

Public Services

128 North Second Street • Fourth Floor Courthouse • Yakima, Washington 98901 (509) 574-2300 • 1-800-572-7354 • FAX (509) 574-2301 • www.co.yakima.wa.us

VERN M. REDIFER, P.E. - Director

March 11, 2008

Washington Utilities

& Transportation Commission (WUTC)

Attn: Kathy Hunter P.O. Box 47250 Olympia, WA 98504-7250

Dear Ms. Hunter:

Yakima County respectfully submits its <u>Petition to Install Highway-Rail Grade</u>

<u>Crossing Active Warning Devices and Disbursement of Funds from the Grade</u>

<u>Crossing Protective Fund for the White Swan Branch Line / Barkes Road Crossing.</u>

The WSB/Barkes Road Crossing [USDOT X-ing # 099246Y and UTC X-ing # 39A14.40] is a significant safety project in the Middle-Western parts of the Yakima Valley. Part of a greater road detour project, the installation of an active warning device will increase the safety and protection of the motoring public and the railroad.

If you have any questions or require additional information, please contact me at 509.574.2344 or alan.adolf@co.yakima.wa.us.

Sincerely,

Alan Adolf

Sr. Transportation Planner



WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

) DOCKET NO. TR-
Yakima County (Roads Department)) PETITION TO INSTALL HIGHWAY-) RAIL GRADE CROSSING ACTIVE
Petitioner,) WARNING DEVICES AND
vs. Toppenish, Simcoe & Western Railroad (White Swan Branch Rail Line) c/o Yakima County) DISBURSEMENT OF FUNDS) FROM THE GRADE CROSSING) PROTECTIVE FUND)
Respondent) USDOT CROSSING # 099 246Y
) UTC CROSSING # 39A14.40

The Petitioner asks the Washington Utilities and Transportation Commission to approving the installation of highway-rail grade crossing warning signals and disbursing funds from the Grade Crossing Protective Fund.

Section 1 – Petitioner's Information

Yakima County Public Services (County Road Department) Petitioner			
128 N. 2 nd Street, 4 th Floor, Courthouse, Street Address			
Yakima, WA 98901 City, State and Zip Code			
Same as Above Mailing Address, if different than the street address			
Gary N. Ekstedt, P.E. – County Road Engineer Contact Person Name			
(509) 574-2300 gary.ekstedt@co.yakima.wa.us Contact Phone Number and E-mail Address			

Section 2 – Respondent's Information

Toppenish, Simcoe & Western Railroad (Owned by Yakima County) Respondent				
128 N. 2 nd Street, 4 th Floor, Courthouse Street Address				
Yakima, WA 98901 City, State and Zip Code				
Same as above Mailing Address, if different than the street address				
Ronald Gamache, Chairman, Yakima County Board of County Commissioners Contact Person Name				
(509) 574-1500 ronald.gamache@co.yakima.wa.us Contact Phone Number and E-mail Address				
Section 3 – Crossing Location				
Existing highway/roadway Barkes Road (Yakima County)				
2. Existing railroad TSWR White Swan Branch Line (Yakima County, Washington)				
3. USDOT Crossing No. 099 246Y UTC Crossing No. 39A14.40				

4. Located in the <u>NE 1/4 of the NE 1/4 of Sec. 35</u>, Twp. <u>11</u>, Range <u>17</u> W.M.

County Yakima County

5. GPS location, if known Lat: 46 24 15.53 Long: -120 38 57.48

6. Railroad mile post (nearest tenth) WSBL M.P. 14.4 (Approx.)

7. City

Section 4 – Current Highway Traffic Information

1. Name of highway Barkes R	Road				
2. Road authority Yakima					
3. Average annual daily traffic ((AADT) 30 (2007) & 1500 (2008 – est.)				
4. Number of lanes Two La	nes				
5. Roadway speed50 Mph					
6. Is the crossing part of an established truck route? Yes X No All area roads are farm-to-market, so all roads (including Barkes Road) are truck routes. Fort Road (south) and Branch Road (immediately north) are both classified as Class 4 – [1.2 to 3.6 Trucks/hr.] Truck Emphasis Routes. As a detour route, Barkes Road will, in practicality, undertake such a designation. Yakima County, having paved the route, may designate Barkes Road as a Class 5 after the detour is lifted.					
7. If so, trucks are what percent	of total daily traffic? 2%				
8. Is the crossing part of an established school bus route? Yes X No					
9. If so, how many school buses travel over the crossing each day?2 (two). Per Mt. Adams School District (#209), one morning an one afternoon bus route utilizes this segment of Barkes Road on a daily basis.					
10. Describe any changes to the information in 1 through 7, above, expected within ten years: In May 2008, Barkes Road will be paved to act as a detour route for a Fort Road bridge closure. This will result in an increase of 1500-1750 ADT per day for the length of the bridge reconstruction project. Intersecting roads [Fort Rd. to the South and Branch Road to the North] are both federally classified as rural arterials that service general, industrial, agricultural, and logging traffic on a daily basis. Yakima County projects an permanent increase in traffic on Barkes Road following the termination of the detour route designation whereas this route is the westernmost north/south connection between Fort and Branch Roads prior to the White Swan community (six miles further west).					

Section 5 – Current Crossing Information

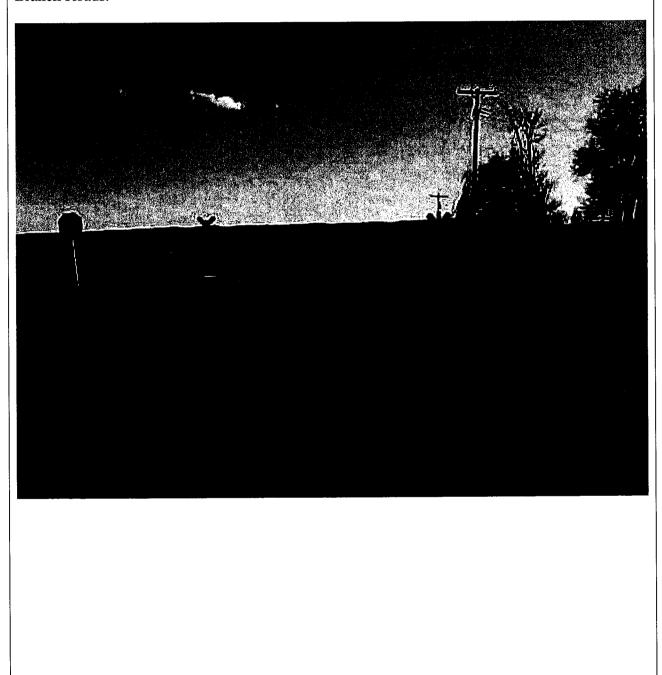
1. Railroad company Yakima Co	ounty Public Service	ees				
2. Type of railroad at crossing {X} Co	mmon Carrier	{X} Logging	{X} Industrial			
□ Passenger {X} Excurs	sion					
3. Type of tracks at crossing {X} Mai	n Line □ Sidi	ing or Spur				
4. Number of tracks at crossing On	e					
5. Average daily train traffic, freight						
Authorized freight train speed 25mph Operated freight train speed 25 mph						
6. Average daily train traffic, passenger[0]						
Authorized passenger train speed 30mph Operated passenger train speed 30 mph						
7. Describe any changes to the information in 1 through 4, above, expected within ten years: Yakima County does not project any changes to the type of use stated in # 1 - # 4 (stated above). The WSBL terminates approximately 7 miles west of this crossing at the Yakama Forest Product Saw Mills. However, amount of use may change as the county develops partnerships with potential shippers.						
8. What is the available sight distance from the stop bar (or 25 feet from the tracks if no stop bar) on both approaches to the crossing? Available sight distance is unlimited from the stop bar on both approaches to the crossing.						
9. If the sight distance is less than 400 feet, describe the structures, roadway or track curvature, visual obstacles or other characteristics that limit sight distance. A residential structure (207 feet SW of the crossing) and vegetation partially blocks the view of north bound Barkes Road Traffic approaching the crossing. However, there is unobstructed visibility of the western approaches of the track at least 975 feet (and beyond) south of the Barkes Road/ WSBL Crossing.						

Section 6 - Current Warning Devices

1. Provide a complete description of the warning devices currently located at the crossing, including signs, gates, lights, train detection circuitry and any other warning devices.

Current warning devices at the Barkes Road / WSBL Crossing consist solely of a set of FRA-standard cross-bucks located on the southern and northern facing lanes of Barkes Road.

Yakima County maintains a standard traffic "Stop" sign at the intersection of Barkes and Branch Roads.



Section 7 – Description of Proposed Changes

1. Describe in detail the number and type of automatic signals, gates or proposed warning devices, including the proposed circuitry. Include the funding source for the proposed installation.

Yakima County will be installing a standard bi-directional (two-lane) active crossing gate system including shoulder mounts, gates and a 40-foot concrete crossing at the Barkes Road / WSBL Railroad Crossing. Materials for the project will be relocated from the Naches Branch Line ([NBL] – also owned by Yakima County). Funding comes from Yakima County's TSWR Fund (122) account in the amount of \$37,750.00.

Barkes Road reconstruction is funded through local road funds.

Quantities for the active crossing gate system are as follows:

- > One Set (two) of crossing gates
- > One Set (two) of electronic cross-bucks
- > One Set (two) of shoulder mounts
- > One 40-foot concrete crossing
- > One [Safetran Systems Corp.] electronics box (See photo)

The surplus crossing gate system originally was located at the NBL / Old Naches Hwy crossing [M.P. 5.2 -- USDOT # 103902R] and the concrete crossing panels will be relocated from the Lakeside Court (M.P. 3.60 - City of Yakima) / NBL crossing. The NBL was railbanked at MP 2.97.

Section 8 – Illustration of Proposed Warning Devices

Attach a detailed diagram, drawing, map or other illustration showing the proposed warning devices.

See Attached Design Documents

Section 9 – Project Cost Information

1. Breakdown of estimated total cost.

See question #2 (below)

2. Names of the parties contributing to the project and the amount each is contributing.

Project Costs (Crossing Only)

- -- Crossing Gate System
- -- Installation
- -- \$ 0.00 -- No Cost (Existing County Inventory)
- -- \$57,750.00
- -- (\$37,750.00) -- TWSR Fund (122) [Yakima. Co.]
- -- \$20,000.00 Installation Shortfall

Section 10 - Project Completion Date

Project completion date:

Yakima County will install the shoulder mounts, gates, and 40-foot concrete crossing within 120 days of receipt of funds.

Project Timeline:

Barkes Road Reconstruction Award:

February 2008

Reconstruct Barkes Road:

April 2008

Award Railroad Crossing Contract:

April 2008

Reconstruct Railroad Crossing:

May 2008

Completion of Barkes & Crossing:

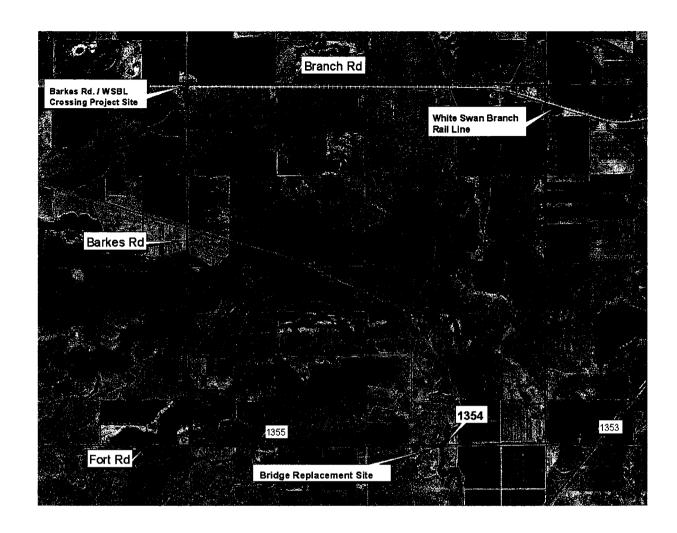
May 2008

Closure of Fort Road (Detour):

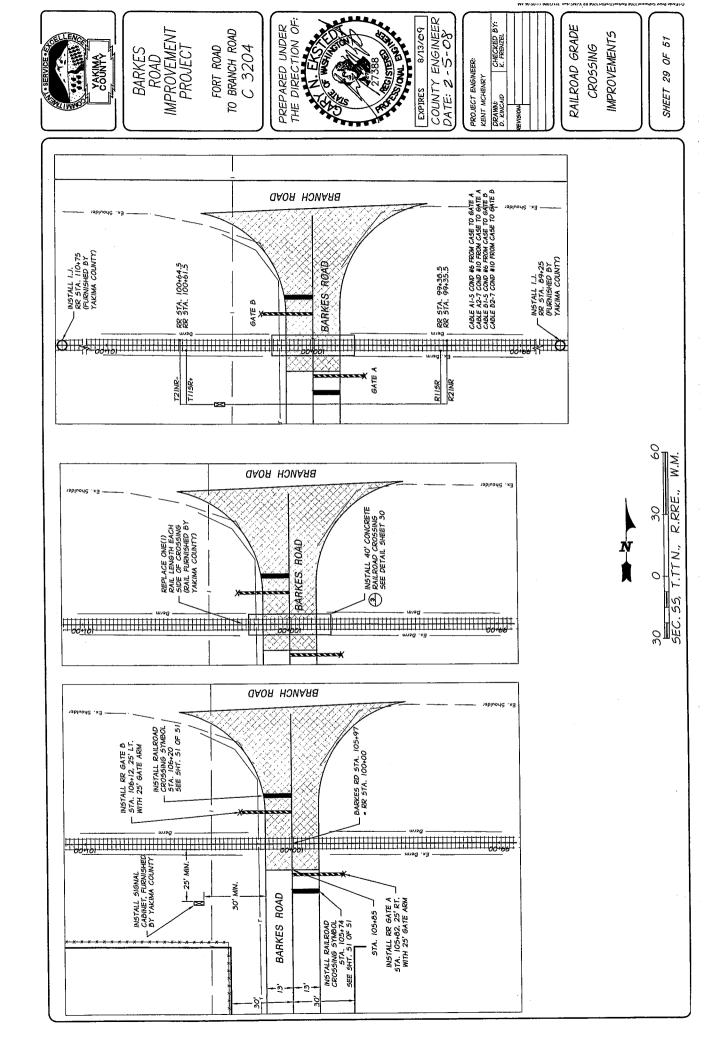
July 2008

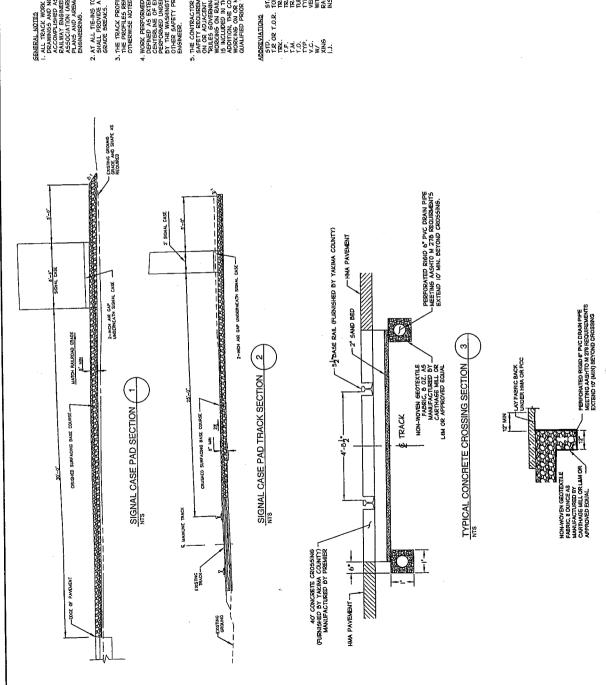
Section 11 – Waiver of Hearing by Respondent

Waiver of Hearing					
The undersigned represent warning signals at the followers.		e petition to install highwa	ny-rail grade crossing		
USDOT Crossing No	099246Y	UTC Crossing No	39A14.40		
We have investigated the as described by the Petitio and consent to a decision	ner in this docket. We	agree the warning signals	onditions are the same should be installed		
Dated at <u>Yakima</u>		ne day of			
MARCH	, 20 <u>08</u> .				
		E. e, & Western Railroad ch Line) c/o Yakima Cour	nty		
	Printed name of Re	espondent How			
	Signature of Respo	ndent's Representative			
	Transportation Engineering Manager				
	Title				
	(509) 574-2300	kent.mchenry@co.yal	kima.wa.us		
	Phone number and	e-mail address			
	128 N. 2 nd Street,	4 th Floor, Courthouse			
	Yakima, WA 9890	01			
	Mailing address				











YAKIMA

SEBREAL, MOTES ESCUIREMENTS SHOWN ON THESE IN ALL TRACK WORK ERQUIREMENTS SHOWN THESE MCCORPLISHED SHALL BE ACCORPLISHED AS SPECIFIED IN THE ZOOT AMERICAN ASSIGNATION OF MAY ASSIGNATION (AREAM) PORTION OF TRACKWORK PLANS AND ARRAN MANUAL FOR RAILWAY ENGINEERING.

2. AT ALL TIE-INS TO EXISTING TRACK, THE CONTRACTOR SHALL PROVIDE A SMOOTH PROFILE WITHOUT SHARP GRADE BREAKS.

3. THE TRACK PROFILES AND ALL ELEVATIONS LISTED IN THE PROFILES REFER TO TOP OF RAIL, UNLESS OTHERWISE NOTED.

BARKES ROAD IMPROVEMENT PROJECT

4, WORK PERFORMED WITHIN THE CLEARANCE BUVELOPE, DEFINED AS EXTENDING 10' HORIZONTALLY FROM THE CENTREMLE OF EXISTENDING TRACKS, SALLE BE PERFORMED UNDER PLAS PROTECTION AS PROVIDED BY THE WASHINGTON, CENTRAL, RALLEOAD UNLESS OTHER SAFETY PROVISIONS ARE ESTABLISHED BY THE BIGINEER.

FORT ROAD TO

BRANCH ROAD

C 3204

STANDARD

TOP OF RAIL
TRACK FROM
TRACK MEN
TRA

THE DIRECTION OF:

PREPARED UNDER

COUNTY ENGINEER 8/13/09 EXPIRES

DATE: 2-5-08

PROJECT ENGINEER:

CHECKED BY: K. FRENZEL KENT MCHENRY DRAWN: D. KINCAID

RAILROAD GRADE CROSSING

IMPROVEMENTS

SHEET 30 OF 51

4

DRAINAGE TRENCH DETAIL NTS

U.S. DOT - CROSSING INVENTORY INFORMATION AS OF 3/10/2008

Crossing No.:

099246Y

Update Reason:

Changed Crossing

Effective Begin-Date of Record: 08/21/02

Railroad:

TSW Toppenish Simcoe & Western [TSWR]

Current Record

Initiating Agency State

Type and Positiion: Public At Grade

Part I Location and Classification of Crossing

Division:

YAKIMA VALLEY

State:

WA

Subdivision:

3RD

County:

YAKIMA

Branch or Line Name:

WHITESWAN BR.

City: In **BROWNSTOWN**

Railroad Milepost:

0014.42

Street or Road Name:

BARKES ROAD

RailRoad I.D. No.:

0447

0

Highway Type & No.:

CO54950

Nearest RR Timetable Stn:

RUPPLE

HSR Corridor ID:

39-6

Parent Railroad: Crossing Owner:

County Map Ref. No.: Latitude:

46.6039010

ENS Sign Installed:

Longitude:

-120.5103990

Passenger Service:

Lat/Long Source: Quiet Zone:

No

Avg Passenger Train Count:

Adjacent Crossing with Separate Number:

Private Crossing Information:

Category:

Public Access:

Specify Signs:

Specify Signals:

ST/RR A

ST/RR B

ST/RR C

ST/RR D

Railroad Use:

State Use:

Narrative:

Emergency Contact:

Railroad Contact:

State Contact:

Part II Railroad Information

Number of Daily Train Movements:

Less Than One Movement Per Day:

Yes

Total Trains: 0

Typical Speed Range Over Crossing:

Total Switching: From

25 to 25 mph

Day Thru: O

Maximum Time Table Speed:

25

Type and Number of Tracks:

Main:

Other

0

Specify:

Does Another RR Operate Over Your Track at Crossing?

Does Another RR Operate a Separate Track at Crossing?

U.S. DOT - CROSSING INVENTORY INFORMATION

Crossing 099246Y Continued

Effective Begin-Date of Record: 08/21/02

Current Record

Part III: Traffic Control Device Information

Crossbucks:

2

No Markings

Highway Stop Signs:

0

Advanced Warning: **Pavement Markings:** Yes

Hump Crossing Sign: Other Signs:

0 Specify:

0

Train Activated Devices:

Mast Mounted FL:

Gates:

0

4 Quad or Full Barrier:

0

Total Number FL Pairs:

0 O

Cantilevered FL (Over): Other Flashing Lights:

0 0 Cantilevered FL (Not over): Specify Other Flashing Lights:

Highway Traffic Signals:

0

Wigwags:

Bells:

None

Other Train Activated Warning Devices:

Special Warning Devices Not Train Activated:

n

Channelization:

Track Equipped with Train Signals?

No

Type of Train Detection: Traffic Light

Interconnection/Preemption:

Part IV: Physical Characteristics

Type of Development:

Residential

Smallest Crossing Angle:

60 to 90 Degrees

Number of Traffic Lanes

Crossing Railroad:

2

Are Truck Pullout Lanes Present?

No

Is Highway Paved?

No Timber

If Other:

Crossing Surface: Nearby Intersecting

Highway?

Less than 75 feet

Is it Signalized?

Does Track Run Down a

Is Crossing Illuminated?

Is Commercial Power Available? Yes

Part V: Highway Information

Highway System:

Non-Federal-aid

Functional Classification of

Rural Local

Is Crossing on State Highway System:

No

Road at Crossing:

1986

Annual Average Daily Traffic

(AADT):

000240

AADT Year:

Estimated Percent Trucks:

15

Avg. No of School Buses per Day:

0

Posted Highway Speed:

0