

INSPECTION REPORT

Inspector's Name Mapes, Shane		Inspector's Signature SHANE ANTHONY MAPES <small>Digitally signed by SHANE ANTHONY MAPES Date: 2022.02.09 18:52:31 -0700'</small>			Inspector's ID No 56000	Report No 21	Date yy mm dd 2022 02 09							
Railroad/Company Name & Address BNSF RAILWAY COMPANY E 44th Ave Denver CO 80216				R/C R	Division POWDER	RR/Co Representative (Receipt Acknowledged) Name Michael Glidden Title Roadmaster Email [REDACTED] Signature _____								
From: City DENVER	Codes 0600	Destination City & County			Codes	From Latitude								
State CO	08	City DENVER			0600	From Longitude								
County DENVER	C031	County DENVER			C031	To Latitude								
Mile Post: From 0541.00 To 0540.00		Inspection Point WALKING INSPECTION BNSF RIP TRACKS				To Longitude								
Activity Code:	YTW	TOY	RWLN	2180										
Units:	1	2	1	1										
Sub Units:	0	0	6	1										
Item	Initials/Milepost	Equipment/Track #	Type/Kind	49 CFR/ USC	Defect	Subrule	Speed	Class	Train #/Site	SNFR*	RCL**	# of Occ ***	Activity Code	
1										N	N	0		
Description - [** Comment to Railroad/Company **] On 2/9/2022 I conducted a walking inspection in conjunction with a fatality investigation that occurred at the BNSF Globeville Yard at MP 540.9 on the 0119 Lead. BNSF 1961 Locomotive and cars were on the immediate area of the accident, which prevented a detailed inspection of an intact track structure in the area of concern. A detailed inspection will take place once the unit and cars are removed from tracks.														
Seal Applied		Seal Removed			Hazard Class			UN/NA ID						
Violation Recommended <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Latitude:				Longitude:					
Written Notification to FRA of Remedial Action is: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Optional					Railroad Action Code			Date(mm/dd/yyyy):		Comments on back?				
Item	Initials/Milepost	Equipment/Track #	Type/Kind	49 CFR/ USC	Defect	Subrule	Speed	Class	Train #/Site	SNFR*	RCL**	# of Occ ***	Activity Code	
2				218	0103	B8				N	N	1	2180	
Description HAND-OPERATED SWITCHES, INCLUDING CROSSOVER SWITCHES: FAILURE TO ENSURE A SWITCH IS LOCKED, HOOKED, OR LATCHED WHEN NOT IN USE. - BNSF 31st Yard, West 0116 Switch equipped with hook and left out of latch.														
Seal Applied		Seal Removed			Hazard Class			UN/NA ID						
Violation Recommended <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Latitude:				Longitude:					
Written Notification to FRA of Remedial Action is: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Optional					Railroad Action Code			Date(mm/dd/yyyy):		Comments on back?				

INSPECTION REPORT

(Continuation)

Inspector's ID No 56000	Report No 21	Report Date 2/9/2022
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Item	Initials/Milepost	Equipment/Track #	Type/Kind	49 CFR/ USC	Defect	Subrule	Speed	Class	Train #/Site	SNFR*	RCL**	# of Occ ***	Activity Code
3	0540.88	0119	T	213	0133	A10	10	1		N	N	1	TOY

Description
 BROKEN SWITCH PLATES. - BNSF 31st Yard, West 0116 Switch, Broken ARB Brace ahead of points on right rail.

Seal Applied	Seal Removed	Hazard Class	UN/NA ID
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Violation Recommended <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Latitude:	Longitude:
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Written Notification to FRA of Remedial Action is: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Optional	Railroad Action Code	<input type="text"/>	<input type="text"/>	<input type="text"/>	Date(mm/dd/yyyy):	<input type="text"/>	Comments on back?
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INSPECTION REPORT

Inspector's Name Mapes, Shane		Inspector's Signature SHANE ANTHONY MAPES <small>Digitally signed by SHANE ANTHONY MAPES Date: 2022.02.11 11:44:32 -07'00'</small>			Inspector's ID No 56000	Report No 22	Date yy mm dd 2022 02 10						
Railroad/Company Name & Address BNSF RAILWAY COMPANY E 44th Ave Denver CO 80216				R/C R	Division POWDER	RR/Co Representative (Receipt Acknowledged) Name Michael Glidden Title Roadmaster Email XXXXXXXXXX Signature _____							
From: City DENVER	Codes 0600	Destination City & County			Codes	From Latitude							
State CO	08	City DENVER			0600	From Longitude							
County DENVER	C031	County DENVER			C031	To Latitude							
Mile Post: From 0541.00 To 0540.00		Inspection Point WALKING INSPECTION				To Longitude							
Activity Code:	YTW	TOY	RWLN	2180									
Units:	1	3	1	1									
Sub Units:	0	0	4	2									
Item	Initials/Milepost	Equipment/Track #	Type/Kind	49 CFR/USC	Defect	Subrule	Speed	Class	Train #/Site	SNFR*	RCL**	# of Occ ***	Activity Code
1										N	N	0	
Description - [** Comment to Railroad/Company **] On 2/10/2022 I conducted a walking inspection in conjunction with a fatality investigation that occurred at the BNSF Globeville Yard at MP 540.9 on the 0119 Teen Lead. Detailed track measurements were conducted with 15.5 feet stations, 10 stations behind final resting place of the locomotive and 2 stations ahead of final resting place of locomotives with the following observations: <ul style="list-style-type: none"> - Highest Warp measurement is 1 - 9/16 inches - Highest X Level measurement is 1 - 11/16 inches - Highest Profile measurement is 1 - 3/4 inches Humped - Highest Gage measurement is 57 - 5/8 inches 													
Seal Applied			Seal Removed			Hazard Class			UN/NA ID				
Violation Recommended				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Latitude:			Longitude:				
Written Notification to FRA of Remedial Action is:				<input type="checkbox"/> Required <input checked="" type="checkbox"/> Optional		Railroad Action Code		Date(mm/dd/yyyy):		Comments on back?			

INSPECTION REPORT

(Continuation)

Inspector's ID No 56000	Report No 22	Report Date 2/10/2022
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Item	Initials/Milepost	Equipment/Track #	Type/Kind	49 CFR/ USC	Defect	Subrule	Speed	Class	Train #/Site	SNFR*	RCL**	# of Occ ***	Activity Code
2										N	N	0	

Description - [** Comment to Railroad/Company **]
The following item numbers are track defects taken in the geometry stations from Line item 1:

Seal Applied	Seal Removed	Hazard Class	UN/NA ID
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Violation Recommended <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Latitude:	Longitude:
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Written Notification to FRA of Remedial Action is: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Optional	Railroad Action Code	Date(mm/dd/yyyy):	Comments on back?
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Item	Initials/Milepost	Equipment/Track #	Type/Kind	49 CFR/ USC	Defect	Subrule	Speed	Class	Train #/Site	SNFR*	RCL**	# of Occ ***	Activity Code
3				218	0103	B8				N	N	2	218O

Description
HAND-OPERATED SWITCHES, INCLUDING CROSSOVER SWITCHES: FAILURE TO ENSURE A SWITCH IS LOCKED, HOOKED, OR LATCHED WHEN NOT IN USE. - BNSF Globeville Yard, Teen Lead, MP 540.9, switches 15, 16, and 17, are equipped with hooks and not placed in latches.

Seal Applied	Seal Removed	Hazard Class	UN/NA ID
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Violation Recommended <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Latitude:	Longitude:
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Written Notification to FRA of Remedial Action is: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Optional	Railroad Action Code	Date(mm/dd/yyyy):	Comments on back?
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Item	Initials/Milepost	Equipment/Track #	Type/Kind	49 CFR/ USC	Defect	Subrule	Speed	Class	Train #/Site	SNFR*	RCL**	# of Occ ***	Activity Code
4	0540.89	119	Y	213	0103	B	10	1		N	N	1	YTW

Description
BALLAST FAILING TO RESTRAIN THE TRACK Laterally, Longitudinally, OR VERTICALLY. - BNSF Globeville Yard, Teen Lead, right rail joint ahead of the No. 16 switch, 12 ties of ballast allowing 1-11/16 inches of max crosslevel with evidence of entrapped water present.

Seal Applied	Seal Removed	Hazard Class	UN/NA ID
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Violation Recommended <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Latitude:	Longitude:
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Written Notification to FRA of Remedial Action is: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Optional	Railroad Action Code	Date(mm/dd/yyyy):	Comments on back?
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Item	Initials/Milepost	Equipment/Track #	Type/Kind	49 CFR/ USC	Defect	Subrule	Speed	Class	Train #/Site	SNFR*	RCL**	# of Occ ***	Activity Code
5	0540.89	119	T	213	0135	B1	10	1		N	N	1	TOY

Description
IMPROPER FIT BETWEEN SWITCH POINT AND STOCK RAIL. - BNSF Globeville Yard, Teen Lead, No. 16 Switch, right rail point measures 1/8 inch gap.

Seal Applied	Seal Removed	Hazard Class	UN/NA ID
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Violation Recommended <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Latitude:	Longitude:
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Written Notification to FRA of Remedial Action is: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Optional	Railroad Action Code	Date(mm/dd/yyyy):	Comments on back?
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INSPECTION REPORT

(Continuation)

Inspector's ID No 56000	Report No 22	Report Date 2/10/2022
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Item	Initials/Milepost	Equipment/Track #	Type/Kind	49 CFR/ USC	Defect	Subrule	Speed	Class	Train #/Site	SNFR*	RCL**	# of Occ ***	Activity Code
6	0540.88	116	T	213	0127	A3	10	1		N	N	1	TOY

Description
INSUFFICIENT FASTENERS TO EFFECTIVELY MAINTAIN GAGE AT A RAIL JOINT. - Globeville Yard, Teen Lead, No. 16 switch, right closure rail joint between frog and heel, fasteners allowing 57-5/8 gage condition.

Seal Applied	Seal Removed	Hazard Class	UN/NA ID
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Violation Recommended <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Latitude:	Longitude:
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Written Notification to FRA of Remedial Action is: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Optional	Railroad Action Code	Date(mm/dd/yyyy):	Comments on back?
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Item	Initials/Milepost	Equipment/Track #	Type/Kind	49 CFR/ USC	Defect	Subrule	Speed	Class	Train #/Site	SNFR*	RCL**	# of Occ ***	Activity Code
7										N	N	0	

Description - [** Comment to Railroad/Company **]
The Globeville Yard at the Teen Lead between Switch Numbers 15 and 16 is made up of jointed 112 pound rail dated 1945. Anchor pattern is every tie and missing anchors intermittently. Tie plates are double shouldered with standard BNSF spiking pattern with cut style 6 inch spikes. Plates are worn with spikes intermittently high. Crossties are a mix of hard and soft wooden switch ties. Tie condition is marginal. Ballast condition is made of 3/4 inch yard ballast. Sub-grade is soft with one defective ballast condition noted at a joint ahead of No. 16 switch. Switches in the area of concern are No. 9 turnouts, with hand throw (Racor 22P) Switch Stands, 16 foot 6 inch standard switch points and self guarded frogs.

Seal Applied	Seal Removed	Hazard Class	UN/NA ID
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Violation Recommended <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Latitude:	Longitude:
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Written Notification to FRA of Remedial Action is: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Optional	Railroad Action Code	Date(mm/dd/yyyy):	Comments on back?
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