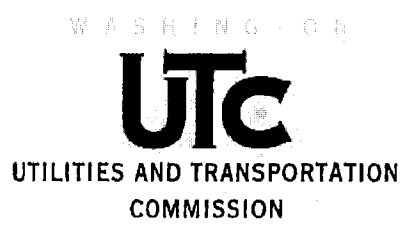


TR-130500



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.utc.wa.gov](http://www.utc.wa.gov)  
E-mail: [records@utc.wa.gov](mailto:records@utc.wa.gov)

*Revised*

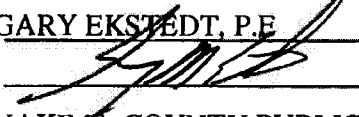
**GRADE CROSSING PROTECTIVE FUND  
2011 - 2013 GRANT APPLICATION  
OPEN CALL FOR PROJECTS**

2013 OCT 16 AM 10:01  
RECEIVED  
COMMUNITY DEVELOPMENT  
OFFICE

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 any attachments to the Commission.

**Applicant Information**

Applicant Name: GARY EKSTEDT, P.E.  
Signature:   
Organization: YAKIMA COUNTY PUBLIC SERVICES  
Address: 128 N 2<sup>ND</sup> STREET, COUNTY COURTHOUSE, 4<sup>TH</sup> FLOOR  
Phone: (509) 574-2300  
Email: GARY.EKSTEDT@CO.YAKIMA.WA.US  
Fax: (509) 574-2301

**Project Information**

Attach additional sheets as necessary 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.

## GCPF Application Form – Open Call for Projects

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.
3. A list of 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 the tracks, the applicant must submit the attached Railroad Commitment form completed by the railroad owning the crossing or tracks.

### **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](mailto: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 email at [khunter@utc.wa.gov](mailto:khunter@utc.wa.gov)
- David Pratt at (360)664-1100 or by email at [dpratt@utc.wa.gov](mailto:dpratt@utc.wa.gov)

GCPF Application Form - Open Call for Projects

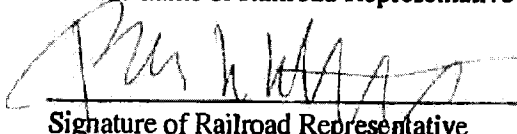
**Railroad Commitment**

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

We have reviewed the application and are satisfied that 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 WAGNER, (BNSF)**

Printed name of Railroad Representative



Signature of Railroad Representative

**MANAGER OF PUBLIC PROJECTS**

Title

(206) 625-6125

Phone

RICHARD.WAGNER@BNSF.COM

Email

Date:

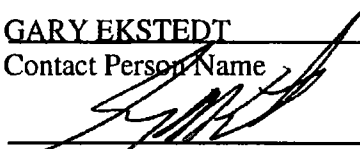
4/2/2013

WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

	)	DOCKET NO. TR-
	)	
<u>YAKIMA COUNTY PUBLIC SERVICES</u>	)	PETITION TO MODIFY HIGHWAY-
Petitioner,	)	RAIL GRADE CROSSING ACTIVE
	)	WARNING DEVICES AND
vs.	)	DISBURSEMENT OF FUNDS
<u>BNSF (RAILROAD)</u>	)	FROM THE GRADE CROSSING
Respondent	)	PROTECTIVE FUND
	)	
.....	)	USDOT CROSSING # 104518X
	)	

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

*Section 1 – Petitioner’s Information*

<u>YAKIMA COUNTY PUBLIC SERVICES</u>
Petitioner
<u>128 N. 2<sup>ND</sup> STREET, COUNTY COURTHOUSE 4<sup>TH</sup> FLOOR</u>
Street Address
<u>YAKIMA, WA 98902</u>
City, State and Zip Code
_____
Mailing Address, if different than the street address
<u>GARY EKSTEDT</u>
Contact Person Name

Contact Person’s Signature
<u>(509) 574-2300, GARY.EKSTEDT@CO.YAKIMA.WA.US</u>
Contact Phone Number and Email Address

**Section 2 – Respondent's Information**

<b>BNSF (RAILROAD)</b>
Respondent
<b>2454 OCCIDENTAL AVE., S., SUITE 1-A</b>
Street Address
<b>SEATTLE, WA 98134-1451</b>
City, State and Zip Code
Mailing Address, if different than the street address
<b>RICHARD WAGNER</b>
Contact Person Name
<b>(206) 625-6125</b>
<b>RICHARD.WAGNER@BNSE.COM</b>
Contact Phone Number and Email Address

**Section 3 – Crossing Location**

1. Existing highway/roadway <b>SOUTH TRACK RD. (WAPENISH ROAD)</b>
2. Existing railroad <b>BURLINGTON NORTHERN SANTA FE RAILROAD CO.</b>
3. USDOT Crossing No. <b>104518X</b>
4. Located in the ___ 1/4 of the ___ 1/4 of Sec. ___, Twp. ___, Range ___ W.M.
5. GPS location, if known <b>LAT: 46.3419305, LONG: -120.2568356</b>
6. Railroad mile post (nearest tenth) <b>67.54</b>
7. City <b>YAKIMA</b> County <b>YAKIMA</b>

**Section 4 – Current Highway Traffic Information**

1. Name of highway SOUTH TRACK ROAD (WAPENISH ROAD)

2. Road authority YAKIMA COUNTY

3. Average annual daily traffic (AADT) 850

4. Number of lanes 2

5. Roadway speed 50 MPH

6. Is the crossing part of an established truck route?      Yes  No

7. If so, trucks are what percent of total daily traffic? 1%

8. Is the crossing part of an established school bus route?    Yes  No

9. If so, how many school buses travel over the crossing each day? 2

10. Describe any changes to the information in 1 through 7, above, expected within ten years:

TRUCKS TO INCREASE TO 2% WITHIN THE NEXT 10 YEARS

\_\_\_\_\_

\_\_\_\_\_

**Section 5 – Current Crossing Information**

1. Railroad company BURLINGTON NORTHERN SANTA FE

2. Type of railroad at crossing  Common Carrier     Logging     Industrial  
 Passenger     Excursion

3. Type of tracks at crossing  Main Line     Siding or Spur

4. Number of tracks at crossing 1

5. Average daily train traffic, freight 10

Authorized freight train speed 55-60 MPH    Operated freight train speed 60 MPH

6. Average daily train traffic, passenger \_\_\_\_\_

Authorized passenger train speed \_\_\_\_\_    Operated passenger train speed \_\_\_\_\_

7. Describe any changes to the information in 1 through 4, above, expected within ten years:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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?

150 FEET  
\_\_\_\_\_  
\_\_\_\_\_

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.

EXISTING ROADWAY IS A REVERSIBLE CURVE WITH RADIUS LESS THAN 1000  
FEET







**Section 8 – Illustration of Proposed Warning Devices**

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

**Section 9 – Use of Surplus Equipment**

If surplus or used equipment is being installed as part of the project, please review the following statement and sign, accepting the terms and conditions.

“The recipient of surplus equipment voluntarily accepts the equipment as is. Proper installation and testing is required per Code of Federal Regulations 49, prior to activating the signal equipment. The recipient assumes full responsibility for functionality of the equipment.”

Name (print): \_\_\_\_\_  
Title: \_\_\_\_\_  
Company: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

**Section 10 – Project Cost Information**

1. Breakdown of estimated total cost.

**\$19,932.84** (SEE ATTACHED QUOTE)

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

NONE AVAILABLE

3. Provide the amount the applicant is requesting from the GCPF grant program.  
\$20,000

**Section 11 – Project Completion Date**

Project completion date: April 4, 2014

**Section 12 – Waiver of Hearing by Respondent**

**Waiver of Hearing**

The undersigned represents the Respondent in the petition to modify highway-rail grade crossing warning signals at the following crossing:

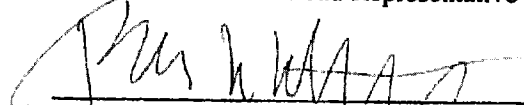
USDOT Crossing No. 104518X

We have investigated the conditions at the crossing. We are satisfied the conditions are the same as described by the Petitioner in this docket. We agree the warning signals should be modified and consent to a decision by the commission without a hearing.

Dated at Seattle, Washington, on the 2<sup>nd</sup> day of  
April, 20 13.

**RICHARD WAGNER**

Printed name of Railroad Representative



Signature of Railroad Representative

**MANAGER OF PUBLIC PROJECTS**

Title

(206) 625-6125

Phone number and e-mail address

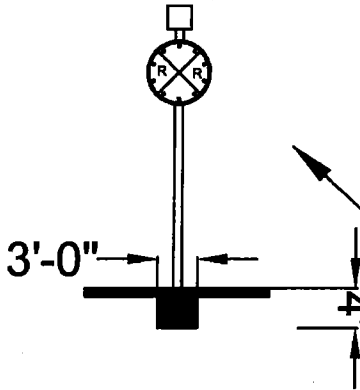
**RICHARD.WAGNER@BNSF.COM**

**BNSF, 2454 OCCIDENTAL AVE., S., SUITE1-A, SEATTLE,  
WA 98134-1451**

Mailing address

36" LED Blinking  
SOLAR  
POWERED SIGN  
(Constant Flash)

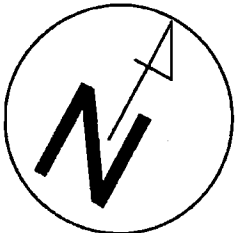
PROPOSED FLASHER



BNSF R/R TRACKS

PARTON RD.

SOUTH TRACK RD.



EXISTING R/R FLASHING RED  
(BNSF)



BNSF  
CABINET

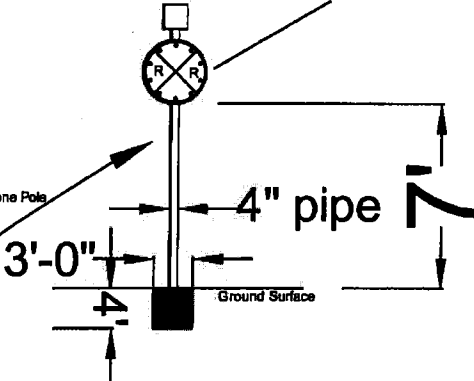


EXISTING R/R FLASHING RED  
(BNSF)



36" LED Blinking  
SOLAR  
POWERED SIGN  
(Constant Flash)

PROPOSED FLASHER



Existing gas line

Telephone Pole



**KNOBEL'S ELECTRIC, INC.**

801 TENNANT LANE  
YAKIMA, WA 98901  
PHONE (509) 452-9157  
FAX (509) 453-1460

**QUOTATION**

TO: YAKIMA COUNTY PUBLIC SERVICES

DATE: OCTOBER 2, 2013

ATTN: MALIK REHMAN

RE: TRACK ROAD RR SIGNS

FAX: 574-2301

Gentlemen:

We herewith submit our quotation on the above named job. The proposal as shown in this quotation is taken from the plans and specifications of the above named job as of the date of issue. If addenda have been made to the specifications which is directed to and affects the proposal made below, the quotation will make note as to covering same. This quotation is subject to strikes, accidents or causes beyond our control, and to terms and condition of a performance contract.

LABOR, MATERIALS, AND EQUIPMENT TO PROVIDE ELECTRICAL WORK AS FOLLOWS:

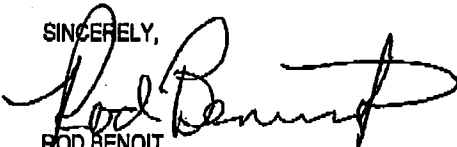
- PROVIDE ELECTRICAL PERMIT
- INSTALL 2 CONCRETE BASE ASSEMBLIES
- INSTALL 2 SOLAR ASSEMBLIES WITH SIGN AND POST PACKAGE
- PROVIDE GROUNDING

LUMP SUM - \$7,349.00

NOTE: OUR PRICE DOES NOT INCLUDE SALES TAX.

NOTE: SOLAR ASSEMBLY, SIGN AND POST PACKAGE TO BE FURNISHED BY YAKIMA COUNTY.

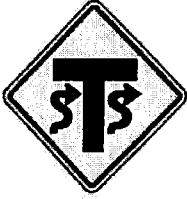
SINCERELY,



ROD BENOIT  
ESTIMATOR

AN EQUAL OPPORTUNITY EMPLOYER

Quotation is for acceptance within \_\_\_\_\_ days from above date.



**TRAFFIC SAFETY SUPPLY CO., INC**

2324 SE UMATILLA ST.  
PORTLAND OR 97202-7495  
503 235-8531  
800-547-8518  
FAX# 503-235-5112

**QUOTATION**

**QUOTE#:** 975459  
**DATE:** 10/01/2013  
**TERMS:** NET 30 DAYS  
**FREIGHT:** FOB YAKIMA

email: sales@tssco.com

**CONTACT NAME MALIK REHMAN**

2408

**Billed To: YAKIMA COUNTY PUBLIC WORKS**  
128 N 2ND ST, 4TH FLOOR  
YAKIMA WA 98901

**Ship To: YAKIMA COUNTY PW**  
1216 S 18TH ST  
YAKIMA WA 98901

**QUOTE ENDS: 30 DAYS**

**PHONE # (509) 574-2493**

**FAX #509 574-2301**

<u>PART#</u>	<u>QTY</u>	<u>SIZE</u>	<u>ITEM</u>	<u>BID</u>	<u>U/M</u>
14845550	2.000	36"	W10-I RAILROAD ADVANCE WARNING BLINKERSIGN, SOLAR  POWERED, INCLUDES:  36" BLINKER SIGN WITH SOLAR PANEL, BATTERY PACK,  MATCHING LED'S AROUND FACE OF SIGN, DIAMOND GRADE  CUBED SHEETING, FLASHES 24/7	\$1,650.00	EA
16500825	4.000	SET	4.5" PIPE SIGN POST BRACKETS DOUBLE SIDED	\$20.15	EA
	2.000	EA	14' 4.5" OD ALUM POST PACKAGE (INCLUDES THE FOLLOWING)	\$485.00	EA
12605025	1.000	14 FT	PIPE POST, 4.5" O.D. ALUM, SCH 40, THREADED		
12603100	1.000	EACH	PEDESTAL BASE, #203-00014		
12604100	4.000	EACH	J BOLTS (GALV. ANCHOR BOLTS) 3/4 X 18 X 4 X 6		
12604200	8.000	EACH	GALVANIZED HEX NUT, 3/4"		
12604300	8.000	EACH	GALVANIZED PLATE WASHER, 3/4" X 3"OD X 1/4"		
12603150	1.000	EACH	TEMPLATE FOR J-BOLT, ALUMINUM		

(\*16' POST AVAILABLE UPON REQUEST)

All material used in this contract is guaranteed to be as specified, and the entire job is to be done in a neat and workmanlike manner. Any deviation or alteration from the specification herein agreed upon involving extra cost of labor and/or materials will be accepted only upon a written order or instructions, and will become an extra charge over costs as mentioned in this contract.

**TRAFFIC SAFETY SUPPLY CO., INC.**

AMY

Service Quote

Continued...

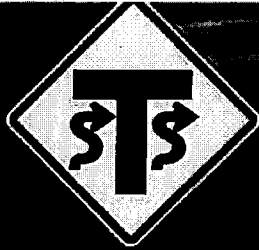
Invoice#: 975459

Date: 10/01/2013

<u>PART #</u>	<u>QTY</u>	<u>SIZE</u>	<u>ITEM</u>	<u>BID</u>	<u>U/M</u>
			SUBTOTAL:	\$4,350.60	
	1.000		DES MANAGEMENT FEE (.74%):	\$32.20	
			TAX (8.2%):	\$356.75	
			TOTAL:	\$4,739.55	

\*PRICING REFLECTS DISCOUNT ALLOWED ON  
WA STATE CONTRACT #02612 FOR INTELLIGENT  
TRANSPORTATION SYSTEM EQUIPMENT 2. THIS  
IS A DELIVERED PRICE TO YAKIMA, WA.





# TRAFFIC SAFETY SUPPLY COMPANY

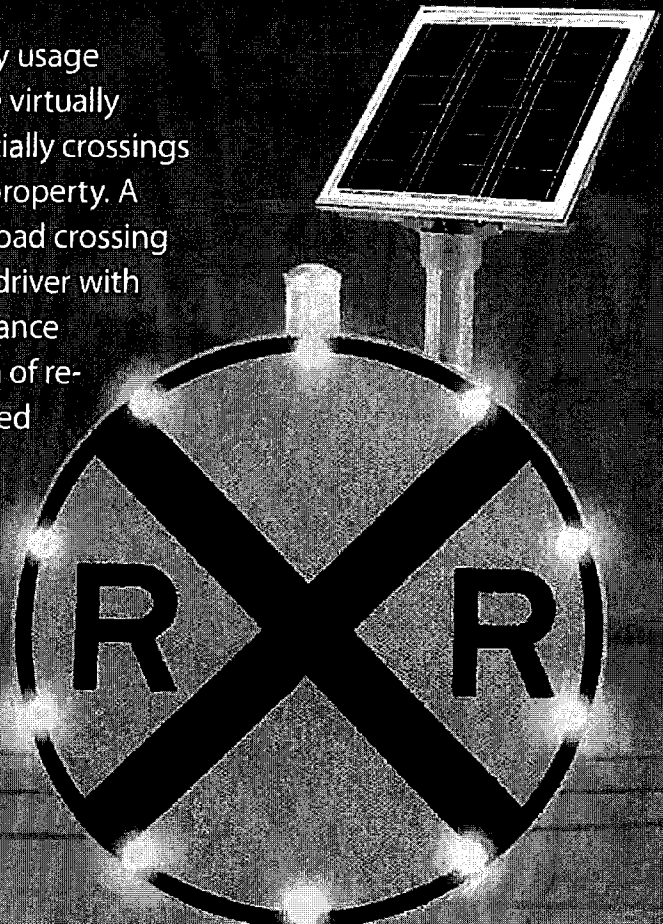
Your Traffic Sign & Supplies Resource Since 1956

## W10-1 Railroad Crossing BlinkerSign® LED-enhanced sign

- MUTCD Compliant
- Solar powered, no electric bills
- Place in any location
- Virtually maintenance free
- Energy-efficient 14 watt solar panel
- 30 day autonomy
- Patented AutoBright™ circuitry automatically adjusts brightness levels



Infrequently or low frequency usage railroad crossing can become virtually ignored by daily traffic, especially crossings on plant grounds or private property. A BlinkerSign® flashing LED railroad crossing sign grabs the attention of a driver with bright flashing LEDs. The advance warning also gives the option of re-routing with enough advanced notice. Whether right at the track or as an advance warning, a BlinkerSign® gives a dangerous railroad crossing the necessary warning it deserves.

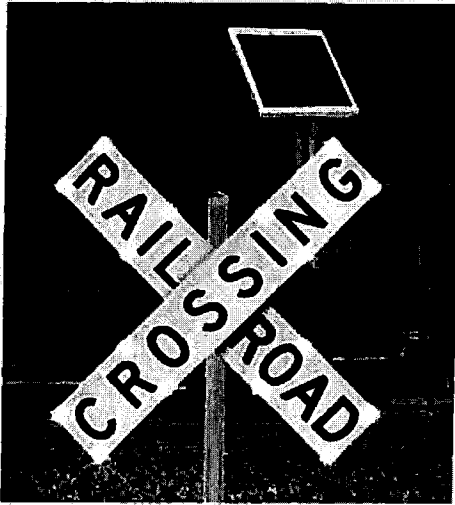


### Optional BlinkerBeam® Wireless Communication

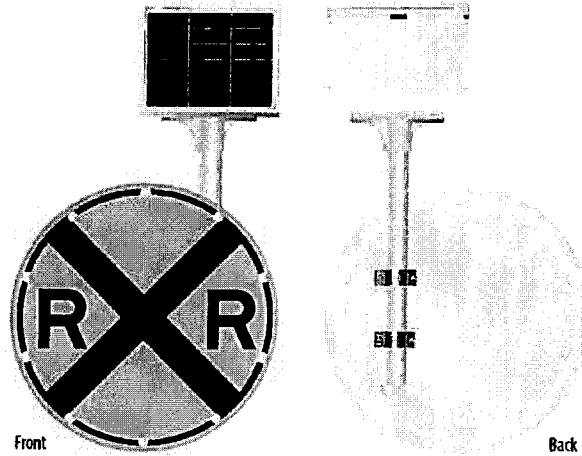
W10-1 Railroad BlinkerSign Warning Systems can consist of two BlinkerSign® units, one on each side of the railway. When activated, the signs communicate wirelessly with each other through a BlinkerBeam® wireless transmitter. Instantly both BlinkerSign® LEDs are flashing in unison, warning traffic in both directions

### Optional Vehicle Sensor

A low power draw Digital Signal Processing (DSP) based K-band radar for ITS sign activation and traffic calming. 300+ feet typical detective range for a compact vehicle.



R15-1 "Railroad Crossing" crossbuck and R8-8 Do Not Stop On Tracks LED-enhanced BlinkerSign® models also available



Standard specifications (subject to change without notice)

#### Sign Specification- Custom

Sign Substrate	.080 Highway Grade Aluminum
Reflective Sheeting	3M™ DG3™
MUTCD Compliance	MUTCD Section 2A.07 Compliant

#### Day-Viz™ Management System (patent pending)

Battery	Nickel Metal Hydride (NiHM)- 14,000mAh
Battery Lifespan	Up to 5 years
Autonomy- Functionality without Charge	Up to 30 days in 24/7 operation
Flash Pattern	MUTCD Compliant
LED Type	(10X) High Power Luxeon- 1 watt
LED Life Expectancy	Over 100,000 hours

#### Warranty

2 year standard warranty

#### Smart Activation Options

24/7 continuous,
Time dock (Windows-based software programmable)
Wireless control
Vehicle detection

### BlinkLink™ Web-based Traffic Device Monitor & Control

Monitor BlinkerSign® and other ITS device status from any web-enabled computer with this optional software. Comprehensive management of all device settings, schedules and messages. Near-time information allows you to respond immediately to changing situations.

#### User-identified E-mail & Text Alerts

- Select recipients for automated e-mail or text alerts based on battery levels dropping below pre-set thresholds.

#### Automated Data Analysis & Reporting

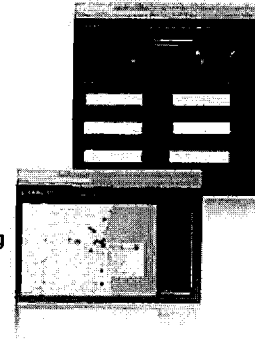
- Automatic data sort provides comprehensive reports
- Easily identify positive and negative trends for actions
- Prioritize your resources with instant information
- Quickly review histories of equipment and events

#### Traffic Data Retrieval & Management

- Automatically upload data for recall and subsequent reporting
- Systematic data organization for convenient review

#### Mapping

- View your equipment on an interactive map
- Review device status, reports and modify settings



[www.tssco.com](http://www.tssco.com)

TRAFFIC SAFETY SUPPLY COMPANY

2324 S.E. Umatilla st Portland, OR 97202 Phone 800-547-8518 or 503-235-8531 Fax 503-235-5112

W10-1 Railroad Crossing BlinkerSign® LED-enhanced Sign