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ARIZONA CORPORATION COMMISSION
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1 FENNEMORE CRAIG, P.C.
2 A Professional Corporation
3 Patrick J. Black (No. 017141)
4 3003 North Central Avenue, Suite 2090
Phoenix, Arizona 85012
Telephone (602) 916-5000

5 Attorneys for BNSF Railway Company

6
7 **BEFORE THE ARIZONA CORPORATION COMMISSION**

8 IN THE MATTER OF THE
9 APPLICATION OF THE CITY OF
10 FLAGSTAFF TO UPGRADE EXISTING
11 RAILROAD CROSSING OF THE BNSF
12 RAILWAY COMPANY AT STEVES
BOULEVARD AND FANNING DRIVE
IN THE CITY OF FLAGSTAFF,
COCONINO COUNTY, ARIZONA DOT
CROSSING NOS. 025099J and 025129Y

DOCKET NO. RR-02635B-09-0075

**BNSF RAILWAY COMPANY'S
NOTICE OF FILING LATE-FILED
EXHIBITS**

13
14 BNSF Railway Company, Inc. ("BNSF") hereby files this Notice of Filing Late-
15 filed Exhibits. Pursuant to the July 9, 2009 Procedural Order in the above-captioned
16 matter, BNSF is to provide an assessment of the accuracy of all the items of data included
17 in the U.S. DOT Crossing Inventories for the public highway-rail grade crossings at
18 Beaver Street, San Francisco Street, Enterprise Avenue, Steves Boulevard and Fanning
19 Drive located in Flagstaff, Arizona. During the July 8, 2009 hearing, Applicant's witness
20 Randy Whitaker testified that the Arizona Department of Transportation ("ADOT") is
21 responsible for providing the Federal Railroad Administration ("FRA") updated
22 information for use with the FRA's crossing inventory database. On July 15, 2009,
23 undersigned counsel for BNSF received an electronic mail from Applicant's counsel
24 forwarding ADOT's response to some of the questions posed during the hearing. A copy
25 of the electronic mail is attached hereto as Exhibit 1.

26 It appears from the electronic mail from Robert Travis of ADOT to Randy

1 Whitaker dated July 13, 2009, that ADOT and the FRA had been incorrectly noting that a
2 one-way street with gates and/or medians with gates was equivalent to a four quadrant
3 gate system. Mr. Travis then indicated that the FRA is currently revising inventory sheets
4 (for public crossings) to directly state what type of safety protections are included at the
5 public highway-rail grade crossing, but that it will take approximately 2-3 months for the
6 updates to take effect on the FRA's quiet zone risk calculator.

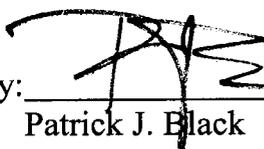
7 Attached hereto as Exhibit 2 are the U.S. DOT Crossing Inventory forms for all
8 five public highway-rail grade crossings at issue, dated July 29, 2009. Part III [Traffic
9 Control Device Information] of each Crossing Inventory form lists the safety devices
10 located at that particular crossing. The Beaver Street, San Francisco Street and Enterprise
11 Road crossings are all listed as containing "4 Quad or Full Barrier" train activated
12 devices. However, based on information provided by ADOT and verified by BNSF, the
13 Beaver Street and San Francisco Street crossings include one-way streets with gates
14 and/or medians. In contrast, the Enterprise Road crossing includes full gates blocking the
15 flow of traffic in either direction; in other words, a Full Barrier. Based on discussions
16 between BNSF and FRA personnel, the FRA is still trying to determine whether a one-
17 way street with gates constitutes a "Full Barrier" that would qualify for purposes of the
18 Quiet Zone Risk Index calculator. Therefore, it would be premature to conclude that the
19 attached Crossing Inventories are inaccurate. BNSF suggests that any averments as to the
20 accuracy of the information and data used for the Quiet Zone Risk Index calculator should
21 come directly from the FRA.

22 However, the accuracy over whether a 4-quad gate or full barrier system exists at
23 Beaver Street and San Francisco Street is not relevant in this case. The Quiet Zone Risk
24 Index calculation performed by the Applicant and contained in its March 13, 2008 Notice
25 of Intent, as well as the calculations performed by BNSF on July 24, 2009, and attached
26 hereto as Exhibit 3, used the data input "Gates" rather than "4-Quad or Full Barrier." As

1 shown in all the Crossing Inventories contained in Exhibit 2, each public highway-rail
2 grade crossing within the proposed quiet zone employ train activated gates. Under each
3 scenario presented by BNSF (calculation using only 3 crossings versus all 5 crossings),
4 the Quiet Zone Risk Index number falls below the Risk Index with Horns threshold,
5 meaning that a quiet zone can be established consistent with federal rules and regulations.

6 RESPECTFULLY SUBMITTED this 29th day of July, 2009.

7 FENNEMORE CRAIG, P.C

8
9
10 By: 
11 Patrick J. Black
12 Attorneys for BNSF Railway Company, Inc.

13 **Original and 13 copies filed**
14 this 29th day of July, 2009 with:

15 Docket Control
16 Arizona Corporation Commission
17 1200 West Washington Street
18 Phoenix, Arizona 85007

19 **Copy sent via hand-delivery**
20 this 29th day of July, 2009 to:

21 Sarah N. Harpring, ALJ
22 Hearing Division
23 Arizona Corporation Commission
24 1200 West Washington Street
25 Phoenix, Arizona 85007

26 Charles Hains
Legal Division
Arizona Corporation Commission
1200 West Washington Street
Phoenix, Arizona 85007

1 Brian Lehman, Chief
2 Railroad Safety Section
3 Arizona Corporation Commission
4 1200 West Washington Street
5 Phoenix, Arizona 85007

6 **Copy sent via mail**
7 this 29th day of July, 2009 to:

8 David A. Womochil
9 Flagstaff City Attorney's Office
10 211 West Aspen Avenue
11 Flagstaff, AZ 86001

12 Randy Whitaker, Senior Project Manager
13 Traffic Engineering
14 City Of Flagstaff
15 City Hall
16 211 West Aspen Avenue
17 Flagstaff, AZ 86001

18 Robert Travis, PE, State Railroad Liaison
19 Utilities & Railroad Engineering Section
20 Arizona Department of Transportation
21 205 South 1 7th Avenue, Mail Drop 61 8E
22 Phoenix, AZ 85007

23 Traffic Records Section
24 Arizona Department of Transportation
25 206 South 17th Avenue, Mail Drop 064R
26 Phoenix, AZ 85007

27 Walter F. Robertson
28 1690 N. Falcon Rd.
29 Flagstaff, AZ 86004

30 By: 
31 2221363.1/83510.428

Exhibit 1

BLACK, PATRICK

From: David Womochil [DWomochil@flagstaffaz.gov]
Sent: Wednesday, July 15, 2009 1:58 PM
To: BLACK, PATRICK
Subject: FW: Flagstaff Arizona, Quiet Zone
Attachments: Quiet zone inventory instructions.pdf

Patrick,

FYI, here is some information from ADOT concerning railroad inventory sheets and related issues. As you will see, ACC staff was copied on this e-mail as well. Also, I met with City staff this morning and one of the issues we discussed was whether it might be helpful for the City, BNSF and ACC staff to touch base, perhaps by teleconference, on some of the items requested by the ALJ last week. Any thoughts?

- David

From: Randy Whitaker
Sent: Wednesday, July 15, 2009 12:43 PM
To: David Womochil
Cc: Rick Barrett; Mark Landsiedel; Daryl Melvin
Subject: FW: Flagstaff Arizona, Quiet Zone

As Promised
FYI

From: Robert AH Travis II [mailto:RTravis@azdot.gov]
Sent: Monday, July 13, 2009 11:39 AM
To: Randy Whitaker
Cc: 'Chris Watson'; 'Brian Lehman'
Subject: RE: Flagstaff Arizona, Quiet Zone

Good day Randy,

Per our phone conversation, here are the answers to your questions:

1. In the past, ADOT and others interpreted that a one way street with gates and/or medians with gates were equivalent to a 4 quadrant gate system/ barrier gates. Per my discussion with the FRA Highway rail crossing safety Engineer, Tom Woll, this is incorrect and is a common misconception around the country. For example, they gave me a list of 25 crossings from Arizona that were incorrectly shown being 4 quadrant/barrier, when in effect, most of them were one way streets or 2 way street with medians and gates. I have been instructed to note a 1 way street/ median with gates as NOT being 4 quad, and in the narrative section, say what is happening.
2. FRA is revising their inventory sheets (last version is from 1999) so that the inventory will directly state if the crossing is protected by 4 quad gates, 2 quad, medians / one way street with gates, etc.
3. Railroad inventory sheets can be updated by the State DOT (in the case of Arizona, that is myself) or by the Railroad only. Local governments can provide the information to ADOT or

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the RR, we must agree to it and we will then forward the info to the FRA for inclusion into the nationwide database. This information update takes about 2-3 months. After that time, the FRA calculators will also be updated.

4. Inventory updates are made whenever there is a change to the info at the crossing. Most of the updates are done by the railroad. Per the 2008 Rail Safety Act, I will need to update all of the public road and pedestrian crossing inventory information statewide. I have 2 target dates with all crossing information updated by October 2010.
5. Accident information is shown on the FRA database. This information comes from reports submitted by the railroad and/or State. I have not dealt with this information, but I believe it captures nature of the accident (ped vs. vehicle) and severity of damage/ injury

Enclosed is a new FRA guidance on local governments doing crossing inventory updates. Lets talk about it later in the week and get a plan together on how to do the update and get the information to the people who need it.

Thanks

Robert Travis, PE
State Railroad Liaison
Arizona Department of Transportation
205 S 17th Ave, Room 357
MD 618E
Phoenix, AZ 85007
602-712-6193 602-712-3229 fax
rtravis@azdot.gov

From: Randy Whitaker [mailto:RWhitaker@flagstaffaz.gov]
Sent: Monday, July 13, 2009 8:52 AM
To: Robert AH Travis II
Subject: RE: Flagstaff Arizona, Quiet Zone

Robert

First, let me say these are questions that the judicial judge had at the ACC hearing. Unfortunately after the fact I remembered a conversation with the design engineer several years ago and I think I know the answer but:

On the inventory sheets for Beaver and San Francisco, under the Traffic Control Device Information section, it indicates "4 Quad or Full Barrier"- Yes.

These are one way street so gates on one side would be a full Barrier?
Is there any where on the form that would indicate one way sheets.

I noted that at Beaver San Francisco and Enterprise that the Date of record is 08/17/06. At Fanning and Steves the Date of Record is 08/01/07. Is there notes on who gave the update information. I think Barry Gondron (Gannett Fleming, Design Engineer) was involved in the 2006 update?

How is the determination made to update the records?
Is ADOT the only agency that has access to update the records?

When you create a new quiet zone on the FRA quiet zone calculator it pulls information directly from this data base? It seems to.

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The inventory form does not have any accident information on it. Do you know where accident information is compiled and how it is feed into the FRA quiet zone calculator?
Does it contain pedestrian accident information?

Talk to you later, thanks
Randy

From: Robert AH Travis II [mailto:RTravis@azdot.gov]
Sent: Thursday, July 09, 2009 5:40 PM
To: Randy Whitaker
Subject: RE: Flagstaff Arizona, Quiet Zone

Sorry about that. I will give you a call on Monday. What would be a good time?

Also, do you have a general question about crossing inventories? Or specific about the Flagstaff quiet zone crossings?

Robert Travis, PE
State Railroad Liaison
Arizona Department of Transportation
205 S 17th Ave, Room 357
MD 618E
Phoenix, AZ 85007
602-712-6193 602-712-3229 fax
rtravis@azdot.gov

From: Randy Whitaker [mailto:RWhitaker@flagstaffAZ.gov]
Sent: Thursday, July 09, 2009 10:24 AM
To: Robert AH Travis II
Subject: RE: Flagstaff Arizona, Quiet Zone

Works for me I am here now 10:24

From: Robert AH Travis II [mailto:RTravis@azdot.gov]
Sent: Thursday, July 09, 2009 9:30 AM
To: Randy Whitaker
Cc: 'Thomas, Melvin V'; 'Brian Lehman'; Rick Barrett; Daryl Melvin; David Womochil; 'Chris Watson'
Subject: RE: Flagstaff Arizona, Quiet Zone

I'll give you a call later this am or this afternoon if that works..

Robert Travis, PE
State Railroad Liaison
Arizona Department of Transportation
205 S 17th Ave, Room 357
MD 618E
Phoenix, AZ 85007
602-712-6193 602-712-3229 fax
rtravis@azdot.gov

7/29/2009

From: Randy Whitaker [mailto:RWhitaker@flagstaffaz.gov]
Sent: Thursday, July 09, 2009 9:00 AM
To: Robert AH Travis II
Cc: 'Thomas, Melvin V'; 'Brian Lehman'; Rick Barrett; Daryl Melvin; David Womochil; 'Chris Watson'
Subject: RE: Flagstaff Arizona, Quiet Zone

Robert,
Thanks for letting me know you received the Emails.
We had a judicial hearing with the ACC yesterday and there was some questions regarding the information on the inventory forms. It would be greatly appreciated if I could get your help clarifying a few items. Talk to you first of near week?
Thank You
Randy
928-226-4844

From: Robert AH Travis II [mailto:RTravis@azdot.gov]
Sent: Monday, July 06, 2009 10:46 AM
To: Randy Whitaker; 'Chris Watson'; 'terry.brooks@bnsf.com'; Debbie Jo Maust; 'ralbritton@railroadcontrols.com'; 'Jim Hall'
Cc: 'Thomas, Melvin V'; 'Brian Lehman'; Rick Barrett; Daryl Melvin; David Womochil; 'steelmh@Amtrak.com'; 'wfrobertson@msn.com'
Subject: RE: Flagstaff Arizona, Quiet Zone

I have received all 3 emails. I also received the procedural order and the City of Flagstaff reply to ACC request for additional details.

I will continue to monitor this project, as I will need to re-inventory the modified crossings once the improvements are completed.

Robert Travis, PE
State Railroad Liaison
Arizona Department of Transportation
205 S 17th Ave, Room 357
MD 618E
Phoenix, AZ 85007
602-712-6193 602-712-3229 fax
rtravis@azdot.gov

From: Randy Whitaker [mailto:RWhitaker@flagstaffaz.gov]
Sent: Monday, July 06, 2009 10:13 AM
To: 'Chris Watson'; 'terry.brooks@bnsf.com'; Debbie Jo Maust; 'ralbritton@railroadcontrols.com'; 'Jim Hall'
Cc: 'Thomas, Melvin V'; 'Brian Lehman'; Rick Barrett; Daryl Melvin; David Womochil; 'steelmh@Amtrak.com'; 'wfrobertson@msn.com'; Robert AH Travis II

7/29/2009

Subject: RE: Flagstaff Arizona, Quiet Zone

Diagnostic Team or Current Contact,
FYI

Hopefully this size of attachment goes thru OK?

Working with BNSF signal personal there has been some field modifications to the 60% drawings that were sent out with the quiet zone Notice of Intent.

The field modifications are sign and wayside horns locations.

Please note there are no changes to the type of safety measures to create the quiet zone.

I will follow up with a cover letter and 11x 17 hard copy to the appropriate agencies.

If you have any questions or concerns please contact me at
928-226-4844 or by Email

Thank You,
Randy Whitaker
Senior Project Manager
City of Flagstaff

P.S. Part 2 of 2

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2009

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Exhibit 2

**U.S. DOT - CROSSING INVENTORY INFORMATION
AS OF 7/29/2009**

Crossing No.: **025131A** Update Reason: **Changed Crossing** Effective Begin-Date of Record: **08/17/06**
 Railroad: **BNSF BNSF Rwy Co. [BNSF]** End-Date of Record:
 Initiating Agency **Railroad** Type and Position: **Public At Grade**

Part I Location and Classification of Crossing

Division:	SOUTHWEST	State:	AZ
Subdivision:	SELIGMAN	County:	COCONINO
Branch or Line Name:	E WINSL-NEEDLES	City:	In FLAGSTAFF
Railroad Milepost:	0342.93	Street or Road Name:	ENTERPRISE RD.
RailRoad I.D. No.:	7200	Highway Type & No.:	FAU9012
Nearest RR Timetable Strn:	FLAGSTAFF	HSR Corridor ID:	
Parent Railroad:		County Map Ref. No.:	41
Crossing Owner:		Latitude:	35.1947847
ENS Sign Installed:		Longitude:	-111.6281883
Passenger Service:	AMTRAK	Lat/Long Source:	Actual
Avg Passenger Train Count:	2	Quiet Zone:	No
Adjacent Crossing with Separate Number:			

Private Crossing Information:

Category:		Public Access:	Unknown
	Specify Signs:		Specify Signals:
	ST/RR A	ST/RR B	ST/RR C
			ST/RR D

Railroad Use:

State Use:

Narrative:

Emergency Contact: **(800)832-5452** Railroad Contact: **(913)551-4540** State Contact:

Part II Railroad Information

Number of Daily Train Movements:		Less Than One Movement Per Day:	No
Total Trains:	97	Total Switching:	4
Typical Speed Range Over Crossing: From	1 to 55 mph	Day Thru:	47
Type and Number of Tracks:	Main: 2 Other: 2	Maximum Time Table Speed:	55
		Specify:	SIDING-SPU
Does Another RR Operate a Separate Track at Crossing?			No
Does Another RR Operate Over Your Track at Crossing?			Yes: ATK

U.S. DOT - CROSSING INVENTORY INFORMATION

Crossing **025131A**

Continued

Effective Begin-Date of Record: **08/17/06**

End-Date of Record:

Part III: Traffic Control Device Information

Signs:

Crossbucks:	6	Highway Stop Signs:	0
Advanced Warning:	Yes	Hump Crossing Sign:	
Pavement Markings:	Stop Lines and RR Xing Symbols	Other Signs:	1 Specify: DIRECTIONA
			2 W/O 2

Train Activated Devices:

Gates:	4	4 Quad or Full Barrier:	Yes
Mast Mounted FL:	9	Total Number FL Pairs:	16
Cantilevered FL (Over):	2	Cantilevered FL (Not over):	0
Other Flashing Lights:	0	Specify Other Flashing Lights:	
Highway Traffic Signals:	0	Wigwags:	0 Bells: 2
Other Train Activated Warning Devices:		Special Warning Devices Not Train Activated:	
Channelization:		Type of Train Detection:	DC/AFO
Track Equipped with Train Signals?	Yes	Traffic Light Interconnection/Preemption:	Advance Preemption

Part IV: Physical Characteristics

Type of Development:	Industrial	Smallest Crossing Angle:	60 to 90 Degrees
Number of Traffic Lanes Crossing Railroad:	5	Are Truck Pullout Lanes Present?	No
Is Highway Paved?	Yes	If Other:	
Crossing Surface:	Concrete	Is it Signalized?	Yes
Nearby Intersecting Highway?	76 to 200 feet	Is Crossing Illuminated?	
Does Track Run Down a Street?	No		
Is Commercial Power	Yes		

Part V: Highway Information

Highway System:	Other FA Highway - Not NHS	Functional Classification of Road at Crossing:	Urban Minor Arterial
Is Crossing on State Highway System:	No	AADT Year:	2003
Annual Average Daily Traffic (AADT):	020836	Avg. No of School Buses per Day:	0
Estimated Percent Trucks:	38		
Posted Highway Speed:	0		

**U.S. DOT - CROSSING INVENTORY INFORMATION
AS OF 7/29/2009**

Crossing No.: **025132G** Update Reason: **Changed Crossing** Effective Begin-Date of Record: **08/17/06**
 Railroad: **BNSF BNSF Rwy Co. [BNSF]** End-Date of Record:
 Initiating Agency **Railroad** Type and Position: **Public At Grade**

Part I Location and Classification of Crossing

Division:	SOUTHWEST	State:	AZ
Subdivision:	SELIGMAN	County:	COCONINO
Branch or Line Name:	E WINSL-NEEDLES	City:	In FLAGSTAFF
Railroad Milepost:	0344.16	Street or Road Name:	SAN FRANCISCO ST
RailRoad I.D. No.:	7200	Highway Type & No.:	
Nearest RR Timetable Str:	FLAGSTAFF	HSR Corridor ID:	
Parent Railroad:		County Map Ref. No.:	35A
Crossing Owner:		Latitude:	35.1968505
ENS Sign Installed:		Longitude:	-111.6482409
Passenger Service:	AMTRAK	Lat/Long Source:	Actual
Avg Passenger Train Count:	2	Quiet Zone:	No
Adjacent Crossing with Separate Number:			

Private Crossing Information:

Category:	Public Access:	Unknown	
Specify Signs:	Specify Signals:		
ST/RR A	ST/RR B	ST/RR C	ST/RR D

Railroad Use:

State Use:

Narrative:

Emergency Contact: **(800)832-5452** Railroad Contact: **(913)551-4540** State Contact:

Part II Railroad Information

Number of Daily Train Movements:	Less Than One Movement Per Day:	No
Total Trains: 93 Total Switching: 0	Day Thru:	47
Typical Speed Range Over Crossing: From 1 to 45 mph	Maximum Time Table Speed:	45
Type and Number of Tracks: Main: 2 Other: 1	Specify:	SIDING
Does Another RR Operate a Separate Track at Crossing?		No
Does Another RR Operate Over Your Track at Crossing?		Yes: ATK

U.S. DOT - CROSSING INVENTORY INFORMATION

Crossing **025132G**

Continued

Effective Begin-Date of Record: **08/17/06**

End-Date of Record:

Part III: Traffic Control Device Information

Signs:

Crossbucks:	4	Highway Stop Signs:	0
Advanced Warning:	Yes	Hump Crossing Sign:	No
Pavement Markings:	Stop Lines and RR Xing Symbols	Other Signs:	2
			0
		Specify:	DIRECTINAL

Train Activated Devices:

Gates:	2	4 Quad or Full Barrier:	Yes
Mast Mounted FL:	6	Total Number FL Pairs:	9
Cantilevered FL (Over):	1	Cantilevered FL (Not over):	0
Other Flashing Lights:	0	Specify Other Flashing Lights:	
Highway Traffic Signals:	0	Wigwags:	0
Other Train Activated Warning Devices:		Bells:	4
Channelization:		Special Warning Devices Not Train Activated:	
Track Equipped with Train Signals?	Yes	Type of Train Detection:	Constant Warning Time
		Traffic Light Interconnection/Preemption:	Advance Preemption

Part IV: Physical Characteristics

Type of Development:	Commercial	Smallest Crossing Angle:	60 to 90 Degrees
Number of Traffic Lanes Crossing Railroad:	3	Are Truck Pullout Lanes Present?	No
Is Highway Paved?	Yes	If Other:	
Crossing Surface:	Concrete	Is it Signalized?	Yes
Nearby Intersecting Highway?	76 to 200 feet	Is Crossing Illuminated?	No
Does Track Run Down a Street?	No		
Is Commercial Power	Yes		

Part V: Highway Information

Highway System:	Other FA Highway - Not NHS	Functional Classification of Road at Crossing:	Urban Collector
Is Crossing on State Highway System:	No	AADT Year:	2003
Annual Average Daily Traffic (AADT):	007978	Avg. No of School Buses per Day:	0
Estimated Percent Trucks:			
Posted Highway Speed:	0		

**U.S. DOT - CROSSING INVENTORY INFORMATION
AS OF 7/29/2009**

Crossing No.: **025133N** Update Reason: **Changed Crossing** Effective Begin-Date of Record: **08/17/06**
 Railroad: **BNSF BNSF Rwy Co. [BNSF]** End-Date of Record:
 Initiating Agency **Railroad** Type and Position: **Public At Grade**

Part I Location and Classification of Crossing

Division:	SOUTHWEST	State:	AZ
Subdivision:	SELIGMAN	County:	COCONINO
Branch or Line Name:	E WINSL-NEEDLES	City:	In FLAGSTAFF
Railroad Milepost:	0344.29	Street or Road Name:	BEAVER ST
RailRoad I.D. No.:	7200	Highway Type & No.:	FAU9023
Nearest RR Timetable Stn:	FLAGSTAFF	HSR Corridor ID:	
Parent Railroad:		County Map Ref. No.:	41
Crossing Owner:		Latitude:	35.1975351
ENS Sign Installed:		Longitude:	-111.6504212
Passenger Service:	AMTRAK	Lat/Long Source:	Actual
Avg Passenger Train Count:	2	Quiet Zone:	No
Adjacent Crossing with Separate Number:			

Private Crossing Information:

Category:		Public Access:	Unknown
	Specify Signs:		Specify Signals:
	ST/RR A	ST/RR B	ST/RR C
			ST/RR D

Railroad Use:

State Use:

Narrative:

Emergency Contact: **(800)832-5452** Railroad Contact: **(913)551-4540** State Contact:

Part II Railroad Information

Number of Daily Train Movements:		Less Than One Movement Per Day:	No
Total Trains:	93	Total Switching:	0
Typical Speed Range Over Crossing: From	1 to 45 mph	Day Thru:	47
Type and Number of Tracks:	Main: 2 Other 0	Maximum Time Table Speed:	45
		Specify:	
Does Another RR Operate a Separate Track at Crossing?			No
Does Another RR Operate Over Your Track at Crossing?			Yes: ATK

U.S. DOT - CROSSING INVENTORY INFORMATION

Crossing **025133N**

Continued

Effective Begin-Date of Record: **08/17/06**

End-Date of Record:

Part III: Traffic Control Device Information

Signs:

Crossbucks:	4	Highway Stop Signs:	0
Advanced Warning:	Yes	Hump Crossing Sign:	No
Pavement Markings:	Stop Lines and RR Xing Symbols	Other Signs: 2	Specify: 3 TRACKS
		2	OTHRSTPSGN

Train Activated Devices:

Gates:	2	4 Quad or Full Barrier:	Yes
Mast Mounted FL:	4	Total Number FL Pairs:	9
Cantilevered FL (Over):	2	Cantilevered FL (Not over):	0
Other Flashing Lights:	0	Specify Other Flashing Lights:	
Highway Traffic Signals:	0	Wigwags: 0	Bells: 4
Other Train Activated Warning Devices:		Special Warning Devices Not Train Activated:	
Channelization:		Type of Train Detection:	Constant Warning Time
Track Equipped with Train Signals?	Yes	Traffic Light Interconnection/Preemption:	Advance Preemption

Part IV: Physical Characteristics

Type of Development:	Commercial	Smallest Crossing Angle:	60 to 90 Degrees
Number of Traffic Lanes Crossing Railroad:	2	Are Truck Pullout Lanes Present?	No
Is Highway Paved?	Yes	If Other:	
Crossing Surface:	Concrete	Is it Signalized?	Yes
Nearby Intersecting Highway?	Less than 75 feet	Is Crossing Illuminated?	No
Does Track Run Down a Street?	No		
Is Commercial Power	Yes		

Part V: Highway Information

Highway System:	Other FA Highway - Not NHS	Functional Classification of Road at Crossing:	Urban Collector
Is Crossing on State Highway System:	No	AADT Year:	2003
Annual Average Daily Traffic (AADT):	007642	Avg. No of School Buses per Day:	0
Estimated Percent Trucks:	40		
Posted Highway Speed:	0		

**U.S. DOT - CROSSING INVENTORY INFORMATION
AS OF 7/29/2009**

Crossing No.: **025099J** Update Reason: **Changed Crossing** Effective Begin-Date of Record: **08/01/07**
 Railroad: **BNSF BNSF Rwy Co. [BNSF]** End-Date of Record:
 Initiating Agency **Railroad** Type and Position: **Public At Grade**

Part I Location and Classification of Crossing

Division:	SOUTHWEST	State:	AZ
Subdivision:	SELIGMAN	County:	COCONINO
Branch or Line Name:	E WINSL-NEEDLES	City:	In FLAGSTAFF
Railroad Milepost:	0341.19	Street or Road Name:	STEVES BLVD.
RailRoad I.D. No.:	7200	Highway Type & No.:	
Nearest RR Timetable Stn:	FLAGSTAFF	HSR Corridor ID:	
Parent Railroad:		County Map Ref. No.:	S40
Crossing Owner:		Latitude:	35.2102941
ENS Sign Installed:		Longitude:	-111.6048873
Passenger Service:	AMTRAK	Lat/Long Source:	Actual
Avg Passenger Train Count:	2	Quiet Zone:	No
Adjacent Crossing with Separate Number:			

Private Crossing Information:

Category:		Public Access:	Unknown
	Specify Signs:		Specify Signals:
	ST/RR A	ST/RR B	ST/RR C
			ST/RR D
Railroad Use:			
State Use:			
Narrative:			

Emergency Contact: **(800)832-5452** Railroad Contact: **(913)551-4540** State Contact:

Part II Railroad Information

Number of Daily Train Movements:		Less Than One Movement Per Day:	No
Total Trains:	93	Total Switching:	0
Typical Speed Range Over Crossing: From	1 to 55 mph	Day Thru:	47
Type and Number of Tracks: Main:	2	Maximum Time Table Speed:	55
	Other 0	Specify:	
Does Another RR Operate a Separate Track at Crossing?			No
Does Another RR Operate Over Your Track at Crossing?			Yes: ATK

U.S. DOT - CROSSING INVENTORY INFORMATION

Crossing **025099J**

Continued

Effective Begin-Date of Record: **08/01/07**

End-Date of Record:

Part III: Traffic Control Device Information

Signs:

Crossbucks:	2	Highway Stop Signs:	0		
Advanced Warning:	Yes	Hump Crossing Sign:	No		
Pavement Markings:	RR Xing Symbols	Other Signs:	1	Specify:	W/O 2
			1		DIRECTIONA

Train Activated Devices:

Gates:	2	4 Quad or Full Barrier:	No		
Mast Mounted FL:	2	Total Number FL Pairs:	8		
Cantilevered FL (Over):	2	Cantilevered FL (Not over):	0		
Other Flashing Lights:	0	Specify Other Flashing Lights:			
Highway Traffic Signals:	0	Wigwags:	0	Bells:	2
Other Train Activated Warning Devices:		Special Warning Devices Not Train Activated:			
Channelization:		Type of Train Detection:			DC/AFO
Track Equipped with Train Signals?	Yes	Traffic Light Interconnection/Preemption:			Simultaneous Preemption

Part IV: Physical Characteristics

Type of Development:	Commercial	Smallest Crossing Angle:	60 to 90 Degrees		
Number of Traffic Lanes Crossing Railroad:	4	Are Truck Pullout Lanes Present?	No		
Is Highway Paved?	Yes	If Other:			
Crossing Surface:	Concrete	Is it Signalized?	Yes		
Nearby Intersecting Highway?	76 to 200 feet	Is Crossing Illuminated?	No		
Does Track Run Down a Street?	No				
Is Commercial Power	Yes				

Part V: Highway Information

Highway System:	Other FA Highway - Not NHS	Functional Classification of Road at Crossing:	Urban Collector		
Is Crossing on State Highway System:	No	AADT Year:	2002		
Annual Average Daily Traffic (AADT):	011028	Avg. No of School Buses per Day:	0		
Estimated Percent Trucks:	05				
Posted Highway Speed:	0				

**U.S. DOT - CROSSING INVENTORY INFORMATION
AS OF 7/29/2009**

Crossing No.: **025129Y** Update Reason: **Changed Crossing** Effective Begin-Date of Record: **08/01/07**
 Railroad: **BNSF BNSF Rwy Co. [BNSF]** End-Date of Record:
 Initiating Agency **Railroad** Type and Position: **Public At Grade**

Part I Location and Classification of Crossing

Division:	SOUTHWEST	State:	AZ
Subdivision:	SELIGMAN	County:	COCONINO
Branch or Line Name:	E WINSL-NEEDLES	City:	In FLAGSTAFF
Railroad Milepost:	0340.55	Street or Road Name:	FANNING DRIVE
RailRoad I.D. No.:	7200	Highway Type & No.:	
Nearest RR Timetable Str:	FLAGSTAFF	HSR Corridor ID:	
Parent Railroad:		County Map Ref. No.:	38
Crossing Owner:		Latitude:	35.2153902
ENS Sign Installed:		Longitude:	-111.5952922
Passenger Service:	AMTRAK	Lat/Long Source:	Actual
Avg Passenger Train Count:	2	Quiet Zone:	No
Adjacent Crossing with Separate Number:			

Private Crossing Information:

Category:		Public Access:	Unknown
Specify Signs:		Specify Signals:	
	ST/RR A	ST/RR B	ST/RR C
			ST/RR D

Railroad Use:

State Use:

Narrative:

Emergency Contact: **(800)832-5452** Railroad Contact: **(913)551-4540** State Contact:

Part II Railroad Information

Number of Daily Train Movements:		Less Than One Movement Per Day:	No
Total Trains:	93	Total Switching:	0
Typical Speed Range Over Crossing: From	1 to 55 mph	Day Thru:	47
Type and Number of Tracks:	Main: 2 Other 0	Maximum Time Table Speed:	55
		Specify:	
Does Another RR Operate a Separate Track at Crossing?			No
Does Another RR Operate Over Your Track at Crossing?			Yes: ATK

U.S. DOT - CROSSING INVENTORY INFORMATION

Crossing **025129Y**

Continued

Effective Begin-Date of Record: **08/01/07**

End-Date of Record:

Part III: Traffic Control Device Information

Signs:

Crossbucks: **2**
 Advanced Warning: **Yes**
 Pavement Markings: **Stop Lines and RR Xing Symbols**

Highway Stop Signs: **0**
 Hump Crossing Sign:
 Other Signs: **1** Specify: **W/O 2**
1 **DIRECTIONA**

Train Activated Devices:

Gates: **2**
 Mast Mounted FL: **2**
 Cantilevered FL (Over): **2**
 Other Flashing Lights: **0**
 Highway Traffic Signals: **0**
 Other Train Activated Warning Devices:
 Channelization:
 Track Equipped with Train Signals? **Yes**

4 Quad or Full Barrier: **No**
 Total Number FL Pairs: **6**
 Cantilevered FL (Not over): **0**
 Specify Other Flashing Lights:
 Wigwags: **0** Bells: **2**
 Special Warning Devices Not Train Activated:
 Type of Train Detection: **DC/AFO**
 Traffic Light **Advance Preemption**
 Interconnection/Preemption:

Part IV: Physical Characteristics

Type of Development: **Commercial**
 Number of Traffic Lanes Crossing Railroad: **4**
 Is Highway Paved? **Yes**
 Crossing Surface: **Concrete**
 Nearby Intersecting Highway? **76 to 200 feet**
 Does Track Run Down a Street? **No**
 Is Commercial Power **Yes**

Smallest Crossing Angle: **60 to 90 Degrees**
 Are Truck Pullout Lanes Present? **No**
 If Other:
 Is it Signalized? **Yes**
 Is Crossing Illuminated? **No**

Part V: Highway Information

Highway System: **Non-Federal-aid**
 Is Crossing on State Highway System: **No**
 Annual Average Daily Traffic (AADT): **008101**
 Estimated Percent Trucks: **40**
 Posted Highway Speed: **0**

Functional Classification of Road at Crossing: **Urban Local**
 AADT Year: **2003**
 Avg. No of School Buses per Day: **0**

Exhibit 3

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Create New Zone
Manage Existing Zones
Log Off

Crossing	Street	Traffic	Warning Device	Pre-SSM	SSM	Risk
025131A	ENTERPRISE RD.	20836	Gates	0	0	81,966.70
025132G	SAN FRANCISCO ST	7978	Gates	14	0	218,815.96
025133N	BEAVER ST	7642	Gates	14	0	140,016.07

Step by Step Instructions:

Step 1: To specify New Warning Device (For Pre-Rule Quiet Zone Only) and/or SSM, click the MODIFY Button

Step 2: Select proposed warning device or SSM. Then click the UPDATE button. To generate a spreadsheet of the values on this page, click on ASM button—This spreadsheet can then be used for ASM calculations.

Step 3: Repeat Step (2) until the SELECT button is shown at the bottom right side of this page. Note that the SELECT button is shown ONLY when the Quiet Zone Risk Index falls below the NSRT or the Risk Index with Horns.

Step 4: To save the scenario and continue, click the SELECT button

* Only Public At Grade Crossings are listed.

ALERT: Quiet Zone qualifies because QZRI is less than Risk Index with Horns.

Click for Supplementary Safety Measures [SSM]

Click for ASM spreadsheet: ASM
 * Note: The use of ASMs requires an application to and approval from the FRA.

Summary	
Proposed Quiet Zone:	flagstaff 7.22.09
Type:	New 24-hour QZ
Scenario:	FLAGSTAFF_29678
Estimated Total Cost:	\$0.00
Nationwide Significant Risk Threshold:	17610 .00
Risk Index with Horns:	414763.78
Quiet Zone Risk Index:	146932.91
	Select

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Home | Help | Contact | logoff nicole.hightower@bnsf.com

Change Scenario:

Create New Zone
Manage Existing Zones
Log Off

Step by Step Instructions:

Step 1: To specify New Warning Device (For Pre-Rule Quiet Zone Only) and/or SSM, click the MODIFY Button

Step 2: Select proposed warning device or SSM. Then click the UPDATE button. To generate a spreadsheet of the values on this page, click on ASM button—This spreadsheet can then be used for ASM calculations.

Step 3: Repeat Step (2) until the SELECT button is shown at the bottom right side of this page. Note that the SELECT button is shown ONLY when the Quiet Zone Risk Index falls below the NSRT or the Risk Index with Horn.

Step 4: To save the scenario and continue, click the SELECT button

Crossing	Street	Traffic	Warning Device	Pre-SSM	SSM	Risk	Wayside Horn
025099J	STEVES BLVD.	11028	Gates	0	0	N/A	Wayside Horn
025129Y	FANNING DRIVE	8101	Gates	0	0	N/A	Wayside Horn
025131A	ENTERPRISE RD.	20836	Gates	0	0	81,966.70	<u>MODIFY</u>
025132G	SAN FRANCISCO ST	7978	Gates	14	0	218,815.96	<u>MODIFY</u>
025133N	BEAVER ST	7642	Gates	14	0	140,016.07	<u>MODIFY</u>

* Only Public At Grade Crossings are listed.

ALERT: Quiet Zone qualifies because QZRI is less than Risk Index with Horns.

Click for Supplementary Safety Measures [SSM]

Click for ASM spreadsheet:

* Note: The use of ASMs requires an application to and approval from the FRA.

Summary	
Proposed Quiet Zone:	flagstaff 7.15.09
Type:	New 24-hour QZ
Scenario:	FLAGSTAFF_29530
Estimated Total Cost:	\$0.00
Nationwide Significant Risk Threshold:	17610.00
Risk Index with Horns:	414763.78
Quiet Zone Risk Index:	146932.91
	Select