

TR-040383

BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

Tri-City Railroad Company)

Petitioner)

DOCKET NO. TR-

PETITION FOR MODIFICATION OF
DETECTION CIRCUITRY AND
ALLOCATION OF COSTS FROM THE
GRADE CROSSING PROTECTION FUND

WUTC No. 19A 32.10

DOT No. 914452L

Petitioner requests the Washington Utilities and Transportation Commission to enter an order consenting to the modification of detection circuitry for a grade crossing signal system and allocate the costs associated with the proposal pursuant to RCW 81.53.281 as follows:

1. Identifying information for the crossing:

Existing highway, street road, county: Route 4 South, Benton Co.

Existing railway: Tri-City Railroad Company

WUTC Crossing Number: 19A 32.10

DOT Number: 914452L

2. Description of current signals and/or gates at the crossing: 12" cantilever mounted flashing lights with gates.

3. Type of current crossing circuitry: DC

4. Project description and justification:

(a) Proposed changes: Replace DC track circuits with AC/DC type and stick release timer, 12" light head with LED type, and system batteries. Install power generating wind turbine to supplement solar panels for signal system battery charging.

(b) Justification for changes: AC/DC track circuits provide safe reliable train detection while reducing maintenance costs and false activations related to DC type circuits. Stick release timer protects against activation failures in the event of a directional stick lock-up. LED type lights improve visibility for motorist and reduce energy consumption. System batteries are high capacity for increased reliability. The crossing is located in a remote area and commercial power is not available. The wind turbine power plant will supplement the existing solar power system.

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(c) Affects of proposed changes on warning devices and warning times for drivers: LED type lights provide greater visibility for the motorist. No change in warning times.

5. Drawings. Sketches drawn to scale are attached accurately showing the current and proposed layout of the highway (including shoulders, sidewalks, lanes of travel, bike lanes and crossing warning devices), of the crossing surface and of the railway in the vicinity of the crossing. N/A

6. Project Cost:

(a) Estimated material cost \$13,071.46

(b) Estimated labor cost \$3,000.00

(c) Estimated total cost \$16,071.46

I certify under penalty of perjury that the foregoing is true and correct.

Dated at Richland, Washington this 24 day of February, 2004.

Tri-City Railroad Company
Petitioner

Roberta Cooley
By

(Address)

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Richland, wa 99352