

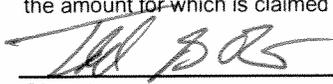
QUADCO RTPO - UPWP Project Reimbursement Request

Requesting Agency	Adams County Public Works
Address	210 W. Alder
City / State / Zip	Ritzville, WA 99169

Period Covered: July 1, 2009 through June 2010	Request No.
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Project Work and/or Task Description	Expense Detail (Give Brief Description of Accomplishments AND attach supporting documentation)	Total Eligible Expenditures This Period
Purchase Traffic Sign Retroreflectometer	Purchase Retroreflectometer with Telescopic Arm from Professional Pavement Products, Inc. - Invoice, Adams County Warrant and Product Summary attached .	\$10,970.00
Total Claimed this Period		\$10,970.00

I certify that the costs shown in this voucher are true and correct; the amount claimed is due and payable from the QUADCO RTPO Unified Planning Work Program budget under applicable laws, rules, regulations and procedures; no claim has been presented to or payment made for the amount for which is claimed herein; and does not exceed the approved allocation for this project, and I am authorized to sign for claimant.

	<i>Director of Public Works</i>	<i>10/27/09</i>
Signature	Title	Date

LEAD AGENCY USE ONLY	
Checked and Approved for Payment by:	Date



Professional Pavement Products, Inc
 9556 Historic Kings Rd S #315
 Jacksonville FL 32257
 904-733-2121
 www.pppcatalog.com

Invoice

Date	Invoice #
9/22/2009	66223

Bill To	Ship To
Adams County Public Works Department 210 W. Alder Ritzville WA 99169	Adams County Public Works Department 210 W. Alder Ritzville WA 99169

Customer ID	Terms	Due Date	PO #
A324-Adams County Public Works Dep...	09-Gov't PO Net 30 Days	10/22/2009	20318

Sales Rep	Job Location	Note -
05-Steven Norkus		

Ship Via	Ship Date	Tracking Number
UPS Ground 1	9/22/2009	0368869451/69626667

Item	Quantity	Description	Disc. Price	Amount
13-7-2A	1	SIGN RETROREFLECTOMETER PREMIUM-922 Top of the line retroreflectometer for asuring traffic signage meets ASTM CIE & Din specifications reducing exposure to tort liability.Built in GPS for pinpoint reading locations.Built Barcode reader 4500 readings digital liquid-crystal touch screen display	9,450.00	9,450.00
13-7-2-3	1	SIGN RETROREFL TELESCOPIC ARM - Designed to reduce fatigue and the need of a ladder when taking readings on taller traffic signs.	1,350.00	1,350.00

Thank you, we appreciate your business.	Subtotal	10,800.00
	Shipping Cost (UPS Ground 1)	170.00
	Total	\$10,970.00

Florida - RDC
 9556 Historic Kings Rd S
 Suite 315
 Jacksonville, FL 32257
 Ph: 904.733.2121
 Fx: 904.733.8800

Charlotte Branch
 1955 Scott Futrell Dr
 Charlotte NC 28208
 Ph: 704-697-9577
 Fx: 704-697-9576

Miami Branch
 10250 NW 89th Ave
 Unit 1
 Medley FL 33178
 Ph: 305-264-3242
 Fx: 305-885-4273

Orlando - Branch
 6441 Pinecastle Blvd
 Orlando, FL 32809
 Ph: 407.888.2080
 Fx: 407.888.2425

Texas - RDC
 3377 West 11th St
 Houston, Tx 77008
 Ph: 713.864.0906
 Fx: 713.864.0833

ADAMS COUNTY PUBLIC WORKS VOUCHER
 COUNTY ROAD

COUNTY OF ADAMS, WASHINGTON

PROFESSIONAL PAVEMENT PRODUCTS
 9556 HISTORIC KINGS RD S #315

JACKSONVILLE, FL 32257

WARRANT NO 107428X

DATE 10/12/09

VOUCHER NO 003059

Date	Inv No	Description	Budget Account No.	Amount
09/22/2009	66223	REFLECTOMETER / CB	115-007-001-544-20-49-00	\$10,970.00

Voucher Total: \$10,970.00

I, the undersigned, do hereby certify under penalty of perjury, that the materials have been furnished, the services rendered or the labor performed as described herein, and that the claim is a just due and unpaid obligation against Adams County, and that I am authorized to authenticate and certify to said claim.

PUBLIC WORKS DIRECTOR _____

DATE 10/13/2009

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BOARD OF COUNTY COMMISSIONERS

Model 922 Handheld Sign Retroreflectometer

PRODUCT SUMMARY

The RoadVista model 922 is a handheld sign retroreflectometer designed for use in the field. It is designed to measure the retroreflection (R_A) of road signs and other materials.

Since a significant portion of the vehicles on the road in the USA are now SUVs and pickup trucks, ASTM has drafted a specification to require measurements to be performed at an observation angle of 0.5 degrees. The 922 is the perfect instrument for this change-over. Utilizing the ASTM standard "annular" geometry, the 922 measures observation angles of 0.2 and 0.5 degrees simultaneously, with an entrance angle of -4 degrees. This patent-pending design allows you to know, with the press of a button, exactly how bright your sign will appear to most drivers. Plus, the annular geometry means you will not have to take an average of two measurements with prismatic-type materials, further simplifying the measurement process. A European version is available with a standard 0.33-degree observation angle and +5-degree entrance angle.

The model 922 comes standard with an internal global positioning system (GPS) and an internal barcode reader. The internal memory has the capacity to store more than 4500 measurements. Uploading the data to a computer is easy with the USB interface.

The sensitive light sensor meets ASTM E1709 requirements with the CIE standard human eye response in conjunction with the CIE illuminant "A" lamp. Our world-class photometric filter fit is unmatched by the competition and allows extremely accurate measurements of other colors using the single white reference standard with no correction factors.

If field measurement is needed for high-mounted traffic signs, the Model 907-22 extension pole kit is recommended.



FEATURES

- Measures all types of retroreflective materials with a single measurement
- Meets ASTM, CIE & DIN specifications
- Utilizes annular measurement geometry – no averaging of measurements on micro-prismatic material necessary
- Dual observation angles of 0.2° and 0.5° for simultaneous measurements
- World-class photopic-corrected detector and source "A"
- Requires only one reference standard without any correction factors
- Self-contained commercially available battery
- Digital liquid-crystal touch-screen display
- Built-in GPS
- Built-in barcode reader
- USB Computer Interface
- Built-in averaging
- Internal storage for approximately 4500 measurements
- Foam-lined carrying case
- Optional extension pole kit with IrDA remote control



8581 Aero Drive, San Diego, CA 92123 Ph (858) 279-6044 Fax (858) 576-9286

Website: www.RoadVista.com

Model 922 Handheld Sign Retroreflectometer

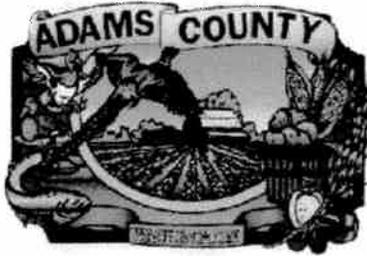
SPECIFICATIONS

Geometry	ASTM E1709 Annular geometry
Entrance Angle	-4 degrees (Optional +5 degrees)
Observation Angle	0.2 and 0.5 degrees (Optional 0.33 degrees)
Light Source Angular Aperture	0.1 degrees
Receiver Angular Aperture (annular)	0.1 degrees
Field of Measurement	1 inch (25mm) diameter spot
Specifications	
Range (cd/lx/m ²)	0-2000
Data Memory	> 4500 measurements
Computer Interface	USB
Power Supply	Removeable 12 VDC, 2.4 Ah Ni-Cd battery (DeWalt P/N DC9071)
Charger	Standard 110 VAC, 60 Hz Optional 220 VAC, 50 Hz Optional 12 VDC with cigarette lighter adaptor
Operating Temperature	0°C to 50°C (32°F to 122°F)
Operating Humidity	0 to 90% non-condensing
Dimensions	
Length	Approx. 11.5 inches (290 mm)
Width	Approx. 4.5 inches (115 mm)
Height	Approx. 12.75 inches (325 mm) with battery
Weight	Approx. 5.9 lbs (2.7 kg) with battery
Standard Accessories	Additional Options
Carrying Case	Annual Calibration Service
Measurement Area Reducers	Adjustable Entrance Angle Attachment
110 or 220 VAC Battery Charger	12 VDC Car Battery Charger
Two (2) Batteries	Extension Pole Kit
Calibration Standard	
Calibration Certificate	
Windows Software with Mapping	



8581 Aero Drive, San Diego, CA 92123 Ph (858) 279-6044 Fax (858) 576-9286

Website: www.RoadVista.com



DEPARTMENT OF PUBLIC WORKS

OFFICE OF THE DIRECTOR
AREA CODE 509 659-3276

210 WEST ALDER • RITZVILLE, WASHINGTON 99169

October 27, 2009

QUADCO Lead Agency
Grant County
Department of Public Works
124 Enterprise St. SE
Ephrata, WA 98823

RECEIVED

OCT 28 2009

GRANT CO. PUBLIC WORKS

RE: Adams County QUADCO RTPO – UPWP Project Reimbursement Request

Dear Sir,

Adams County recently purchased a Retroreflectometer and is requesting reimbursement. Attached are the QUADCO RTPO – UPWP Project Reimbursement Request, Invoice from Professional Pavement Products, Inc., Adams County Warrant and Product Summary.

If you have any questions, please feel free to call.

Sincerely,

A handwritten signature in cursive script that reads "Clint W. Biggar".

Clint Biggar
Engineering Supervisor

CWB/cb

CC: Retroreflectometer purchase file