

Union Pacific Railroad Post Derailment Track Geometry Measurements

Incident Date	Time	Train Symbol	Lead Unit No.	Nearest Station	Milepost	Subdivision	Actual Train Speed	Rail Weight	Rail Type cwr jointed	Date	Measurements taken by (Name and Title)						Comments	
											Travis Hatch & Russell Rohfs							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Station No.	Feet from POD	*Plus Feet To Joint (left rail)	*Plus Feet to Joint(right rail)	Alignment Midordinate at 62' Chord	Track Gage Measured at Station			Unloaded Crosslevel Measured at Station			Loaded Crosslevel Measured at Station			Loaded Profile		Calculated Loaded Warp 62'	Calculated Loaded 31' Twist (Spiral Only)	Comments
					*Joint (left rail)	*Joint (right rail)		*Joint (left rail)	*Joint (right rail)		*Joint (left rail)	*Joint (right rail)	left rail profile	right rail profile				
9.22.17	11:09 AM	Local	UPY2628	Arlington	0.7	Southwest	8.2	110	Joint	9/23/2017								
15	232.5			1/4	56	7/16		- 1/4			- 1/2					3/4	3/8	
14	217			0	56	3/8		- 3/4			- 3/4					1 5/8	3/4	
13	201.5	5.6		3/4	56	1/2	56 1/2	- 1/8	- 5/8		- 3/8	- 3/4				1 5/8	1 1/4	Heel of switch
12	186			1	56	3/16		1/8			0					1 1/4	7/8	
11	170.5		2.8	3/8	56	7/16	56 1/4	7/8	56 1/4	1/8	7/8		0			1 3/8	3/4	
10	155	12.9		1 3/8	56	9/16	56 7/16	1	1		3/4	1				1 3/8	1 1/4	Heel of frog
9	139.5			4 1/2	56	1/2		1/8			1/8					1 1/4	5/8	Square joints
8	124	7.75		7 1/8	56	1/2	56 5/16	- 1/2	- 1/2		- 1/2	- 1/2				5/8	3/8	
7	108.5		7.33	11 3/4	56	1/2	56 5/16	- 1/8		- 1/4	- 1/4	- 1/4				5/8	3/8	
6	93			14 1/2	56	1/2		0			- 1/8					3/8	1/4	
5	77.5			10 1/8	56	7/16		3/8			1/8					5/8	0	
4	62	15		2 1/2	56	7/16	56 1/2	5/8	1/2		1/8	1/8				1 1/4	3/8	
3	46.5			4	56	5/8		1/4			1/8					2 1/8	1 1/4	
2	31	13.4	13.4	10 1/8	56	13/16	56 1/2	- 1/2	56 1/2	1/2	1/2	1/2	1/2	1/2		2 1/8	2 1/8	Square Joints
1	15.5	12.58		14 3/4	57	5/8	57 13/16	- 1	-1		- 3/4	- 1 1/4				2 1/8	7/8	
POD	0			14 1/2	57	1/2		-1 3/8			-1 5/8					1	3/4	
1	15.5			9	57	1/8		-1 1/4			-1 1/2					2	7/8	
2	31	8.83		2 1/2	57	1/8	57 1/8	- 7/8	- 5/8		- 7/8	- 3/4				1 7/8	1 1/4	
3	46.5		8.25	0	57	1/16	57	- 1/2		-1 1/8	- 5/8	- 1 3/4				1 1/4	1	
4	62			0	57	1/8		3/8			3/8					1	1/2	
5	77.5	19"		0	56	3/8		1/8			- 1/8					1/2	0	