531	4724	254	<b>Gage Wide</b>	57.62	1	30	C	3	5	2	41.102086	-105.189531
531	4732	256	<b>Gage Wide</b>	57.61	1	30	C	3	5	2	41.102086	-105.189503
531	4784	258	<b>Gage Wide</b>	57.61	1	30	C	3	5	2	41.102088	-105.189315
531	5399		Posted Speed	60.00	0	27	E	0	0	2	41.101790	-105.187131
530	5410		Down Milepost	530.00	0	27	E	0	0	2	41.101781	-105.187089
530	2061		Class Change	2.00	0	24	C	0	0	2	41.100220	-105.179931
530	2061		Posted Speed	25.00	0	24	C	0	0	2	41.100220	-105.179931
530	2223	260	<b>L Align 62</b>	-2.09	4	24	B	2	3	2	41.100119	-105.179360
530	2438	264	<b>L Align 62</b>	2.18	4	24	B	2	3	2	41.100018	-105.178592
530	2438	265	<b>R Align 62</b>	2.15	13	24	B	2	3	2	41.100018	-105.178592

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MP	FT	Seq#	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
530	2444	266	L Align 62	2.14	7	24	B	2	3	2	41.100015	-105.178570
530	2523	267	L Align 62	1.98	2	24	E	2	3	2	41.099972	-105.178290
530	2524	268	R Align 62	2.06	2	24	E	2	3	2	41.099971	-105.178286
530	2525		Track Change	0.00	0	24	E	0	0	1	41.099970	-105.178283
530	2698		Class Change	4.00	0	25	T	0	0	1	41.099866	-105.177671
530	2698		Posted Speed	60.00	0	25	T	0	0	1	41.099866	-105.177671
529	5242		Down Milepost	529.00	0	36	T	0	0	1	41.099083	-105.168530
529	2168	271	Crosslevel	-1.15	3	35	T	4	5	1	41.099638	-105.160792
529	2304		Posted Speed	70.00	0	35	T	0	0	1	41.099746	-105.160320
528	5393		Down Milepost	528.00	0	45	C	0	0	1	41.100941	-105.149324
528	3001	272	Twist 31ft*	-0.90	6	48	B	4	5	1	41.099746	-105.138568
527	5276		Down Milepost	527.00	0	49	T	0	0	1	41.099702	-105.130336
526	5275		Down Milepost	526.00	0	49	T	0	0	1	41.099745	-105.111253
526	1863		Posted Speed	50.00	0	49	T	0	0	1	41.099164	-105.104547
525	5294		Down Milepost	525.00	0	44	T	0	0	1	41.095016	-105.093922
524	5219		Down Milepost	524.00	0	45	T	0	0	1	41.091051	-105.076642
523	5208		Down Milepost	523.00	0	44	T	0	0	1	41.091894	-105.057961
523	4923		Posted Speed	70.00	0	45	E	0	0	1	41.094304	-105.040461
522	5439		Down Milepost	522.00	0	45	T	0	0	1	41.094203	-105.038593
521	5296		Down Milepost	521.00	0	40	T	0	0	1	41.093149	-105.019455
520	5234		Down Milepost	520.00	0	33	B	0	0	1	41.090956	-105.000783
520	4488		Class Change	2.00	0	24	T	0	0	1	41.090402	-104.984573
520	4488		Posted Speed	25.00	0	24	T	0	0	1	41.090402	-104.984573
520	4722	276	R Align 62	2.15	20	23	E	2	3	1	41.090384	-104.983726
520	4724	277	L Align 62	2.15	16	23	E	2	3	1	41.090384	-104.983719
520	4905		Track Change	0.00	0	23	C	0	0	2	41.090349	-104.983064
520	5198		Class Change	4.00	0	23	B	0	0	2	41.090330	-104.982002
520	5198		Posted Speed	60.00	0	23	B	0	0	2	41.090330	-104.982002
519	5360		Down Milepost	519.00	0	24	B	0	0	2	41.090309	-104.981413
519	844	279	Twist 31ft*	-0.91	5	27	E	4	5	2	41.089849	-104.978426
519	1017		Posted Speed	70.00	0	28	T	0	0	2	41.089701	-104.977831
518	5257		Down Milepost	518.00	0	42	T	0	0	2	41.085996	-104.963258
518	4198	280	L Prof 62	-1.73	7	44	C	4	5	2	41.085845	-104.948389
517	5146		Down Milepost	517.00	0	45	T	0	0	2	41.086822	-104.945204
516	5373		Down Milepost	516.00	0	44	T	0	0	2	41.092451	-104.927216
516	884		Posted Speed	60.00	0	44	T	0	0	2	41.093375	-104.924255
516	4122	281	L Prof 62	-1.43	2	42	T	4	5	2	41.095694	-104.912978
515	5321		Down Milepost	515.00	0	43	C	0	0	2	41.096426	-104.908743
515	1125		Posted Speed	70.00	0	42	T	0	0	2	41.097608	-104.904978

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MP	FT	Seq#	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
515	2860	282	L Align 62	1.00	14	41	T	4	5	2	41.099730	-104.899355
515	2894	283	L Align 62	-0.92	7	41	T	4	5	2	41.099771	-104.899245
515	2994	284	Crosslevel	1.11	1	41	T	4	5	2	41.099894	-104.898920
515	2999	285	Crosslevel	1.11	1	41	T	4	5	2	41.099900	-104.898904
514	5288		Down Milepost	514.00	0	39	T	0	0	2	41.102695	-104.891476
513	5350		Down Milepost	513.00	0	39	T	0	0	2	41.109215	-104.874110
512	5305		Down Milepost	512.00	0	33	T	0	0	2	41.115665	-104.856863
512	805		Class Change	3.00	0	31	T	0	0	2	41.116645	-104.854250
512	805		Posted Speed	40.00	0	31	T	0	0	2	41.116645	-104.854250
512	6435		Class Change	2.00	0	21	T	0	0	2	41.123880	-104.836307
512	6435		Posted Speed	25.00	0	21	T	0	0	2	41.123880	-104.836307
512	7091		Track Change	0.00	0	19	B	0	0	4	41.124393	-104.834023
512	7860		Class Change	3.00	0	16	B	0	0	4	41.125021	-104.831361
512	7860		Posted Speed	35.00	0	16	B	0	0	4	41.125021	-104.831361
512	8217	294	Twist 31ft*	1.18	1	16	E	3	4	4	41.125429	-104.830186
510	10649		Down Milepost	510.00	0	3	C	0	0	4	41.128385	-104.822508
510	214		Track Change	0.00	0	4	B	0	0	7	41.128647	-104.821811
510	214		Class Change	1.00	0	4	B	0	0	7	41.128647	-104.821811
510	214		Posted Speed	10.00	0	4	B	0	0	7	41.128647	-104.821811

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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MP	FT	Wide Gage			Tight Gage		Alignment			Crosslevel			Rockoff			Profile			Run Off			Warp			Twist-31			Lmt Spd	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		Lim	Pst
		EXC	FT	Drop	EXC	FT	EXC	FT	Drop	EXC	FT	Drop	EXC	FT	Drop	EXC	FT	Drop	EXC	FT	Drop	EXC	FT	Drop	EXC	FT	Drop	EXC		Cls	Cls
683	1057	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	7		
682	4219	-	-	-	-	-	2	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	6		
682	4258	-	-	-	-	-	2	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	2		
664	5309	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	11	-	-	4	5	2		
651	5183	-	-	-	-	-	-	-	-	1	7	-	-	-	-	-	-	-	-	-	-	-	-	1	4	-	-	4	5	2	
648	5378	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4	-	-	-	-	-	-	-	-	-	-	-	4	5	2	
647	5233	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	-	-	4	5	2	
646	5220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	5	-	-	4	5	2	
552	5313	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	4	2		
549	5443	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	4	2		
548	5362	1	17	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4	2		
548	3244	-	-	-	-	-	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3	2		
545	2848	2	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	4	2		
541	5239	1	1	1	-	-	-	-	-	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	5	2	
540	5180	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	4	2	
539	5427	1	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	4	2	
534	5275	-	-	-	-	-	-	-	-	2	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	2	
533	5212	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	4	5	2	
531	5089	5	9	5	-	-	2	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	14	-	-	3	5	2		
530	2061	-	-	-	-	-	6	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3	2		
529	5242	-	-	-	-	-	-	-	-	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	1	
528	5393	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	6	-	-	4	5	1		
520	4488	-	-	-	-	-	2	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3	1		
519	5360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	5	-	-	4	5	2		
518	5257	-	-	-	-	-	-	-	-	-	-	-	-	-	1	7	-	-	-	-	-	-	-	-	-	-	-	4	5	2	
516	5373	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	4	5	2	
515	5321	-	-	-	-	-	2	21	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	2	
512	7860	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	3	4	4		



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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	
		EXC	FT	Drop	EXC	FT	EXC	FT	Drop	EXC	FT	Drop	EXC	FT	Drop	EXC	FT	Drop	EXC	FT	Drop	EXC	FT	Drop	EXC	FT	Drop	EXC	Exc	Exc	
		13	54	7	-	-	17	155	-	8	38	-	-	-	-	5	15	-	-	-	-	-	-	-	-	-	8	49	-	-	

**Total Miles: 172.20**  
**Exceptions per 100 Miles: 29.62**  
**CY15 National Average Exceptions per 100 miles: 9.9**

GRMS Exception Report  
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 Milepost 683 to Milepost 510  
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MP	FT	Parameter	Value	Length	UGage	LGage	PLG	GW	Latitude	Longitude
680	1774	GWP Maint*	1.01	7	56.26	57.31	57.97	1.01	41.781619	-107.178968
678	2567	GWP Maint*	0.77	6	56.09	56.96	57.46	0.77	41.776934	-107.138029
677	1829	GWP Maint*	0.75	3	56.14	56.93	57.47	0.75	41.777381	-107.121785
670	1249	PLG24 Maint*	58.01	5	56.5	57.48	58.01	0.85	41.780466	-106.988323
635	1023	PLG24 Maint*	58.20	7	57.2	57.86	58.2	0.57	41.906327	-106.420159
635	1027	PLG24 Maint*	58.12	3	57.03	57.72	58.12	0.61	41.906326	-106.420145
614	2040	GWP Maint*	0.79	3	56.47	57.45	57.89	0.79	41.835949	-106.048738
602	2505	PLG24 Maint*	58.14	4	57.28	57.84	58.14	0.48	41.720396	-105.927046
602	3529	PLG24 Maint*	58.16	7	57.27	57.81	58.16	0.5	41.719604	-105.923474
568	945	GWP Maint*	0.88	5	56.31	57.32	57.88	0.88	41.335346	-105.597455
559	3460	PLG24 Maint*	58.14	4	56.94	57.72	58.14	0.67	41.208066	-105.548937
554	3973	PLG24 Maint*	58.37	10	56.98	57.85	58.37	0.79	41.147134	-105.513374
554	4202	PLG24 Maint*	58.05	3	57.02	57.68	58.05	0.58	41.146568	-105.513016
552	857	PLG24 Maint*	58.07	3	57.16	57.74	58.07	0.51	41.127182	-105.510304
552	1052	PLG24 Maint*	58.04	3	57.16	57.7	58.04	0.49	41.126654	-105.510188
552	1106	PLG24 Maint*	58.27	17	57.31	57.9	58.27	0.56	41.126510	-105.510146
552	1135	PLG24 Maint*	58.04	4	57.26	57.73	58.04	0.44	41.126433	-105.510121
552	1152	PLG24 Maint*	58.20	12	57.3	57.86	58.2	0.51	41.126388	-105.510106
552	1178	PLG24 Maint*	58.21	4	57.14	57.75	58.2	0.6	41.126318	-105.510082
552	1208	PLG24 Maint*	58.25	7	57.11	57.83	58.25	0.64	41.126239	-105.510053
552	1833	PLG24 Maint*	58.20	6	57.13	57.79	58.2	0.63	41.124674	-105.509150
552	2540	PLG24 Maint*	58.27	4	56.98	57.74	58.27	0.72	41.123202	-105.507498
552	2757	PLG24 Maint*	58.35	3	57.18	57.9	58.35	0.66	41.122835	-105.506879
552	3046	PLG24 Maint*	58.28	5	57.19	57.84	58.27	0.62	41.122419	-105.505989
552	3073	PLG24 Maint*	58.14	5	57.15	57.76	58.14	0.56	41.122385	-105.505902
552	4183	PLG24 Maint*	58.03	3	57.31	57.76	58.03	0.4	41.121127	-105.502240
552	4300	PLG24 Maint*	58.19	6	57.24	57.83	58.19	0.55	41.120982	-105.501861
552	5015	PLG24 Maint*	58.08	3	57.07	57.71	58.08	0.57	41.119859	-105.499746
552	5065	PLG24 Maint*	58.24	6	57.18	57.8	58.24	0.6	41.119766	-105.499613
552	5149	PLG24 Maint*	58.06	5	57.06	57.67	58.06	0.56	41.119606	-105.499395
551	336	PLG24 Maint*	58.05	3	57.11	57.69	58.05	0.52	41.118795	-105.498458
551	643	PLG24 Maint*	58.36	6	57.07	57.87	58.36	0.72	41.118099	-105.497833
551	1234	LG Safety*	58.02	10	57.37	58.02	58.49	0.65	41.116636	-105.496923
551	2885	PLG24 Maint*	58.09	7	57.1	57.74	58.09	0.59	41.112178	-105.496637
551	2905	PLG24 Maint*	58.06	4	57.05	57.66	58.06	0.57	41.112125	-105.496654
551	3009	PLG24 Maint*	58.10	6	57.14	57.72	58.1	0.54	41.111850	-105.496752
551	3260	PLG24 Maint*	58.16	7	57.12	57.72	58.16	0.59	41.111199	-105.497044
551	3289	PLG24 Maint*	58.28	8	57.0	57.85	58.28	0.72	41.111125	-105.497083
550	219	PLG24 Maint*	58.04	4	57.24	57.76	58.04	0.46	41.105659	-105.499960
550	859	PLG24 Maint*	58.06	3	56.98	57.66	58.05	0.6	41.103915	-105.499857
549	5224	PLG24 Maint*	58.07	3	57.06	57.69	58.07	0.57	41.080671	-105.483287
549	5275	PLG24 Maint*	58.26	11	57.34	57.87	58.26	0.52	41.080576	-105.483151
549	5318	PLG24 Maint*	58.08	4	57.19	57.72	58.08	0.5	41.080498	-105.483035
548	74	PLG24 Maint*	58.23	8	57.24	57.88	58.23	0.57	41.080293	-105.482700
548	208	PLG24 Maint*	58.03	5	57.13	57.7	58.03	0.51	41.080080	-105.482303
548	251	PLG24 Maint*	58.11	4	57.21	57.79	58.11	0.51	41.080017	-105.482172
548	534	PLG24 Maint*	58.16	5	57.26	57.81	58.16	0.51	41.079655	-105.481266
548	676	PLG24 Maint*	58.30	8	57.25	57.88	58.3	0.59	41.079512	-105.480788
548	781	LG Safety*	58.05	23	57.66	58.05	58.27	0.53	41.079424	-105.480425
548	818	PLG24 Maint*	58.00	3	57.26	57.74	58.0	0.42	41.079397	-105.480296
548	841	PLG24 Maint*	58.11	11	57.36	57.83	58.11	0.47	41.079381	-105.480215

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 MP 609 to Cheyenne, WY

MP	FT	Parameter	Value	Length	UGage	LGage	PLG	GW	Latitude	Longitude
548	4244	PLG24 Maint*	58.36	12	57.38	57.99	58.35	0.6	41.078055	-105.468026
548	4331	PLG24 Maint*	58.12	7	57.29	57.79	58.12	0.48	41.078065	-105.467711
548	4435	PLG24 Maint*	58.27	9	57.31	57.9	58.27	0.56	41.078088	-105.467335
548	4949	PLG24 Maint*	58.13	6	57.19	57.76	58.13	0.54	41.078409	-105.465528
545	2355	PLG24 Maint*	58.01	3	57.13	57.7	58.01	0.5	41.081305	-105.428831
545	2506	PLG24 Maint*	58.10	4	57.14	57.75	58.1	0.56	41.081283	-105.428285
545	2534	PLG24 Maint*	58.19	9	57.2	57.8	58.19	0.61	41.081283	-105.428183
545	2559	PLG24 Maint*	58.15	5	57.2	57.75	58.15	0.55	41.081284	-105.428093
545	2577	LG Safety*	58.04	15	57.39	58.03	58.45	0.62	41.081286	-105.428027
545	2611	PLG24 Maint*	58.15	16	57.3	57.8	58.15	0.48	41.081290	-105.427905
541	1114	PLG24 Maint*	58.16	8	57.37	57.84	58.16	0.44	41.097814	-105.357553
540	2499	PLG24 Maint*	58.01	3	57.22	57.76	58.01	0.44	41.106893	-105.346878
540	2594	PLG24 Maint*	58.09	4	57.17	57.76	58.09	0.51	41.107130	-105.347023
540	2828	PLG24 Maint*	58.07	3	57.22	57.75	58.07	0.47	41.107738	-105.347286
540	3041	PLG24 Maint*	58.02	3	57.08	57.67	58.02	0.53	41.108313	-105.347406
540	3142	PLG24 Maint*	58.04	3	57.26	57.74	58.04	0.44	41.108589	-105.347424
540	3257	PLG24 Maint*	58.02	4	57.24	57.74	58.02	0.44	41.108904	-105.347411
540	3300	PLG24 Maint*	58.22	6	57.27	57.8	58.22	0.54	41.109021	-105.347397
540	3375	PLG24 Maint*	58.32	8	57.24	57.91	58.32	0.63	41.109225	-105.347362
540	3416	PLG24 Maint*	58.33	10	57.31	57.92	58.33	0.6	41.109335	-105.347337
540	3433	PLG24 Maint*	58.06	3	57.27	57.75	58.06	0.44	41.109381	-105.347325
540	3453	PLG24 Maint*	58.22	6	57.28	57.85	58.22	0.53	41.109434	-105.347311
540	3458	PLG24 Maint*	58.01	3	57.28	57.74	58.01	0.41	41.109448	-105.347307
540	3472	PLG24 Maint*	58.09	6	57.35	57.8	58.09	0.45	41.109485	-105.347296
540	3499	PLG24 Maint*	58.15	15	57.44	57.87	58.15	0.48	41.109557	-105.347274
540	3522	PLG24 Maint*	58.24	13	57.47	57.9	58.24	0.51	41.109618	-105.347253
540	3534	PLG24 Maint*	58.26	11	57.38	57.88	58.26	0.53	41.109650	-105.347242
540	3549	PLG24 Maint*	58.02	3	57.28	57.74	58.02	0.41	41.109689	-105.347228
540	3704	PLG24 Maint*	58.16	7	57.29	57.8	58.16	0.5	41.110091	-105.347045
540	3731	PLG24 Maint*	58.11	11	57.37	57.83	58.11	0.43	41.110159	-105.347007
540	3808	PLG24 Maint*	58.12	8	57.21	57.77	58.12	0.52	41.110350	-105.346889
540	3837	PLG24 Maint*	58.23	9	57.28	57.87	58.23	0.54	41.110420	-105.346841
540	3862	PLG24 Maint*	58.01	3	57.3	57.72	58.01	0.4	41.110481	-105.346798
540	3887	PLG24 Maint*	58.07	9	57.22	57.76	58.07	0.5	41.110540	-105.346754
540	3971	PLG24 Maint*	58.08	3	57.35	57.78	58.08	0.41	41.110737	-105.346596
540	4111	PLG24 Maint*	58.10	4	57.29	57.8	58.1	0.46	41.111047	-105.346298
540	4118	PLG24 Maint*	58.06	5	57.26	57.76	58.06	0.45	41.111062	-105.346283
540	4151	PLG24 Maint*	58.02	4	57.19	57.71	58.02	0.48	41.111131	-105.346206
540	4171	PLG24 Maint*	58.04	3	57.24	57.74	58.04	0.45	41.111173	-105.346159
540	4244	PLG24 Maint*	58.09	4	57.26	57.76	58.09	0.47	41.111320	-105.345981
540	5278	GWP Maint*	0.79	6	56.52	57.48	57.92	0.79	41.113191	-105.343169
539	1596	PLG24 Maint*	58.19	8	57.37	57.86	58.19	0.46	41.116408	-105.338499
539	1716	PLG24 Maint*	58.33	9	57.5	58.01	58.33	0.48	41.116678	-105.338249
539	1830	PLG24 Maint*	58.06	6	57.24	57.75	58.06	0.47	41.116944	-105.338033
539	1990	PLG24 Maint*	58.10	9	57.29	57.81	58.1	0.46	41.117332	-105.337764
531	4578	PLG24 Maint*	58.13	10	57.36	57.82	58.13	0.45	41.102051	-105.190066
531	4592	PLG24 Maint*	58.05	3	57.24	57.75	58.05	0.45	41.102056	-105.190015
531	4634	PLG24 Maint*	58.27	11	57.4	57.96	58.27	0.49	41.102069	-105.189864
531	4649	PLG24 Maint*	58.05	3	57.37	57.78	58.05	0.38	41.102072	-105.189810
531	4744	PLG24 Maint*	58.18	22	57.45	57.88	58.18	0.43	41.102087	-105.189466
531	4759	PLG24 Maint*	58.11	6	57.28	57.79	58.11	0.48	41.102088	-105.189412

GRMS Exception Report  
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 Milepost 683 to Milepost 510  
 MP 609 to Cheyenne, WY

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MP	FT	Parameter	Value	Length	UGage	LGage	PLG	GW	Latitude	Longitude
531	4789	PLG24 Maint*	58.07	6	57.49	57.83	58.06	0.34	41.102088	-105.189304
531	4807	PLG24 Maint*	58.05	4	57.21	57.73	58.05	0.47	41.102087	-105.189239
531	4837	PLG24 Maint*	58.13	4	57.35	57.83	58.13	0.45	41.102085	-105.189130
531	4892	PLG24 Maint*	58.02	3	57.26	57.73	58.02	0.43	41.102077	-105.188932
531	4952	PLG24 Maint*	58.01	3	57.43	57.79	58.01	0.33	41.102061	-105.188715
531	5045	PLG24 Maint*	58.02	3	57.23	57.72	58.02	0.44	41.102024	-105.188382
528	4851	GWP Maint*	0.78	4	56.09	57.04	57.46	0.78	41.099661	-105.131885

<b>Maintenance:</b>	<b>646</b>	<b>Feet at</b>	<b>106</b>	<b>Locations</b>
<b>PLG24:</b>	<b>0</b>	<b>Feet at</b>	<b>0</b>	<b>Locations</b>
<b>Gage Widening (Safety):</b>	<b>0</b>	<b>Feet at</b>	<b>0</b>	<b>Locations</b>
<b>Gage (Safety):</b>	<b>48</b>	<b>Feet at</b>	<b>3</b>	<b>Locations</b>
<b>Total Exceptions:</b>	<b>694</b>	<b>Feet at</b>	<b>109</b>	<b>Locations</b>

Exception Report  
 Alignment 62 MCO Stations  
 Milepost 683 to Milepost 510  
 MP 609 to Cheyenne, WY

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MP	FT	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
624	3042	R Align 62	0.91	4	47	T	4	5	2	41.894165	-106.211348

	MP	FT	LAlign62	LAlignMCO	RAlign62	RAlignMCO	Curve	Xlevel	Gage
1	624	2980			-0.03	0.05	0.03	-0.39	56.67
2	624	2996			-0.02	0.04	0.04	-0.4	56.65
3	624	3011			-0.39	-0.4	0.04	-0.2	56.41
4	624	3027			0.11	0.09	0.03	0.04	56.65
5	624	3042			0.91	0.91	0.0	0.12	56.29
6	624	3057			-0.07	-0.05	-0.01	0.01	56.85
7	624	3073			-0.64	-0.63	-0.03	0.06	56.43
8	624	3088			-0.15	-0.08	-0.04	-0.03	56.55
9	624	3104			0.08	0.14	-0.06	0.0	56.72

**AVG** **0.01**

MP	FT	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
602	3073	R Align 62	0.75	4	49	C	4	5	2	41.719839	-105.925102

	MP	FT	LAlign62	LAlignMCO	RAlign62	RAlignMCO	Curve	Xlevel	Gage
1	602	3011			-0.13	-2.04	-1.95	-5.26	57.29
2	602	3027			-0.51	-2.37	-1.92	-5.08	57.23
3	602	3042			-0.56	-2.44	-1.87	-5.08	57.35
4	602	3058			0.22	-1.71	-1.83	-5.17	57.15
5	602	3073			0.75	-1.18	-1.81	-5.19	57.21
6	602	3088			0.37	-1.56	-1.8	-5.15	57.14
7	602	3104			-0.19	-2.11	-1.8	-5.18	57.4
8	602	3119			-0.13	-2.02	-1.83	-5.1	57.28
9	602	3135			-0.03	-1.93	-1.88	-5.05	57.22

**AVG** **-1.93**

MP	FT	Parameter	Value	Length	Speed	TSC	LC	PC	Track	Latitude	Longitude
583	4286	L Align 62	0.92	6	49	T	4	5	2	41.534287	-105.671664

	MP	FT	LAlign62	LAlignMCO	RAlign62	RAlignMCO	Curve	Xlevel	Gage
1	583	4224	-0.31	-0.1			0.09	-0.26	56.31
2	583	4240	-0.6	-0.41			0.09	-0.23	56.52
3	583	4255	-0.3	-0.2			0.09	-0.17	56.5
4	583	4271	0.87	0.89			0.08	-0.31	57.21
5	583	4286	0.92	0.91			0.04	-0.28	56.61
6	583	4301	0.0	0.03			0.0	-0.46	56.47
7	583	4317	-0.56	-0.48			0.0	-0.51	56.47
8	583	4332	-0.43	-0.37			-0.05	-0.42	56.39
9	583	4348	-0.13	-0.19			-0.08	-0.3	56.35

**AVG** **0.01**