

EXHIBIT LIST

Petition of Whatcom County, Petitioner v. BNSF, Respondent
Docket TR-180466

NUMBER	SPONSOR	A/R	DATE	DESCRIPTION
BENCH EXHIBITS				
BR-1	Betty Young			History of Accidents at Cliffside Drive Crossing
BR-2	Stephen Semenick			History of Improvements at Cliffside Drive Crossing
WHATCOM COUNTY WITNESSES				
Cody Swan, Project Engineer, Whatcom County				
CS-1T	Cody Swan	A	3/5/19	Prefiled Direct Testimony of Cody Swan (11/9/2018) (8 pages)
CS-2	Cody Swan	A	3/5/19	Notice of Intent to Establish Quiet Zone Dated March 16, 2018 (11/9/2018)
CS-3	Cody Swan	A	3/5/19	Petition for Installation of Median Barriers at a Highway-Rail Grade Crossing Filed May 25, 2018 (11/9/2018)
CS-4	Cody Swan	A	3/5/19	UTC Response to Notice of Intent to Establish Quiet Zone Dated March 28, 2018 (11/9/2018)
CS-5	Cody Swan	A	3/5/19	BNSF Email Explaining Objection to Crossing Modification Dated June 20, 2018 (11/9/2018)
CS-6T	Cody Swan	A	3/5/19	Prefiled Rebuttal Testimony of Cody Swan (01/18/19) (7 pages)
CS-7	Cody Swan	A	3/5/19	49 C.F.R Part 222-229 with Appendices (01/18/19)
CS-8	Cody Swan	A	3/5/19	2019 7-day Traffic Volume Count for Cliffside Drive Crossing (01/18/19)
CS-9	Cody Swan	A	3/5/19	FRA Quiet Zone Calculator Using 2019 ADT for Cliffside Drive Crossing (01/18/19)

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CROSS-EXAMINATION EXHIBITS				
CS-10X	BNSF	NO		Deposition Exhibit 11 (Crossing Photograph)
CS-11X	BNSF	NO		Google Street View of Vancouver Crossing (Curb)
CS-12X	BNSF	A	3/5/19	Google Street View of Vancouver Crossing (Missing Channelization)
CS-13X	BNSF	A	3/5/19	Google Street View of Vancouver Crossing (Curb Circled)
CS-14X	BNSF	A	3/5/19	Google Street View of Vancouver Crossing (Street Sign)
CS-15X	BNSF	A	3/5/19	Google Street View of Vancouver Crossing (Entire Crossing)
CS-16X	BNSF	A	3/5/19	New Quiet Zone Calculation (CS-9)
CS-17X	BNSF	A	3/5/19	New Traffic Count (CS-8)
CS-18X	BNSF	A	3/5/19	Swan Rebuttal Testimony (CS-6T)
CS-19X	BNSF	A	3/5/19	Excerpt from FRA Interim Final Rule (DA-13)
CS-20X	BNSF	A	3/5/19	Photograph of FRA Study Crossing (DA-14)
CS-21X	BNSF	NO		Cody Swan Deposition Transcript
CS-22X	BNSF	A	3/5/19	Exhibit 4 to Swan Deposition (Aerial Photograph of Crossing and Surroundings)
CS-23X	BNSF	A	3/5/19	Exhibit 9 to Swan Deposition (Aerial Photograph of Crossing with Rough Location of Proposed Channelization)
CS-24X	BNSF	A	3/5/19	Initial Traffic Count Produced by County (SS-5)
CS-25X	BNSF	A	3/5/19	Photograph of Broken/Missing

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				Channelization Devices (SS-3)
CS-26X	BNSF	A	3/5/19	Photograph of Yacht Club Road Crossing (DA-4)
CS-27X	BNSF	A	3/5/19	Swan Direct Prefiled Testimony (CS-1T)
CS-28X	BNSF	A	3/5/19	Notice of Intent to Establish Quiet Zone and Accompanying Materials (CS-2)
CS-29X	BNSF	A	3/5/19	Petition for Installation of Median Barriers at a Highway-Rail Grade Crossing (CS-3)
COMMISSION REGULATORY STAFF				
Betty Young, Transportation Planning Specialist, Rail Safety Section				
BY-1T	Betty Young	A	3/5/19	Prefiled Testimony of Betty Young (12/21/2018) (11 pages)
BY-2	Betty Young	A	3/5/19	RCW 81.53.030 Petition for Crossing – Hearing – Order, RCW 81.53.060 Petition for alternation of crossing – Closure of grade crossing without hearing, and WAC 480-62-150 Grade crossing petitions (12/21/2018)
BY-3	Betty Young	A	3/5/19	Title 49 CFR Part 222 – Use of Locomotive Horns at Public Highway-Rail Grade Crossings (12/21/2018)
BY-4	Betty Young	A	3/5/19	FRA <i>Guide to the Quiet zone Establishment process</i>, Sept. 2013 (12/21/2018)
BY-5	Betty Young	A	3/5/19	Commission Staff Comments to Whatcom County in Docket TR-160319 Filed May 17, 2016 (12/21/2018)
BY-6T	Betty Young	A	3/5/19	Prefiled Cross-Answering Testimony of Betty Young (01/18/19) (3 pages)
BY-7	Betty Young	A	3/5/19	FRA Quiet Zone Calculator Screen Shot, January 29, 2018

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				(01/18/19)
BY-8	Betty Young	A	3/5/19	FRA Quiet Zone Calculator Screen Shot, January 15, 2019 (01/18/19)
CROSS-EXAMINATION EXHIBITS				
BY-9X	BNSF	A	3/5/19	Betty Young Pre-filed Testimony (BY-1T)
BY-10X	BNSF	A	3/5/19	Title 49 CFR Part 222 – Use of Locomotive Horns at Public Highway-Rail Grade Crossings (BY-3)
BY-11X	BNSF	A	3/5/19	FRA “Guide to the Quiet Zone Establishment Process” (Sept. 2013) (BY-4)
BY-12X	BNSF	A	3/5/19	Commission Staff Comments to Whatcom County in Docket TR-160319 (BY-5)
BY-13X	BNSF	A	3/5/19	Photograph of Yacht Club Road Crossing (DA-4)
BY-14X	BNSF	A	3/5/19	Photograph of Broken/Missing Channelization Devices (SS-3)
BY-15X	BNSF	A	3/5/19	Excerpt from FRA Interim Final Rule (DA-13)
BY-16X	BNSF	A	3/5/19	Photograph of FRA Study Crossing (DA-14)
BY-17X	BNSF	A	3/5/19	New Quiet Zone Calculation (CS-9)
BY-18X	BNSF	A	3/5/19	New Traffic Count (CS-8)
BY-19X	BNSF	NO		Exhibit 4 to Swan Deposition (Aerial Photograph of Crossing and Surroundings)
BY-20X	BNSF	NO		Exhibit 9 to Swan Deposition (Aerial Photograph of Crossing with Rough Location of Proposed Channelization)
BY-21X	BNSF	NO		Google Street View of Vancouver Crossing (Curb)
BY-22X	BNSF	NO		Google Street View of

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				Vancouver Crossing (Missing Channelization)
BY-23X	BNSF	NO		Google Street View of Vancouver Crossing (Curb Circled)
BY-24X	BNSF	NO		Google Street View of Vancouver Crossing (Street Sign)
BY-25X	BNSF	NO		Google Street View of Vancouver Crossing (Entire Crossing)
BNSF				
Dusty Arrington, Accident Reconstruction Specialist at A&M Forensics and Engineering				
DA-1T	Dusty Arrington	A	3/5/19	Prefiled Testimony of Dusty Arrington (12/20/2018) (16 pages)
DA-2	Dusty Arrington	A	3/5/19	Curriculum Vitae, Dusty Arrington (12/20/2018)
DA-3	Dusty Arrington	A	3/5/19	Photograph, Example of Mountable Median (12/20/2018)
DA-4	Dusty Arrington	A	3/5/19	Photograph, Example of Non-Mountable Concrete Curb (12/20/2018)
DA-5	Dusty Arrington	A	3/5/19	Texas A&M Transportation Institute, Development of Delineator Testing Standard, Test Report No. 0-6772-1 Dated October 27, 2014 (12/20/2018)
DA-6	Dusty Arrington	A	3/5/19	Texas A&M Transportation Institute, Development of Delineator Material/Impact Testing Specific to Managed Lane Use for Optimization of Service Life, Final Report No. 605601, July 2016 (12/20/2018)
DA-7	Dusty Arrington	A	3/5/19	Texas A&M Transportation Institute, Standard Delineator Testing Specific to Managed Lane Use for Optimization of

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				Service Life – Phase 2, March 2018 (12/20/2018)
DA-8	Dusty Arrington	A	3/5/19	Photograph of Low Ground Clearance Vehicle Pulled Up to a 6-inch Concrete Curbed Median (12/20/2018)
DA-9	Dusty Arrington	A	3/5/19	Screenshot of Video Showing a Ford F150 Traversing a 6-inch Concrete Curbed Median (Video Sent by Thumb Drive) (12/20/2018)
DA-10	Dusty Arrington	A	3/5/19	Commission Staff Response to Whatcom County in Docket TR-160319 Dated May 17, 2016 (12/20/2018)
DA-11	Dusty Arrington	A	3/5/19	UTC Response to Notice of Intent to Establish Quiet Zone (12/20/2018)
DA-12T	Dusty Arrington	A	3/5/19	Prefiled Rebuttal Testimony of Dusty Arrington (01/18/19) (6 pages)
DA-13	Dusty Arrington	A	3/5/19	Excerpt from Federal Register, December 18, 2003, Department of Transportation Federal Railroad Administration (01/18/19)
DA-14	Dusty Arrington	A	3/5/19	Google Street View of Test System Installation in North Carolina in April 2015 (01/18/19)
CROSS-EXAMINATION EXHIBITS				
DA-15X	Whatcom County	NO		Photo of Ford F150 traversing 6” concrete curbed median (DA-9)
DA-16X	Whatcom County	NO		49 CFR Parts 222 and 229 Use of Locomotive Horns at Highway-Rail Grade Crossings; Interim Final Rule (CS-7)
DA-17X	Whatcom County	NO		Letter from S. Semenick of BNSF to Whatcom County Road Engineer Joe Rutan (CS-5)

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DA-18X	Whatcom County	NO		Exhibit to Prehearing Testimony of Betty Young, WA UTC: FRA “Guide to the Quiet Zone Establishment Process” (Sept. 2013) (BY-4)
DA-19X	Whatcom County	NO		Photo Example of delineators or “channelization devices”
DA-20X	Whatcom County	NO		Google Earth aerial picture of Cliffside Drive neighborhood
DA-21X	Whatcom County	NO		49 CFR Parts 222 and 229, “Use of Locomotive Horns at Highway-Rail Grade Crossings: Final Rule” April 27, 2005 (BY-3)
DA-22X	Whatcom County	NO		Ltr from WA UTC to Whatcom County Road Engineer Joe Rutan Re: TR-180235 (CS-4)
DA-23X	Whatcom County	NO		BNSF response to WA UTC RE: TR-180466
DA-24X	Whatcom County	NO		Traffic Count for Cliffside Drive Crossing 1/5/19-1/11/19 (CS-8)
DA-25X	Whatcom County	NO		FRA – QZ Calculator using 2019 ADT for Cliffside Drive crossing (CS-9)
DA-26X	Whatcom County	NO		Photo of Cliffside Drive crossing from eastern approach, looking west
DA-27X	Whatcom County	NO		Photo of Cliffside Drive crossing from eastern approach, looking west
DA-28X	Whatcom County	NO		Photo of Cliffside Drive crossing from eastern approach, looking west
DA-29X	Whatcom County	NO		Photo of track approaching from north at Cliffside Drive crossing
DA-30X	Whatcom County	NO		Photo of track approach from south at Cliffside Drive crossing
DA-31X	Whatcom County	NO		Photo of track approach from south at Cliffside Drive crossing with southwestern

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				gate in view
DA-32X	Whatcom County	NO		Photo of western approach and Cliffside Drive crossing
DA-33X	Whatcom County	NO		Photo of western approach to Cliffside Drive crossing looking east
Stephen Semenick, Manager of Public Projects for BNSF for Washington and British Columbia				
SS-1T	Stephen Semenick	A	3/5/19	Prefiled Testimony of Stephen Semenick (12/21/2018) (10 pages)
SS-2	Stephen Semenick	A	3/5/19	Photographs of Cliffside Drive Crossing and Yacht Club Road Crossing (12/21/2018)
SS-3	Stephen Semenick	A	3/5/19	Photograph, Example of Bent or Broken Vertical Channelization Paddles (12/21/2018)
SS-4	Stephen Semenick	A	3/5/19	BNSF response to Notice of Intent to Establish Quiet Zone Dated May 16, 2018 (12/21/2018)
SS-5	Stephen Semenick	A	3/5/19	Traffic Count Information Provided in Whatcom County's Responses to BNSF Data Requests (12/21/2018)
SS-6	Stephen Semenick	A	3/5/19	Commission Staff Comments to Whatcom County in Docket TR-160319 Dated May 17, 2016 (12/21/2018)
SS-7	Stephen Semenick	A	3/5/19	Amended Petition for Installation of Median Barriers at a Highway Rail Crossing in TR-170122 (12/21/2018)
SS-8	Stephen Semenick	A	3/5/19	Docket TR-170122, Order 02, Order Granting Amended Petition for Installation of Median Barriers at the Yacht Club Road Highway-Rail Grade Crossing (12/21/2018)

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SS-9X	Whatcom County	NO		Exhibit to Testimony of Betty Young: FRA “Guide to the Quiet Zone Establishment Process” (Sept 2013) (BY-4)
SS-10X	Whatcom County	NO		Letter from S. Semenick of BNSF to Whatcom County Road Engineer Joe Rutan (SS-4)
SS-11X	Whatcom County	NO		49 CFR Parts 222 and 229, “Use of Locomotive Horns at Highway-Rail Grade Crossings: Final Rule” April 27, 2005 (CS-7)
SS-12X	Whatcom County	NO		Letter Re: Notice Intent to Establish a Quiet Zone at Cliffside Dr (CS-2)
SS-13X	Whatcom County	NO		Whatcom County Petition to WA UTC for Installation of Median Barriers at a Highway-Rail Grade Crossing (CS-3)
SS-14X	Whatcom County	NO		Ltr from WA UTC to Whatcom County Road Engineer Joe Rutan re: TR-180235 (CS-4)
SS-15X	Whatcom County	NO		BNSF response to WA UTC RE: TR-180466 (CS-5)
SS-16X	Whatcom County	NO		ADT count for Cliffside Drive Crossing 1/5/19-1/18/19 (CS-8)
SS-17X	Whatcom County	NO		Photo of Cliffside Drive crossing from eastern approach looking west
SS-18X	Whatcom County	NO		Photo of Cliffside Drive crossing from eastern approach looking west
SS-19X	Whatcom County	NO		Photo of Cliffside Drive crossing from eastern approach looking west
SS-20X	Whatcom County	NO		Photo of track approaching from north at Cliffside Drive crossing

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SS-21X	Whatcom County	NO		Photo of track approach from south at Cliffside Drive crossing
SS-22X	Whatcom County	NO		Photo of track approach from south at Cliffside Drive crossing with southwestern gate in view
SS-23X	Whatcom County	NO		Photo of western approach and Cliffside Drive crossing
SS-24X	Whatcom County	NO		Photo of western approach to Cliffside Drive crossing looking east