

ITEM NO. 4

Post Accident Track Geometry Measurements

Track measurement

Division Nebraska Line Creston Sta. O = MP 419.92 Date 3-18-2001

Train designation Amtrak #5 of 17m Engine 40 - Trailing Time 2:44 pm

Speed 52 Type of equipment first derailed Locomotive unit 141

Measurements taken by:

Name Cy Guza NTSB

Name Linda Bowen - IDOT

Name Thomas Brown - FRA

Name Joe Guzzi Amtrak

Name Dave Klovdal Amtrak

Title _____

T T Speed 79 FRA Track class 4 Allowable variance _____

Maximum variance found N/A Location/Station _____

Last track inspection:

Date 3/17/01 Inspector's name _____ Title _____

Curvature (degree/hand) Tangent Direction (N,S,E or W) W

minus (—) indicates south rail low

Show in remarks column opposite Joints, H or L, on curves, N or S, E or W on tangent to indicate rail.

Rail movement included

Station	Plus to Joints	Ord.	Gage	Elev. Light		Elev. Under Load		Remarks
				Station	Joint	Station	Joint	
W 4								Track destroyed
W 3								
W 2								
W 1								
P.O.D								
F 1								
F 2								
F 3								
F 4								
F 5								
F 6								Track destroyed North rail rolled; S rail kicked south
F 7								
F 8								North rail rolled
F 9								
F 10			57 1/8	10	13/16			rolled; back in place North disturbed North rail disturbed
F 11	+ 1/16		56 3/4	11	3/4			
F 12	- 1/4		56 7/8	12	11/16			
F 13	0		56 7/8	13	7/8			
F 14	- 1/8		56 7/8	14	3/4			
F 15	+ 1/16		56 5/8	15	5/8			
F 16	- 1/8		56 7/8	16	1/2			
F 17	0		56 3/4	17	9/16			
F 18	0		56 5/8	18	9/16			
F 19	- 3/8		56 15/16	19	1/2			
F 20	+ 1/4		56 1/2	20	1/2			
F 21	- 1/4		56 3/4	21	7/16			
F 22	0		56 3/4	22	7/16			
F 23	0		56 1/2	23	1/2			
F 24	- 1/8		56 3/4	24	5/8			
F 25	0		56 3/8	25	1/2			

Direction of traffic West bound