

# Federal Railroad Administration Office of Safety Headquarters Assigned Accident Investigation Report HQ-2009-16

Burlington Northern Santa Fe (BNSF) Reynolds, ND May 8, 2009

Note that 49 U.S.C. §20903 provides that no part of an accident or incident report made by the Secretary of Transportation/Federal Railroad Administration under 49 U.S.C. §20902 may be used in a civil action for damages resulting from a matter mentioned in the report.

FEDERAL RAILS					FRA FA	ACTUA	L RAI	ILRO	OAD A	CCID	ENT	REPOR	RT	]	FRA Fi	ile#	HQ-200	9-16	
1.Name of Railroad Operating Train #1									1a. Alphabetic Code					o. Railroad Accident/Incident No.					
BNSF Rwy Co. [BNSF]									BNSF					TC0509200					
2.Name of Railroad C N/A	perating	Train #2						2a. A	Alphabetic	Code N/A			2b. 1	<ul> <li>Railroad Accident/Incident No.</li> <li>N/A</li> </ul>					
3.Name of Railroad Operating Train #3 N/A								3a. Alphabetic Code N/A					3b.	o. Railroad Accident/Incident No. N/A					
4.Name of Railroad Responsible for Track Maintenance: BNSF Rwy Co. [BNSF]								4a. Alphabetic Code BNSF					4b.	Railroad A	cciden				
U.S. DOT_AAR Grade Crossing Identification Number												7.	. Time of Accident/Incident						
					086	5850D Month 0:			nth 05	05 Day 08 Year 2009			)9	10:15: <b>✓ AM</b>			/ AM	F	РМ
8. Type of Accident/In		1. Deraili			4. Side collision			7. Hwy-rail crossing 10. Explosion-de					/ 1 11 1				C	ode	
(single entry in cod	de box)	2. Head o			_	g collision			RR grade o	_	-			ture	narra			ı	07
9. Cars Carrying	9. Cars Carrying         10. HAZMAT Cars					Train col	llision Cars Rele		Obstruction	12. Other impacts			npacts		13. Div	isior	1		
HAZMAT O Damaged/Derailed N/A							ZMAT	asing			Evacuated Evacuated						r Γwin Citie	es	
14. Nearest City/Tow	n					15. Mile	•	mth)	16. State		te Abbi	r Code	17	7. County					
	R	eynolds						82			N/A	ND				ORKS			
18. Temperature (F)	,	19. Visib	ility Dawn	(single 3.Du	e entry) sk	Code	20. W	eather Clear			Sleet	Coc	le	21. Typ				(	Code
(specify if minus) 37	F		Day	4.Da		2					.Snow		2		ain 3. ard 4.				1
22. Track Name/Nu	mber					23. FRA					4. Annual Track Density			25. Time Table Directi				C	Code
		Sin	ngle Mai	in Track Class (1-9,			s (1-9, X					3.80	1. North 3. East 2. South 4. West 4				4		
							OPER	ATIN	NG TRA	IN #1									
26. Type of Equipme		Freight tra				Yard/swi	_	A. S	Spec. MoV	V Equip	o. Code		as Equip		Code	28.	Train Nun	nber/S	Symbol
Consist (single en		Passenger Commute		_	of cars 9.	Light loce Maint /in		r			1		1. Yes	1	2. No 1 LTWI806108			8	
29. Speed (recorded)					Method(s) o				code(s) t	hat ap	ply			31a. Remotely Controlled Locomotive?					
R - Recorded		,			ATCS	-	. Automa	atic bl	IOCK	•	ial instr			0 = Not a remotely controlled					
E - Estimated	45	MPH	Е	b. 4	Auto train c	ontrol h. Current of traffic n. Other than main track						1 = Remote control portable							
30. Trailing Tons (	gross to	onnage,			Auto train Cab	i. Time table/train orders o. Positive train control j.Track warrant control p. Other (Specify in narrative					rative)	2 = Remote control tower 3 = Remote control							
excluding powe	r units)				Traffic	k. Direct traffic control Code(s)					transmitter - more than one								
		2773		f. I	nterlocking	1.	Yard lim	nits		g	j [	N/A N/A	N/A	remote	control	trans	mitter		0
32. Principal Car/Unit	t	a. Initial a	and Nun	ıber	b. Positio	n in Train	c. L	Loadeo	d(yes/no)	33. If	railroac	d employe	e(s) test	ed for drug	/alcoho	ol use	÷,		
(1) First involved		BN	SF2844		1	1		N/	/A	1				e positive i	n	F	Alcohol	D	rugs
(derailed, struck, e						•						opriate bo					N/A		N/A
(2) Causing (if med cause reported)	chanical )		0			0		N/	J/A 34. Was this consist transpo										N
35. Locomotive Unit	ts	a. Head End	h. Manı	Mid Tr	ain c. Remote		ar End   c. Ren	1 50. Cars				a.		b. Pass.	c. Fre	Em <sub>l</sub>   ight	oty d. Pass.	e. Ca	aboose
(1) Total in Train	n	2	0		0	0	0		(1) Total	in Equi	pment C	Consist	23	0	(	)	0		0
(2) Total Deraile	d	0	0		0	0	0		(2) Total	Deraile	d		0	0	(	)	0		0
37. Equipment Dama	ige		38	. Traci	k, Signal, V	Vav,			39. Prima	rv Cans	se.			40 Cont	ributine	r Car	100		
This Consist		\$3,020.00			ture Damag	•	\$0.00	Code   M308					40. Contributing Cause Code N/A						
			of Crev			-						Le	ngth of	of Time on Duty					
41. Engineer/ Operators 1	42. Fire	42. Firemen 43. Conductors				44. Bra	ıkemen		45. Engineer/Operator					46. Conductor				15	
-		0 1				1	l		Hrs 3 Mi 45				45	Hrs 3 Mi 45					
Casualties to:	47. Railr	ilroad Employees 48. Train Passenger				s 49. C	Other		50. EOT Device?					51. Was EOT Device Properly Armed?					
Fatal		0 0					0	-	1. Yes 2. No 1				l	1. Yes 2. No 1					
Nonfatal	0 0				0			_ 52. Caboose Occupied by Crew? 1. Yes 2. No				2							
						OI	PERAT	ING	TRAIN	#2									
53. Type of Equipme	111	Freight tra		. Worl		Yard/swit	-	A. S	Spec. MoV	V Equip	. Code		ıs Equip	ment C	ode	55.	Гrain Nun	nber/S	ymbol
Consist (single en	uy	Passenger Commuter		_		Light loco				Attended?				27//			Ά		
56 Speed /		Commuter			of cars 9.  Method(s) of	Maint./ins	•		code(=)	hat	N/A	1	. Yes	2.110	N/A	onter	olled Loco		
56. Speed (recorded) R - Recorded	speed, if	available)	Code		Method(s) o ATCS	•	on ( <i>e</i> . Automa		code(s) t lock	-	<i>ply)</i> ial instr	uctions		0 = Not a	-			шопу	۱0:
E - Estimated	0	MPH	N/A		Auto train c	_				-		nain track		1 = Rem					

Form FRA F 6180.39 (11/2006) Page 1 of 7

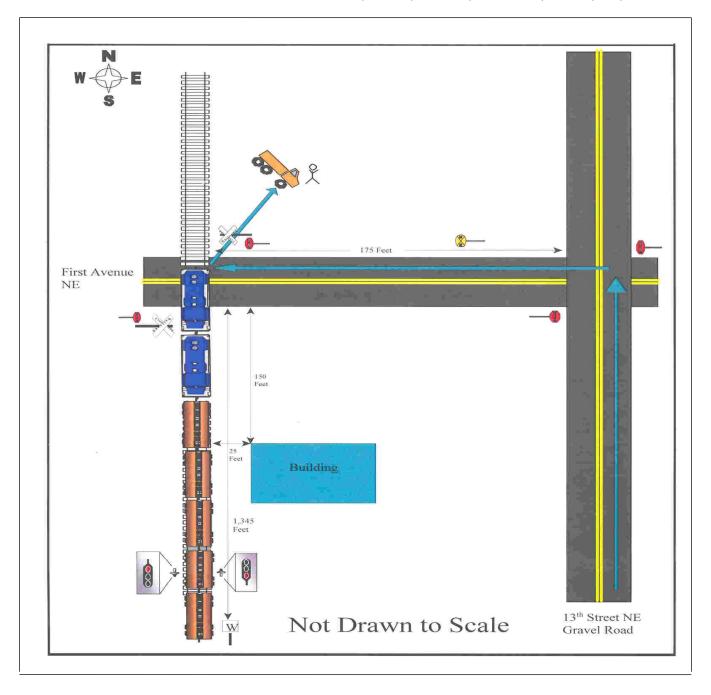
FEDERAL RAILR					FRAFA	<b>ACTUAL</b>	RAILR	OAD AC	CIDENT REP	ORT	F	RA File #	HQ-200	<u>9-16</u>	
excluding power units)  d.  N/A					Auto train Cab Traffic Interlocking	j.T k. l	Γime table/tr rack warran Direct traffic ard limits	nt control p	o. Positive train control. Other (Specify in Code(s)  N/A N/A N/A N/A	2 = Remote control tower 3 = Remote control transmitter - more than one remote control transmitter					
59. Principal Car/Uni	t	a. Initial	and N	Vumber	b. Posit	ion in Train	c. Load	led(yes/no)	60. If railroad emp	oloyee(s) tes	ted for dru	g/alcohol u	ise,	1	
(1) First involved (derailed, struck, o	etc)		0			0		N/A	enter the numb		r that were positive in			Drugs N/A	
(2) Causing (if med		!	0			0	1	N/A	61. Was this cons	ist transport	ting passengers? (Y/N)				
62. Locomotive Unit	is	a. Head End	b. M	Mid T			Rear End . Manual   c. Remote			Lo a. Freight	aded b. Pass.	1		e. Caboose	
(1) Total in Train		0		0	0	0	0	(1) Total in	Equipment Consist	0	0	0	0	0	
(2) Total Derailed		0		0	0	0	0	(2) Total D	erailed	0	0	0	0		
64. Equipment Dama	ige			65. Tra	ck, Signal,	Way,		66. Primar	y Cause		67. Contr	ibuting Ca	use		
This Consist		\$0.00			tructure Dar		\$0.00	Code		N/A	C- 1-			N/A	
		Number	r of C	rew Mei						Length of		=			
68. Engineer/	69. Fire	men		70. Co	onductors	71. Bral		_	eer/Operator		73. Con			Mi .	
Operators 0		0			0		0		Hrs 0 M	ii 0		Hrs	0	Mi 0	
Casualties to:	74. Railre	oad Emplo	yees	75. Trai	in Passenge	rs 76. Othe	er	77. EOT Device?			78. Was	EOT Devic	e Properly	Armed?	
Fatal		0			0		0	1. Y	es 2. No	N/A	1.	1. Yes		N/A	
			$\dashv$						se Occupied by Crev	w?	•				
Nonfatal		0			0		0		1. Yes	2. No		N/A			
						01	PERATIN	G TRAIN	#3						
80. Type of Equipmer Consist (single end	try) 2. I	Freight trai Passenger Commuter	train train	5. Sing 6. Cut	gle car 8. of cars 9.	Yard/switch Light loco( Maint./insp of Operation	s). pect.car	Spec. MoW Equip. Code   81. Was Equipment   Code   Attended?   N/A   1. Yes   2. No   N/A   N/A   r code(s) that apply)   85a. Remotely Controlled Locomotive?							
R - Recorded E - Estimated N/A MPH 0  84. Trailing Tons (gross tonnage, excluding power units)					ATCS Auto train Auto train Cab Traffic Interlocking	control h. on stop i. T	Automatic b Current of tr Fime table/tr rack warran Direct traffic rard limits	raffic n. rain orders o	o. Other than main tra o. Positive train contra o. Other (Specify in Code(s)	ock ol narrative)	0 = Not a remotely controlled 1 = Remote control portable 2 = Remote control tower 3 = Remote control transmitter - more than one remote control transmitter   N/A				
86. Principal Car/Uni		a. Initial	and N			ion in Train		I-dz 7)	<u>                                     </u>		1.0 1	11 1 1 -1		1	
(1) First involved	ι	a. Illitiai	and IN	vuilibei	D. POSILI	on in Train	C. Load	led(yes/no)	87. If railroad empl enter the numb	•				Drugs	
(derailed, struck, e	etc)		0			0	1	N/A	the appropriate		N/A			N/A	
(2) Causing (if med	chanical	!	0			0	1	N/A	88. Was this cons	ist transport	ting passengers? (Y/N) N/A				
89. Locomotive Unit		a. Head End	b. M	Mid T	rain c. Remote	Rea d. Manual	r End	90. Cars	l	Lo a. Freight	aded b. Pass.	Enr c. Freight	npty   d. Pass.	e. Caboose	
(1) Total in Train	1	0	-	0	0	0	0	(1) Total in	Equipment Consist	0	0	0	0	0	
(2) Total Deraile	d	0		0	0	0	0	(2) Total D	erailed	0	0	0	0	0	
91. Equipment Damage This Consist \$0.00 & Structure Damage  Number of Crew Members							\$0.00	93. Primary	93. Primary Cause Code 94. Contributing Cause Code					N/A	
Of E-simons/	Oc Dire		rorc		Conductors	98. Bral	roman	00 Engine	nor/Operator	Lengui oi	Time on Duty				
95. Engineer/ Operators 0	96. Fire	0		91.0	0	50. Dia	0	99. Engineer/Operator Hrs 0 Mi 0 Hrs 0						Mi 0	
Casualties to:	101. Rail	lroad Empl	loyees	s 102. 7	Train	103. Otl	ner	104. EOT			105. Was EOT Device Properly				
Fatal		0	0 0				0	1. Y	es 2. No ose Occupied by Cro	N/A ew?	1. Yes 2. No N/A				
Nonfatal 0 0 0							0		1. Yes	2. No				N/A	
		Highwa	ay Us	ser Invo	olved				Rail	Equipmen	t Involved	l			
107. C. Truck-Trailer. F. Bus J. Other Motor Vehicle A. Auto D. Pick-Up Truck G. School Bus K. Pedestrian								111. Equipment 3. Train (standing) 6. Light Loco(s) (moving) 1. Train(units pulling) 4. Car(s) (moving) 7. Light(s) (standing)							
B. Truck E. Van H. Motorcycle M. Other (spec. in narrative)							2.Train(units pushing) 5.Car(s) (standing) 8.Other (specify in narrative)								
108. Vehicle Speed		10	109.	uth 2 Cc	geographi		Code I 4	112. Positio	on of Car Unit in		1				

Form FRA F 6180.39 (11/2006) Page 2 of 7

	ENT OF TRA RAILROAD AI			HRAE	ACTU	AL RAILR	OAD AC	CIDE	NT R	EPORT	F	RA File # <u>HQ-2009-</u>	<u>16</u>	
110. Position						Code	113. Circu	mstance					Code	
1.Stalled o 4. Trapped	on Crossing 2.St	opped o	n Crossing	3.Moving Ov	er Crossin	ng 3				Highway User by Highway Use	er		1	
114a. Was the	e highway user a	nd/or ra	il equipmer	t involved		Code	114b W:	as there a	a hazaro	lous materials rele	ease		Code	
in the impact transporting hazardous materials?											1 .			
1. Highway User 2. Rail Equipment 3. Both 4. Neither 4 1. Highway User 2. Rail Equipment 3. Both 4. Neither											4			
114c. State he	ere the name and	quantit	y of the haz	ardous materia	als release	d, if any. N/A								
115. Type	115. Type 1.Gates 4.Wig Wags 7.Crossbucks 10.Flagged by crew 116. Signaled Crossing Code 117. Whistle Ban										117. Whistle Ban	Code		
Crossing 2.Cantilever FLS 5.Hwy. traffic signals 8.Stop signs 11.Other (spec. in narr.) (See instructions for codes) 1. Yes Warning 3.Standard FLS 6.Audible 9.Watchman 12.None 2. No														
Code(s)	07	08	N/A	N/A	N/A	N/A	N/A				3. Unknown	2		
118. Location of Warning Code 119. Crossing Warning Code 120. Crossing Illuminated by Street with Highway Signals Lights or Special Lights										Code				
2. Side of	ch				1. Yes	1. Yes								
3. Opposite Side of Vehicle Approach						2. No 3. Unknown		ı	N/A 2. No 3. Unknown				2	
121.	122. Driver's C	Gender	Code 12	3. Driver Drov		Code								
Age	1. Male					ick by Second				around or thru the ed and then Procee		1. Stopped on Crossing		
45	2. Female		2	1. Yes	2. No	3. Unknowr	1 1 1					narrative)	3	
125. Driver Pa		Cod	e 126. Vi	ew of Track C	bscured b	y (primary ob	struction)	·					Code	
Highway Vehicle 1. Permanent Structure 3. Passing Train 5. Vegetation								on	7. Other (s	pecify in n	arrative)	1		
1. Yes 2. No	3. Unknown	2	2.	Standing Rails	oad Equip	oment 4. Topo	graphy 6.	Highway	Vehic	le 8. Not obstru	cted		1	
Casualties	to:		Killed	Injured	127. Dr				Code	128. Was D	river in th		Code	
Casualties to.					1	ed 2.Injured 3.		1		1. Ye	-	2. No	1	
129. Highway-Rail Crossing Users 1 0					1	ghway Vehicle t. dollar damag		Property Damage 5000 131. Total Number of Highway-Rail Cross (include driver) 1						
132. Locomot	ive Auxiliary Li	ghts?				Code	133. Locoi	notive A	uxiliar	y Lights Operation	nal?		Code	
1. Y	es	2. 1	No			1	1. Yes 2. No						1	
134. Locomotive Headlight Illuminated? Code 135. Locomotive Audible Warning Sounded?											Code			
1. Y	es	2. ]	No			1	1.	Yes		2. No			1	

Form FRA F 6180.39 (11/2006) Page 3 of 7

136. DRAW A SKETCH OF ACCIDENT AREA INCLUDING ALL TRACKS, SIGNALS, SWITCHES, STRUCTURES, OBJECTS, ETC., INVOLVED.



Form FRA F 6180.39 (11/2006) Page 4 of 7

### 137. SYNOPSIS OF THE ACCIDENT

Northbound Burlington Northern Santa Fe (BNSF) Freight Train LTW18061-08 collided with a westbound empty grain truck at the First Avenue, NE highway-rail grade crossing, on May 8, 2009, at 10:15 a.m. C.D.T. The accident occurred at Milepost 81.99 on the BNSF Twin Cities Division, Hillsboro Subdivision about one mile north of Reynolds, North Dakota. The train struck the truck at the driver's side door, pushing the truck into the ditch northeast of the crossing. The collision fatally injured the driver and destroyed the truck. The train crew was not injured. The lead locomotive sustained minor damage totaling approximately \$3,020.49. No equipment derailed.

The First Avenue, NE grade crossing has a passive warning system consisting of advance warning signs, stop signs and crossbucks directing vehicular traffic.

At the time of the accident it was daylight and cloudy, with a north wind of 13 mph. The temperature was 37 degrees F.

The accident was caused by failure of the motor vehicle driver to stop at the roadway stop sign and yield to the approaching train.

The North Dakota State Patrol did not issue a citation, however North Dakota Century Code 39-10-42 indicates all vehicles must stop at certain railroad grade crossings. The department of transportation and local authorities, with respect to highways under their respective jurisdiction, are hereby authorized to designate particularly dangerous highway grade crossings of railroads and to erect stop signs. When such stop signs are erected, the driver of any vehicle shall stop within fifty feet [15.24 meters] but not less than fifteen feet [4.57 meters] from the nearest rail of such railroad and shall proceed only upon exercising due care.

# 138. NARRATIVE

## CIRCUMSTANCES PRIOR TO THE ACCIDENT

Following a required statutory off duty rest period, the train crew consisting of an engineer, conductor and brakeman went on duty at Grand Forks, North Dakota, at 6:30 a.m. C.D.T. on May 8, 2009. The crew was assigned to operate BNSF Train LTWI8061-08 from Grand Forks en route to Hillsboro, North Dakota, a distance of approximately 37 miles. The Twin Cities Division Timetable No. 3, dated October 24, 2007, specifies 50 mph as the maximum authorized speed for freight trains. BNSF System Special Instructions for Special Instructions No. 16 specifies all trains over 100 tons per operative brake are restricted to 45 mph. This train was restricted to 45 mph per this instruction. The assigned freight train consisted of two locomotives and 12 empty freight cars. The train was 797 feet long and weighed 654 tons.

BNSF Train LTWI8061-08 departed Grand Forks after receiving a class one air brake test, obtaining a track warrant giving them authority to occupy the Main Track on the Hillsboro Subdivision, and completing a job briefing between all crew members. They proceeded eastbound with locomotive BNSF 2733 in the lead position. The crew was to switch cars at Taft, North Dakota, and the Radco Industry north of Hillsboro.

The railroad timetable direction of the train is eastbound. The geographical direction is south. Timetable directions for train movements are used throughout this report.

After performing station switching at several locations en route to Hillsboro, the crew reversed direction and headed back westward to Grand Forks. Departing Hillsboro the train consisted of two locomotives and 23 loaded rail cars. The BNSF 2844 locomotive was in the lead position on the return trip.

As the westbound train approached the accident area, the locomotive engineer was seated at the controls on the east side of the leading locomotive. The conductor and brakeman were seated on the west side of the leading locomotive. The brakeman was in the front seat and the conductor was in the rear seat.

Approaching the First Avenue, NE crossing (DOT #086 850 D), BNSF operates on a single main track that

Form FRA F 6180.39 (11/2006) Page 5 of 5

runs geographically north and south. Approaching the accident scene from the east traversing west there is 0.12-degree grade on the east side of the crossing. On the west side of the crossing there is a 0.19-degree grade. From the accident scene to the east the track is tangent for 2,600 feet, and to the west it is tangent for several miles. The track speed at this location is designated 70 mph for passenger trains and 50 mph for freight trains. The sign for sounding the train horn (whistle post) is 1,345 feet in advance of the edge of the road crossing. First Avenue, NE is a two-lane undivided gravel road running east and west. It crosses the BNSF tracks at about a 90-degree angle.

## THE ACCIDENT:

## BNSF TRAIN LTWI8061-08:

BNSF Train LTWI8061-08 was being operated at about 45 mph approaching the accident area one mile north of Reynolds, North Dakota. The train crew's view approaching the First Avenue, NE crossing was obstructed by a building in the southeast quadrant of the crossing. The engineer was sounding the locomotive horn in approach to the crossing when he observed a white truck approaching from the east. He estimated the truck's speed to be approximately 10 mph. The truck did not appear to be stopping at the crossing for the train. The engineer stood up and shouted "truck" to the rest of the crew while sounding the horn and initiating an emergency train air brake application. He continued to sound the horn until dropping to the floor of the locomotive just prior to impact. The conductor and brakeman also braced for the impending collision.

After colliding with the truck, the engineer set the locomotive brakes and dialed 911 on the company radio. He told the train dispatcher that he had struck a truck and to send an ambulance. The train stopped about 2,300 feet beyond the crossing. The locomotive engineer initially stayed at the controls of the locomotive. The conductor and brakeman hurried back to the truck in an effort to lend assistance if possible. They found the driver on the ground outside the vehicle. They checked the driver for a pulse, but could not detect one. They notified the locomotive engineer that the driver of the vehicle was unresponsive. The locomotive engineer left the locomotive and hurried to the victim to perform CPR. CPR was continued until emergency service personnel arrived. CPR was performed by the emergency service personnel until the victim was pronounced dead at the scene.

The train crew was not injured, but was relieved from duty and transported back to Grand Forks.

# VEHICLE:

The empty tandem grain truck was traveling east to west on First Avenue, NE, about one mile north of Reynolds. According to the locomotive engineer, the vehicle was traveling about 10 mph. The engineer said that the vehicle did not stop at the roadway stop sign displayed at the crossing.

The train struck the driver's side door of the vehicle. The vehicle was pushed into the ditch northeast of the grade crossing. The vehicle came to rest on the driver's side in the northeast ditch of the grade crossing and the driver of the vehicle was ejected from the vehicle.

## ANALYSIS:

The vehicle was traveling west on First Avenue, NE one mile north of Reynolds. It was struck at the driver's side door by the freight train. The collision pushed the vehicle into the ditch northeast of the crossing. The collision killed the driver and destroyed the vehicle. The train crew was not injured.

The driver of the vehicle was a 45 year old female from rural Reynolds. She was pronounced dead at the scene.

First Avenue, NE is a gravel road. The highway-rail at the grade crossing has a passive warning system. The system includes stop signs and cross bucks for each direction of traffic. There are advance warning signs along the roadway in approach to the crossing. There are no pavement markings in approach to the crossing. The stop sign is 13 feet from the edge of the road, and six feet eleven inches above the crown of the road. The cross buck sign is 10 feet eight inches from the edge of the road, and eight feet seven inches above the crown of the road. Both signs are un-obstructed and clearly visible approaching the crossing. This

Form FRA F 6180.39 (11/2006) Page 6 of 7

FRA File # HQ-2009-16

area is under the maintenance jurisdiction of the Grand Forks County Highway Department. Until stopped at the crossing, as required by the stop sign, vision of an approaching northbound train is obstructed by a building 150 feet southeast of the crossing.

The leading locomotive was equipped with a headlight, auxiliary lights, and an audible warning device required by Federal Regulations. The locomotive engineer tested these devices in Grand Forks prior to departing, and again at Hillsboro. The locomotive is also equipped with a speed indicator and event recorder as required. The relevant event recorder data was downloaded at the accident scene.

The railroad has a whistle sign in place 1,345 feet in advance of the crossing. All three crew members stated the locomotive engineer began sounding the locomotive horn when the train neared this sign.

The North Dakota State Patrol issued no citations; however the North Dakota State Patrol accident report stated that the driver failed to yield the right-of-way to the oncoming freight train. He also reported that vision of the approaching train was obstructed by a building in the southeast guadrant of the grade crossing.

At the time of the accident it was daylight and cloudy, with a north wind of 13 mph. The temperature was 37 degrees F.

# **CONCLUSION:**

While the train approached the First Avenue, NE grade crossing, the locomotive horn was sounding before striking the vehicle. The railroad crew was in full compliance with all applicable railroad rules and Federal Regulations. Since the vehicle driver was killed in the collision, the train crew members were the only witnesses to the collision. They had no information that could be used to determine why the vehicle failed to stop.

The North Dakota State Patrol accident report stated that the driver failed to yield to the oncoming train. The driver did not adhere to North Dakota driving statutes.

The train crew was not toxicological tested.

Fatigue was not a probable cause for the train crew.

# PROBABLE CAUSE AND CONTRIBUTING FACTORS:

The probable cause of the accident was M308 "Highway user deliberately disregarded crossing warning devices."

Form FRA F 6180.39 (11/2006) Page 7 of 7