



UTILITIES AND TRANSPORTATION
COMMISSION

1300 S. Evergreen Park Drive SW
PO Box 47250
Olympia, WA 98504-7250
(360)664-1257 or (360)664-1100
Fax: (360)586-1150
Web: www.wutc.wa.gov
E-mail: records@utc.wa.gov

**GRADE CROSSING PROTECTIVE FUND
2009 – 2011 GRANT APPLICATION
Beach Drive Crossing Safety Improvement Project**

The Washington Utilities and Transportation Commission (commission), through its Grade Crossing Protective Fund (GCPF), provides grants for projects that eliminate or mitigate public safety hazards at railroad crossings and along railroad rights-of-way in Washington State. Any public, private or non-profit entity may submit an application to the commission for a GCPF grant.

To apply for a grant to eliminate or mitigate a public safety hazard at a railroad crossing or along a railroad right-of-way, complete the following information and submit it and attachments to the commission.

Applicant Information

Applicant Name:	<u>Brian Carlson, PE, Director of Public Works</u>
Organization:	<u>City of Vancouver Washington</u>
Address:	<u>PO Box 1995, Vancouver WA 98668-1995</u>
Phone:	<u>(360) 487-7131</u>
E-mail:	<u>Brian.Carlson@cityofvancouver.us</u>
Fax:	<u>(360) 487-7139</u>

[Handwritten Signature]
12/9/10

Project Information

Attach additional sheets as necessary to the application that provide the following:

1. A detailed summary of the hazard being addressed. Include any information about accidents or incidents at the site and photographs, drawings or other materials that support the application.
2. A detailed summary of the proposed project and how it will eliminate or mitigate the hazard. Include any drawings or construction plans for the proposed project.

GCPF Application Form – Beach Dr Crossing Safety Improvement Project

3. A list all other companies, organizations, state agencies or local governments that may be involved in implementing this proposal and the contact name, address and phone number for each (if known).
4. A cost estimate, including:
 - a. An itemized list of the total costs of the project.
 - b. Names of parties contributing to the project, including the applicant, and the amount each is contributing.
5. The name of the party responsible for long-term maintenance, such as repair of fencing.
6. An estimated timeline of the project.
7. A description of how the project's success would be measured.
8. Any other information the applicant believes would be useful to the commission in considering the project.

Railroad Commitment

If the applicant is not the railroad owning the crossing or on the tracks, the applicant must submit the attached completed Railroad Commitment form, completed by the railroad owning the crossing.

Submitting the Application

After completing the application, please send the original to:
Washington Utilities and Transportation Commission
Attention: Grade Crossing Protective Fund
1300 S. Evergreen Park Drive SW
PO Box 47250
Olympia, WA 98504-7250

A signed application may be filed electronically at records@utc.wa.gov. When filing electronically, please specify "Grade Crossing Protective Fund" in the subject line.

Assistance

For questions or assistance, please contact:

- Kathy Hunter at (360)664-1257 or by e-mail at khunter@utc.wa.gov
- David Pratt at (360)664-1100 or by e-mail at dpratt@utc.wa.gov

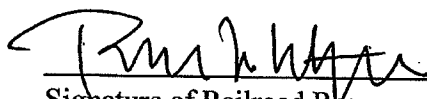
Railroad Commitment

The undersigned represents the Railroad Company in the accompanying GCPF application.

We have reviewed the application and are satisfied the conditions are the same as described by the applicant in this matter. We agree to allow construction, modification or demolition on a railroad right-of-way as described in the application.

Richard W Wagner

Printed name of Railroad Representative



Signature of Railroad Representative

MANAGER PUBLIC PROJECTS

Title

206.625.6152

Phone

RICHARD.WAGNER@BNSF.COM

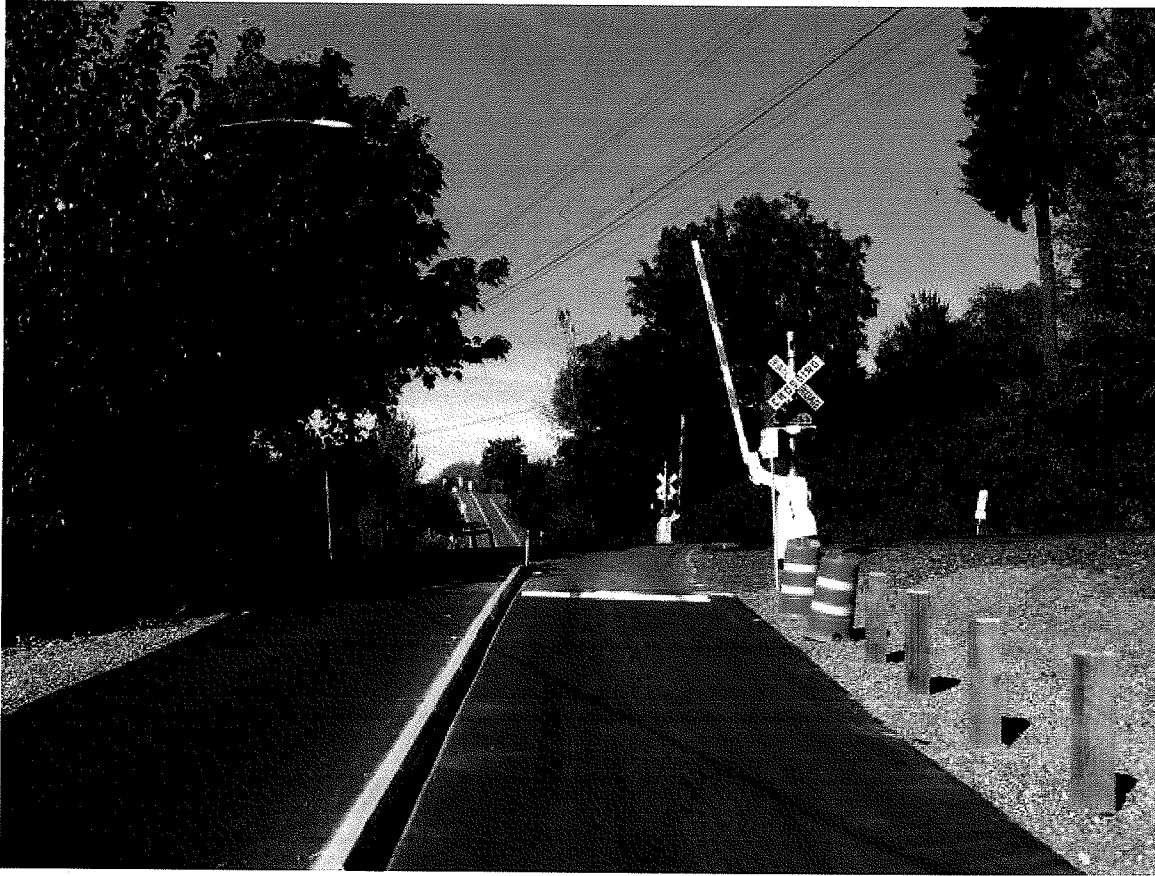
E-mail

Date: 12.09.2010

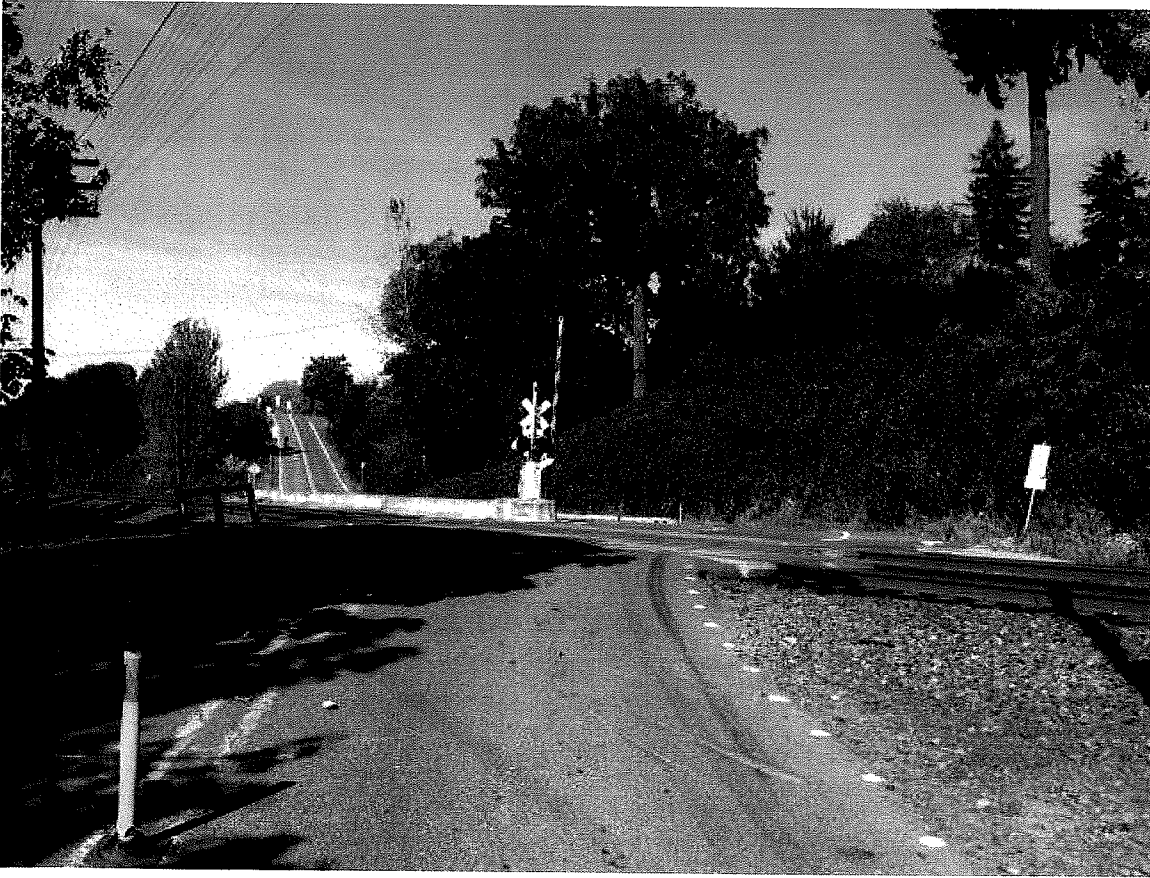
Beach Drive Crossing Safety Improvement Project

1. Background:

The Beach Dr crossing, DOT No. 090072Y, has a long history of motorists getting stuck on the tracks. See the attached report from BNSF of Engineering MOW Trouble Tickets. This typically involves an impaired driver leaving Wintler Park at night. Beach Drive goes through a reverse curve as it crosses the tracks. For the northbound, impaired driver, it is believed that they are confused regarding the true alignment of the roadway and try to straighten out the curves leading motorists onto the tracks. The errant driver typically gets far enough on the tracks where they can get stuck. The events happen at night and the area does not have adequate street lighting. BNSF has a record of 10 stuck vehicles on the track in the last 4 years.



Beach Drive looking northwest at the crossing



Beach Drive crossing looking northwest. Errant motorists fail to follow the alignment of the roadway and drivers turn left onto the tracks.

There are approximately 30 freight trains per day and 2 passenger trains per day that utilize this section of railroad tracks with an operating speed of 60 to 70 MPH. The crossing has a two quad gate system and was recently upgraded with 100 long barrier curbing on each approach to meet the criteria for a quiet zone. Beach Dr has summertime traffic of approximately 1200 vehicles per day.

2. Proposed Improvements:

The project is aimed to better delineate the roadway alignment with a mountable median and reflectorized, flexible posts. See Figure 1 and manufacture's installation information for more details. Due to the very narrow roadway, "mountable" curbing is proposed to minimize damage by large trucks that occasionally need to access Beach Dr.

To better illuminate the grade crossing, the project includes removal of a tree that blocks an existing street light from illuminating the crossing. The project will fund the cost of the tree removal. See Figure 1 for location of existing street light and the tree to be removed.

The City of Vancouver will provide design engineering services for the project. BNSF will provide traffic control for the construction work. A contractor will be used to install the safety improvements and the electricity for the street light.

3. Project Participation:

This is a joint project of the City of Vancouver and BNSF to improve safety at Beach Dr at the public grade railroad crossing DOT # 090072Y, Vancouver WA, Clark County.

Brian Carlson, PE, Director of Public Works, City of Vancouver, PO Box 1995, Vancouver WA 98668-1995, Brian.Carlson@cityofvancouver.us

Richard Wagner, BNSF at (206) 625-6152, 2454 Occidental Ave South, Suite 1A, Seattle, WA 98134-1451, Richard.Wagner@BNSF.com.

4. Cost Estimate and Contributions

The total project cost is estimated at \$13,000 and includes design and construction. The City of Vancouver will provide design and construction management services that are included in the estimate. BNSF will provide traffic control in their right of way.

5. Long Term Maintenance

Maintenance of the mountable median in BNSF right of way will be performed by the City.

6. Project Schedule

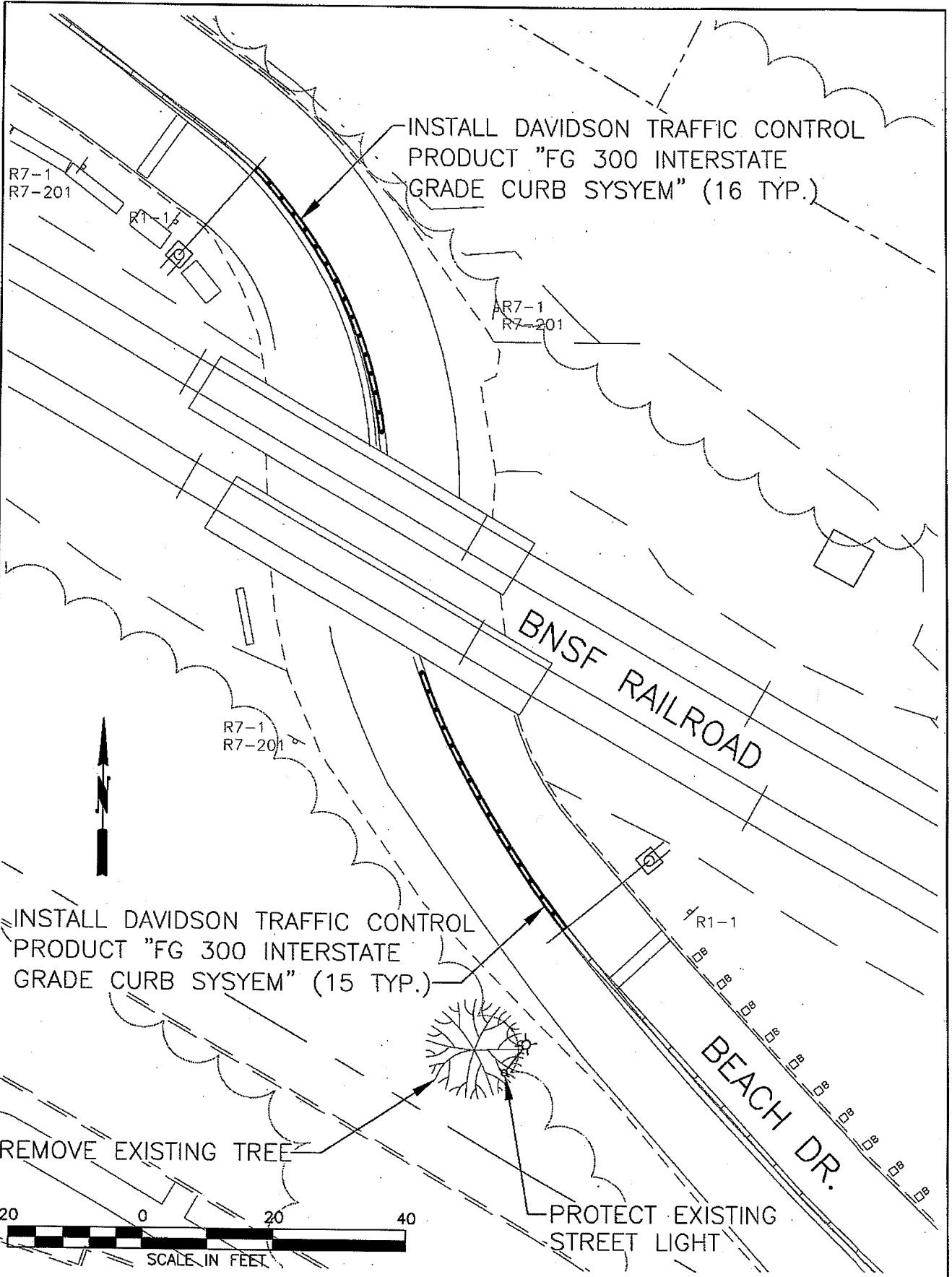
The project will be complete June 30, 2011.

7. Measure of Project Success

The project will be successful if vehicles are no longer getting stuck on the BNSF right of way at the Beach Dr crossing.

8. Other information

I:\PROJECTS\ACTIVE PROJECTS\71302 PROJECTS\GRANT APPLICATIONS\2010 BEACH DR RAIL CROSSING\XBASE.DWG 9/22/2010

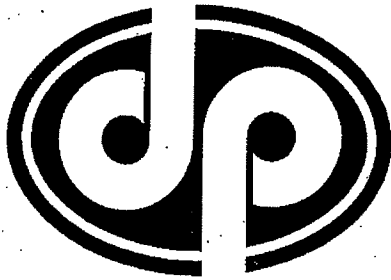


REV NO.	DATE	BY	APPR



CITY OF VANCOUVER
 BEACH DR. RAILROAD CROSSING
 CHANNELIZATION MODIFICATION

FIGURE
 1



DAVIDSON TRAFFIC CONTROL PRODUCTS
 BY FILTRONA EXTRUSION INC.
 3110 70TH AVE., EAST
 TACOMA, WA 98424
 TOLL FREE: 1 (877) 335-4638
 PHONE: (253) 284-8000
 FAX: (253) 284-8080
 www.davidsontraffic.com

DRAFT

- SELECT DESIRED POST
- EFX GRADE
- UR GRADE

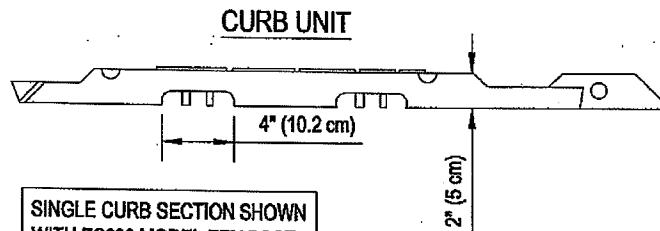
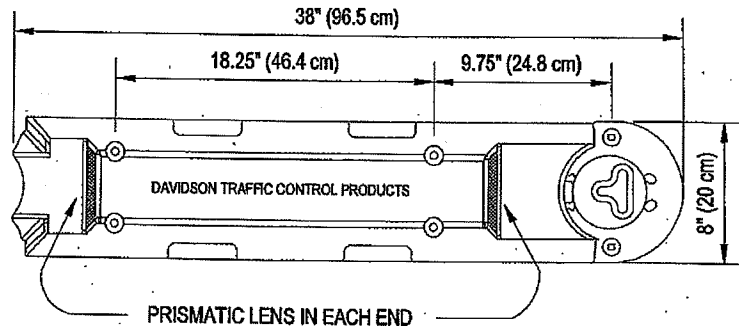
- SPECIFY DESIRED HEIGHT
- 18" 36"
- 24" 42"
- 28" 48"
- CUSTOM (SEE NOTE 4)

- SELECT DESIRED POST COLOR
- WHITE
- YELLOW
- ORANGE
- CUSTOM (SEE NOTE 3)

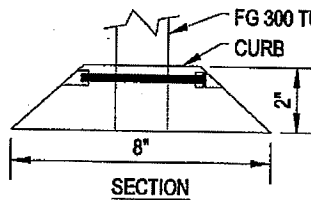
- SELECT DESIRED REFLECTIVE SHEETING
- REFLEXITE AR 1000
- 3M HIGH INTENSITY GRADE

- SELECT DESIRED SHEETING COLOR
- WHITE
- YELLOW
- BLUE
- CUSTOM (SEE NOTE 3)

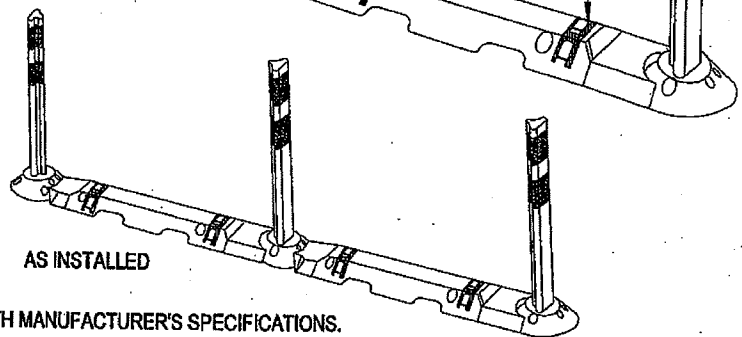
- SELECT DESIRED OPTIONAL VP
- 4" X 22" VERTICAL PANEL
- 8" X 33" VERTICAL PANEL



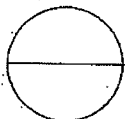
SINGLE CURB SECTION SHOWN WITH FG336 MODEL EFX POST AND 2 3"x9" AR1000 WRAPS



OPTIONAL REFLECTIVE ROAD STUDS APPLIED IN 6 PLACES



- NOTES:**
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 2. DO NOT SCALE DRAWINGS.
 3. POSTS AND REFLECTIVE SHEETING ARE AVAILABLE IN CUSTOM COLORS. CONTACT MANUFACTURER.
 4. FLEXI-GUIDE POSTS CAN BE CUT TO ANY LENGTH YOU DESIRE. CALL FOR DETAILS.
 5. POSTS MAY BE ORDERED W/ FACTORY APPLIED, HIGH INTENSITY OR PRISMATIC SUPER HIGH INTENSITY RETRO-REFLECTIVE SHEETING. SPECIFY TYPE, COLOR AND SIZE WHEN ORDERING.
 6. CONTRACTORS NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info REFERENCE NUMBER 644-036.



FG 300 INTERSTATE GRADE CURB SYSTEM



644-036

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www.CADdetails.com

Engineering MOW Trouble Tickets

Detail Ticket Listing

as of November 11, 2010

Date Range: 2004/11/01 thru 2010/11/11

Opening Code: 'no_selection'

Line Segment: 47

Beginning Milepost: 14

Ending Milepost: 14.45

Subdivision	Line Segment	Mile Post	Status Code	Ticket Date	Create Time	Last Update Date	Last Update Time	Opening Trouble Code	Opening Code Summary	Closing Category
Supv Last Name: OHS										
Supv Rollup: S3500										
FALLBRIDGE	47	14.00000	CLOSED	2006/03/05	04:47:40	2008/03/26	14:27:53	Vehicle.On Track	VAN Term: Failbridge Sub - MP 14.000	Track. Inspected No Exceptions
FALLBRIDGE	47	14.00000	CLOSED	2006/06/21	00:04:06	2008/03/26	14:29:37	Vehicle.On Track	VAN Term: Failbridge Sub - MP 14.000	Track. Inspected No Exceptions
FALLBRIDGE	47	14.00000	CLOSED	2009/04/08	18:45:58	2009/04/09	08:29:01	Vehicle.on Track	VAN Term: Failbridge Sub - MP 14.000	Track. Inspected No Exceptions
FALLBRIDGE	47	14.00000	CLOSED	2009/05/16	21:55:03	2009/05/17	04:51:24	Vehicle.on Track	VAN Term: Failbridge Sub - MP 14.000	Track. Inspected No Exceptions
FALLBRIDGE	47	14.02000	CLOSED	2006/08/08	13:18:55	2008/03/26	14:30:33	Other	VAN Term: 090072Y	Track. Off Track Maintenance Issue Resolved
FALLBRIDGE	47	14.02000	CLOSED	2007/04/23	01:39:05	2007/04/23	03:47:54	Vehicle.Hit by Train	VAN Term: 090072Y	Track. Inspected No Exceptions
FALLBRIDGE	47	14.02000	CLOSED	2008/06/14	01:06:30	2008/06/14	03:06:09	Vehicle.On Track	VAN Term: 090072Y	Track. Inspected No Exceptions
FALLBRIDGE	47	14.02000	CLOSED	2010/04/16	23:02:43	2010/04/18	00:37:32	Vehicle.on Track	VAN Term: Failbridge Sub - MP 14.020	Track. Inspected No Exceptions
FALLBRIDGE	47	14.02000	CLOSED	2010/06/23	04:24:27	2010/06/26	04:38:05	Vehicle.Fouling	VAN Term: Failbridge Sub - MP 14.020	Track. Inspected No Exceptions
FALLBRIDGE	47	14.10000	CLOSED	2004/11/30	22:34:46	2004/12/01	02:05:13	Vehicle.Vehicle Accident	VAN Term: Failbridge Sub - MP 14.100	Track. Inspected No Exceptions
FALLBRIDGE	47	14.10000	CLOSED	2005/04/01	14:08:56	2005/04/01	15:47:58	Bridge.Struck by Vehicle	VAN Term: Failbridge Sub - MP 14.100	Track. Inspected No Exceptions
FALLBRIDGE	47	14.10000	CLOSED	2005/07/12	21:15:02	2005/07/13	02:18:35	Vehicle.Hit by Train	VAN Term: Failbridge Sub - MP 14.100	Track. Inspected No Exceptions
FALLBRIDGE	47	14.10000	CLOSED	2007/05/28	10:17:12	2007/05/28	14:28:53	Vehicle.On Track	VAN Term: Failbridge Sub - MP 14.100	Track. Inspected No Exceptions
FALLBRIDGE	47	14.10000	CLOSED	2008/05/27	20:32:04	2008/05/27	21:38:45	Vehicle.Vehicle Accident	VAN Term: Failbridge Sub - MP 14.100	Track. Inspected No Exceptions