

1825 Earl Core Road Morgantown, WV 26505 Local Phone: 304-292-1307 Toll Free: 888-292-1305 Fax: 304-292-6641 www.lhjones.com

November 14, 2007

Mr. Michael Austin State of West Virginia Department of Administration Purchasing Division 2019 Washington Street East P.O. Box 50130 Charleston, WV 25305-0130

Dear Mr. Austin:

This letter, included as part of L.H. Jones Equipment Company's response to RFQ# 708EC006 serves to address issues of the RFQ which are at the option of the successful bidder as well as indicate LH Jones Equipment Company's full compliance to the specification.

First, as per Exhibit 6, L.H. Jones Equipment Company hereby requests a Price Adjustment Provision as per the RFQ. As stated in the RFQ, the price adjustment provision will cover "both upward and downward movement" and any adjustments will be "based on the 'pass through' increase or decrease of raw materials and/or labor." Any adjustments that are submitted will be as an "actual dollar figure" as described.

Second, as per Exhibit 4, L.H. Jones Equipment Company hereby declines to extend bid prices, terms, and conditions of the bid to county, school, municipal and other local government bodies. Unfortunately, the low volume purchases typically made by such agencies do not allow the manufacturer to recoup their costs associated with such purchases.

In addition, the unit with which LH Jones Equipment Company is responding to the specification complies fully to every specification. Any indication contrary to the specification on any of the bid documents is a mistake and must be disregarded.

If you have any questions or require additional information, please do not hesitate to contact me at your convenience.

Regards,

Leonard "Len" Hancock Jr.

Vice President



State of West Virginia Department of Administration Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

Request for Quotation

708EC006

PAGE

ADDRESS: CORRESPONDENCE TO ATTENTION

MICHAEL AUSTIN 304-558-2402

8 H P T O

DIVISION OF HIGHWAYS
EQUIPMENT DIVISION
ROUTE 33
BRUSHY FORK ROAD
BUCKHANNON, WV
26201 304-4

304-472-1750

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GENERAL TERMS & CONDITIONS REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

- 1. Awards will be made in the best interest of the State of West Virginia.
- 2. The State may accept or reject in part, or in whole, any bid.
- 3. All quotations are governed by the West Virginia Code and the Legislative Rules of the Purchasing Division.
- 4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125.00 registration fee.
- 5. All services performed or goods delivered under State Purchase Orders/Contracts are to be continued for the term of the Purchase Order/Contract, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
- 6. Payment may only be made after the delivery and acceptance of goods or services.
- 7. Interest may be paid for late payment in accordance with the West Virginia Code.
- 8. Vendor preference will be granted upon written request in accordance with the West Virginia Code.
- 9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
- 10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
- 11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
- 12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
- 13. BANKRUPTCY: In the event the vendor/contractor files for bankruptcy protection, this Contract may be deemed null and void, and terminated without further order.
- 14. HIPAA Business Associate Addendum The West Viginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (http://www.state.wv.us/admin/purchase/vrc/hipaa.htm) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Covered Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.

INSTRUCTIONS TO BIDDERS

- 1. Use the quotation forms provided by the Purchasing Division.
- 2. SPECIFICATIONS: Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as EQUAL to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
- 3. Complete all sections of the quotation form.
- 4. Unit prices shall prevail in cases of discrepancy.
- 5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
- 6. BID SUBMISSION: All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications.

SIGNED BID TO:

Department of Administration Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130



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RFQ COPY

TYPE NAME/ADDRESS HERE

State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Rev 50120 Post Office Box 50130 Charleston, WV 25305-0130

708EC006

ADDRESS:CORRESPONDENCE TO ATTENTION:OF

MICHAEL AUSTIN 304-558-2402

DIVISION OF HIGHWAYS **EQUIPMENT DIVISION** ROUTE 33 BRUSHY FORK ROAD BUCKHANNON, WV

26201

304-472-1750

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Department of Administration
Purchasing Division
2019 Washington Street East
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Charleston, WV 25305-0130

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Request for Quotation 708EC00

708EC006

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MICHAEL AUSTIN 304-558-2402

DIVISION OF HIGHWAYS **EQUIPMENT DIVISION** ROUTE 33 **BRUSHY FORK ROAD** BUCKHANNON, WV

26201

304-472-1750

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Request for Quotation 708EC006

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DIVISION OF HIGHWAYS **EQUIPMENT DIVISION** ROUTE 33 BRUSHY FORK ROAD BUCKHANNON, WV 26201

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ADDRESS CORRESPONDENCE TO ATTENTION OF MICHAEL AUSTIN 304-558-2402

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DIVISION OF HIGHWAYS **EQUIPMENT DIVISION** ROUTE 33 BRUSHY FORK ROAD BUCKHANNON, WV 26201 304-472-1750

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State of West Virginia Department of Administration Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

Request for RECOUMBER 708EC006

708EC006

ADDRESS:CORRESPONDENCE:TO ATTENTION OF

MICHAEL AUSTIN 304-558-2402

DATE PRINTED TERMS OF SALE SHIP VIA F.O.B. FREIGHTTERMS

DIVISION OF HIGHWAYS **EQUIPMENT DIVISION** ROUTE 33 BRUSHY FORK ROAD BUCKHANNON, WV 26201

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Request for Quotation

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MICHAEL AUSTIN

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DIVISION OF HIGHWAYS EQUIPMENT DIVISION ROUTE 33 BRUSHY FORK ROAD BUCKHANNON, WV

26201

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10/31/2007 BID OPENING DATE: 11/27/2007 BID OPENING TIME 01:30PM LINE QUANTITY UOP ITEM NUMBER UNIT PRICE AMOUNT THIS IS THE END OF REQ ***** 708EC006 ***** TOTAL: SEE REVERSE SIDE FOR TERMS AND CONDITIONS SIGNATURE DATE TITLE ADDRESS CHANGES TO BE NOTED ABOVE

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

NOTE: Vendor should type Bidder's Evaluation Report DIVISION OF HIGHWAYS EQUIPMENT DIVISION

BIDDER'S EVALUATION REPORT

PROCUREMENT SPECIFICATIONS FOR OPEN END CONTRACT NO. 839-1-K

OPEN END CONTRACT TRAILER MOUNTED, SOLAR POWERED ELECTRIC ARROWBOARD

NOTE TO BIDDER: Procurement Specification No. 839-1-K, Paragraph 2.0 recommends the completion and submittal of this Report with your bid. Purpose of this Report is to enable the West Virginia Division of Highways Evaluation Committee to make full and fair evaluation of the bid. Addendums in order, along with exception sheets, should be with Bidder's Evaluation Report.

FAILURE TO SUBMIT THIS REPORT, COMPLETE IN ITS ENTIRETY, MAY SUBJECT THE BIDDER TO DISQUALIFICATION.

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Reference Requisition No.:	
Bidder's Name: LH Jones Equipment Cv.	
Address: 1825 EARL CONE Rd., Margantan, UN 76505	
Telephone Number: 304 797 (307	
Years Bidder has been registered to do business with the State of West Virginia:	YRS.
Years Company has been an authorized dealer for proposed unit:	YRS.
3.2 Have you complied with all mandatory specifications? YESNO	
4.2 DELIVERY: 4.2.1 Delivery date of completed representative unit: 20 Calendar Days After	
Receipt of Purchase Agreeme	at
4.2.2 Delivery date of balance of completed units: Calendar Days After Receipt of	
Purchase Agreen	pent

X5.0	AWARD CRITERIA;		
X5.1	Prices for unit in quantities of	1-10	3960.00 per unit
		11-20	4460.00 per unit
		21 and over	4860 : (1) per unit
X6.0 X6.1	SPECIFICATIONS - GENERAL Manufacturer, model, series, and date of manufa	acture of propos	sed unit:
	TRAFCON, TCI-15,5, TCI, 20	PR	UDUCTION
	Is descriptive literature, fully describing proposed	unit attached to y	vour bid? YES NO
	If not, why? Literature depicts standar to Cily comply with 7	k mit. Bi	specifications.
X6.2	Will the required number of service manuals, as Equipment Division at Buckhannon upon comp	nd complete par	ts list be delivered to the y of total units?
		•	YES NO
	Will the required Equipment Preventive Mainte	enance Form (S	ection X6,2 of Bidders Evaluation
	Report) be provided upon inspection of the pilot		X YES NO

EQUIPMENT PREVENTATIVE MAINTENANCE QUESTIONNAIRE

THIS FORM MUST BE COMPLETED IN ITS ENTIRETY BY SUCCESSFUL BIDDER OR MANUFACTURER'S TECHNICAL REPRESENTATIVE PRIOR TO DELIVERY OF PILOT MODEL TO THE WVDOH.

DESCRIPT	TON:		MAKE:			
M	ODEL:		YEAR:	PU	RCHASE AMOUNT	·
	COOLING SYSTE	M CAPACITY: _				
BELTS:	DESCRIPTION:			PART NUM	MBERS:	
GVW:		AXLE CAPAC	ITY: FRONT:		-	REAR:
TIRES:	FRONT MAKE &	SIZE:			·····	
	REAR MAKE & S	IZE:			Warrange -	
DIMENSIO	ONS OF UNIT:	LENGTH:		WIDTH:_		LENGTH:
VENDOR (CONTACT PERSON	T:			PHONE:	
PARTS:						
BATTERV	MAKE		MODEL:		CCA:	
TOP OR SI	DE POST:	· 	DIMENSIONS	: LENGTH_	WIDTH	HEIGHT
SPARK PL	UGS OR FUEL INJE	ECTORS MAKE:		PART#		
FUEL PUM	IP OR INJECTION I	PUMP MAKE:		MODEL: _		
ALTERNA	TOR MAKE:			PART#:		
STARTER	MAKE:			PART #:		
TURBO CI	HARGER MAKE:			PART #:		
TRANS. M	[AKE:	MODI	EL:		AUTO/MANUA	.L:
HYDRAUI	LIC PUMP MAKE: _			MODEL: _		L:
FILTERS	MAKE	PART NO.	LUBE	CANT	MANUFACTU	JRER TYPE
OIL			ENGI	NE		
	R			ISMISSION		
Δ IR OH (CH	€R		POW	ER STEERING	}	4
FUEL PRII	MARYONDARY		HYDI	RAULIC		
FITEL SEC	ONDARY		DIFFI	ERENTIALS		
COOLANI	Γ		BRAK	E FLUID		
HYDRAUI			COOI			
OTHER			OTHE		*	
~ * * * * * * * * * * * * * * * * * * *						

X6.3	TRAINING:
	Will training seminar be conducted on Preventive Maintenance, Operator and Mechanic Training YESNO
	Will you conduct training with each purchase order against this open end contract? YESNO
	Will training be conducted within 2 working days from the delivery of the pilot unit on the individual purchase order? YESNO
	If NO, explain time frame
	Will an Operator's Manual be furnished directly to Letha Lamb, Training Academy prior to the delivery of the pilot? YESNO
X6.4	If you are the successful vendor, will you furnish all training aids, i.e., videos, projectors, required in conducting the training? YESNO
X6.4.1	Will all manuals, booklets, etc. explaining preventive maintenance, operator procedures, and service schedule be delivered with each unit?XYESNO If NO, explain
X6.5	WARRANTY AND SERVICE POLICY
	Will the warranty and service you provide comply with all areas as stated in Section 6.5 of specifications YESNO
	Is warranty literature attached? YESNO
	Is a minimum two (2) year bumper to bumper basic parts and labor warranty included?
	Describe: See Attacher. The attacher statement
	indicates I year while a zyon warms - parts & lason -
	indeates I year while a zyr warsh parts & lasor. is provided to fully comply with the RFQ specification.

X6.5 WARRANTY AND SERVICE POLICY QUESTIONNAIRE

THIS FORM MUST BE COMPLETED IN ITS ENTIRETY BY THE SUCCESSFUL BIDDER OR MANUFACTURERS TECHNICAL REPRESENTATIVE PRIOR TO DELIVERY OF PILOT MODEL TO THE WVDOH (If additional lines are needed, make copies of form.)



1. Def	ine the terms of the standard	warranty. If not offered, so state. (Attach copy)
<u> </u>	1 1 1	
2. Def	facturer's representative fact	erformed at DOH facilities and warranty service to be performed at lity. List name and location of manufacturer's representative. See to be Performed at manufacturer's representative: At Co., 1825 EARL CORE Rd., Morganium www 2656
levels	locations for parts inventoring if known. H Jows Equip Co. 1825 Eac. Cons	
4. Du	merger ten, 100/2 ing the term of warranty, lis hat bidder will sell the parts	t the guarantee discount to manufacturer's published list price for
B. C.	Terms: Net 60 Man	ufacturer's published list price less:% discount ufacturer's published list price less:% discount
	ring the term of warranty, wi on of Highways?	ll all manufacturers or engineering improvements be submitted toYESNO
6. Du	ring the term of warranty, lis	t the guaranteed rates charged for repair to the unit.
A.	Shop Rate	\$ 60 per mechanic hour
В.	Travel Time Charge (Specify if one-way)	\$ 60 per mechanic hour ; port to port
C.	Mileage Charge (Specify if one-way	\$; port to port
D.	Field Mechanic Rate	\$60 per mechanic hour
E.		prices are in effect: 2 years
F.	Surcharge for miscellaneou	as items: Net cost of % air/expedite freight chases

X6.6	EVALUATION COMMITTEE REQUIREMENTS		
	Is all component specifications, product literature, component mode Committee bid determination?	els provided for Evaluation YESNO	
X6.7	Will all parts, equipment, accessories, material, design and perfespecified herein, but which are necessary to provide a complete unit and conform in strength, quality of material, and quality of which are advertised and provided to the market in general by the strength of	unit, be furnished with the f workmanship to those	
X6.7.1	Are all parts and accessories adequate and regularly supplied as except those which may be duplications of specifications herein, specification are not to be furnished?		
X6.7.2	Are all standard safety features that are required by Federal and included?	d State statutes of law YESNO	
X7.0	SPECIFICATIONS OF THE QUOTED UNIT The bidder should complete the following schedule in order for the Division to compare the actual bid unit to the specifications. Should the bidder except a requirement, then such exception may be only on the basis that such feature is not offered by the manufacturer. The Division will have the sole discretion as to whether the bidder's substitution meets the requirements of the specifications.		
	Does unit have built in auxiliary battery charger which would en hooked up to an AC power source at the storage yard or off of a		
		X YES NO	
	Describe: (4) 6V GC2 Betteries (2voc output, In 24 Hours	To Amp Charger, Recharge	
	Manufacturer: TotA Model: D		

X7.1 Arrowboard:		
X7.1.1	Is the arrowboard panel weather-tight:NO	
	Describe weather-tight design and materials used:	
	Pavels sealed to frame with adhesive then riveted	
	Arrow Board panel dimensions: 48 inches high x 96 inches wide	
X7.1.2	Height from bottom of panel to roadway feet above roadway	
X7.1.3	Is the face of the panel flat black, with fifteen (15) hooded lamps? YESNO	
X7.1.3.1	Does lamp have five (5) inch amber LED with minimum angularity of 33 degrees X YES NO	
X7.1.4	Modes of operation capability:	
X7.1.4.1	Right arrow – 10 lamps flashing in unison	
X7.1.4.2	Left arrow – 10 lamps flashing in unison	
X7.1.4.3	Double arrow – 5 lamps in each arrowhead and 3 lamps in shaft, all flashing in unison YESNO	
X7.1.4.4	Warning bar – 7 horizontal lamps flashing in unison YESNO	
X7.1.4.5	Four Point Caution – 4 outermost corner lamps flashing in unison YESNO	
X7.1.4.6	Indicator lights on back of panel	
X7.1.5	Is the unit flash rate 30 flashes per minute with a flash cycle time of two (2) seconds with 50 percent on time? YESNO	
X7.1.6	Will the unit reduce lamp brightness when the ambient light level drops below five (5) foot candles, plus or minus one (1) foot candle, and increase lamp brightness when the ambient light level increases to five (5) foot candles, plus or minus one (1) foot candle? YESNO	
X7.1.7	Unit's minimum distance of legibility: mile(s)	

X7.2	Electrical System:	
X7.2.1	Does the solar generator incorporate a 12 Volt DC on a self-erecting automatic positioning device loca	
X7.2.2	Is the battery bank of sufficient size and capacity to without solar assist?	o power the unit for 30 days YESNO
X7.2.3	Are the batteries protected in a manner that will preve or discharging to deeply at any temperature?	
X7.2.4	Does the unit have an external warning light, or other indicate when the unit is in need of auxiliary charging	
X7.2.5	Is the battery compartment vented, protected by an aci	d-resistant finish, and lockable?NO
X7.2.6	Is the arrowboard controller housed in a lockable v	veatherproof enclosure?YESNO
X7.2.7	Is unit safe guarded from any unwanted outside RI but not be limited to VHF/FM receiver, 2-way radio	
X7.2.8	Is the unit equipped with an operational hour meter?	XYESNO
X7.3 I	railer:	
X7.3.1	Is the trailer equipped with the following:	
X7.3.1.1	2,000 lb. axle with leaf springs	YESNO
X7.3.1.2	Tubeless standard tread tires and wheels	X YES NO
X7.3.1.3	Heavy duty pintle eye hitch	X YESNO
X7.3.1.4	Adjustable jack stand on trailer tongue	YES NO
X7.3.1.5	Adjustable jack stands to stabilize unit while in ope	eration YESNO
X7.3.1.6	Approved lighting and safety chains for highway us	se_X_YESNO

X7.3.1	1.7	Heavy duty light wiring for towing of unit with quie Hersee Part Number 12081 male or equal	ck disconnect plug ColeX_YESNO
X7.3.1	1.8	License plate brackets	YESNO
X7.3.1	.9	Wheel fenders	YES NO
X7.3.1	.10	Arrowboard raised and lowered using a hand operate pump/ram) locked into place using latches of steel permanently attached to the unit	
X7.4	Paint:		
X7.4.1	De	scribe proposed method of painting the unit:	mobils with
	Dh	scribe proposed method of painting the unit: All sphere steam. Atomotive print the electrostatic sprayer. Top mained with well-additional with well-additional electrostatic spray.	ne scalant qualité
	اسا	In electrostatic sprayer. Top	cost with Acordin
	Su	remel with swelling dit	A Miles
	e	lectrostatic spray.	· ·
X7.5	Does th	ne proposed unit meet or exceed the "Occupations ements and/or any subsequent changes at the time	al Safety and Health Act of 1970"
X7.6	Does th	ne unit conform to advertising guidelines?	YES NO
X7.7		other standard features considered as standard equip pecifications:	ment but not specifically addressed

X7.8	Preventive Maintenance and Operator's Training School:				
	Will a preventative maintenance and operator's training seminar be provided with each order? YESNO				
	If you are the successful vendor, will you furnish all training aids, i.e., videos, projectors, required in conducting the training? YESNO				
	Will all manuals, booklets, etc. preventive maintenance, operator procedures, and service schedule be delivered with each unit? YESNO				
	If NO, explain				
	Have you attached a copy of the proposed program with your bid, stating the time required to perform the program and brief description of program YESNO				

RFQ No.	708EC006
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STATE OF WEST VIRGINIA Purchasing Division

PURCHASING AFFIDAVIT

West Virginia Code §5A-3-10a states: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

EXCEPTION: The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

LICENSING: Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

CONFIDENTIALITY: The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendors should visit **www.state.wv.us/admin/purchase/privacy** for the Notice of Agency Confidentiality Policies.

Under penalty of law for false swearing (West Virginia Code, §61-5-3), it is hereby certified that the vendor acknowledges the information in this said affidavit and are in compliance with the requirements as stated.

Vendor's Name:	LH.	Jones	Equipment	Con			
Authorized Signature	9:	4	24		Date:	11/20/07	
Durchaeine öffidault (Pevi				,	-		



RFQ COPY

TYPE NAME/ADDRESS HERE

State of West Virginia Department of Administration Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

Request for Quotation

708EC006

ADDRESS CORRESPONDENCE TO ATTENTION OF

MICHAEL AUSTIN 304-558-2402

EQUIPMENT DIVISION ROUTE 33 **BRUSHY FORK ROAD**

DIVISION OF HIGHWAYS BUCKHANNON, WV 26201 304-472-1750

DATE PRINTED TERMS OF SALE. SHIP VIA FREIGHT TERMS FOB. 11/01/2007 2+)0 Freight Buklisher W BID OPENING DATE: 11/27/2007 BID OPENING TIME 01:30PM UNIT PRICE LINE QUANTITY ITEM NUMBER AMOUNT ADDENDUM NO. 1 MANDATORY PRE-BID CONFERENCE DATE CHANGED FROM: 11/14/07 AT 10:00 A.M. TO: 11/16/07 AT 10:00 A.M. NO OTHER CHANGES. 0001 EΑ 550-96 TRAILER MOUNTED SOLAR POWERED ELECTRIC THIS IS THE END OF REQ 708EC006 ***** TOTAL: DATE ADDRESS CHANGES TO BE NOTED ABOVE



81 TEXACO ROAD MECHANICSBURG, PA 17055-2623 (717) 691-8007

TRAINING OUTLINE

TRAFCON TC SERIES, ARROWBOARD TRAILERS

- 1. INTRODUCTION
- 2. TRAILER SET UP AND OPERATION
 - A. TRAILER/VEHICLE CONNECTION
 - B. TRAILER SET UP
- 3. TRAILER MAINTENANCE
 - A. VISUAL INSPECTION
 - 1. CHECK TRAILER
 - 2. CHECK WHEELS & TIRES
 - B. CHECKING & MAINTENANCE OF BATTERIES
- 4. TROUBLE SHOOTING
 - A. LAMP REPLACEMENT
 - B. CONTROLLER FAILURE
- 5. PARTS & SERVICE

TOTAL ESTIMATED TRAINING TIME: 29 MINUTES

TRAFCON INDUSTRIES, INC.

MANUFACTURER'S WARRANTY

LIMITED WARRANTY POLICY

Trafcon Industries, Inc. (Trafcon) hereby warrants to the original purchaser (customer), sold directly or through an authorized dealer, the product(s) listed for the time period(s) listed, from the date of purchase. Trafcon warrants the product(s) against defects in material and workmanship provided the products are installed and maintained properly, and operated under normal conditions. This warranty does not apply to product(s) that have been improperly applied, installed or maintained. The customer will be responsible for removing any defective item(s) from the product and returning the item(s), or the entire product, transportation costs prepaid, to Trafcon 81 Texaco Rd, Mechanicsburg, PA 17050. The customer will be responsible for reinstallation of item(s) upon return. All returns must have a Return Material Authorization (RMA) number prior to shipping. RMA numbers can be obtained by contacting Trafcon at 717-691-8007, or on the Internet at www.Trafcon.com. Proof of purchase will be required to obtain the RMA. Trafcon will, at its option, repair or replace defective product(s) or component part(s). Such item(s) will be returned by Trafcon, transportation costs paid (normal ground delivery), within the United States. Repaired or replaced product(s) or component part(s) will carry the remainder of their respective original warranty term(s).

Exclusions from this warranty are: unauthorized sale outside the United States, the finish, tires, incandescent lamps, any condition(s) caused by abnormal use or service, negligent operation, act of God, and product specific limitations, if any, listed below.

THE LOSS OF USE OF THE PRODUCT, LOSS OF TIME, INCONVENIENCE, COMMERCIAL LOSS OR CONSEQUENTIAL DAMAGES ARE NOT COVERED. TRAFCON RESERVES THE RIGHT TO CHANGE THE DESIGN OF ANY PRODUCT WITHOUT ASSUMING ANY OBLIGATION TO MODIFY ANY PRODUCT PREVIOUSLY MANUFACTURED.

This warranty gives you specific legal rights and you may have other rights, which may vary from state to state.

THERE ARE NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, WHICH EXTEND BEYOND THIS WARRANTY PERIOD. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE FACE HEREOF. SELLER DISCLAIMS IMPLIED WARRENTY OF MERCHANTABILITY.

THE WARRANTY SHALL NOT APPLY TO ANY TRAFCON PRODUCT WHICH HAS BEEN MODIFIED, IMPROPERLY INSTALLED, IMPROPERLY MAINTAINED OR IMPROPERLY USED.

The product(s) and time period(s) under this warranty are as follows:

1. FLASHING ARROW BOARDS, TRAILER MOUNTED, SOLAR (TC1) LIMITED 2 YEAR WARRANTY

Limited 1 year warranty on these Trafcon products. Trafcon warrants each new unit against factory defects in material and workmanship for a 1 year period from the original date of purchase. EXCEPTIONS: Solar modules- 5 years*, Batteries- 18 months*, Controller-2years*, LED Lamps-5years*.

THIS WARRENTY DOES NOT COVER THE FOLLOWING: Tires, Finish.

2. FLASHING ARROW BOARDS, TRAILER MOUNTED, DIESEL (TC3) LIMITED 2 YEAR WARRANTY

Limited 1 year warranty on these Trafcon products. Trafcon warrants each new unit against factory defects in material and workmanship for a 1 year period from the original date of purchase. EXCEPTIONS: Batteries- 60 months (pro-rated)*.

THIS WARRANTY DOES NOT COVER THE FOLLOWING: Tires, Finish, Incandescent lamps.

3. FLASHING ARROW BOARDS-VEHICLE MOUNTED (MB & TM) LIMITED 2 YEAR WARRANTY

Limited 1 year warranty on these Trafcon products. Trafcon warrants each new unit against factory defects in material and workmanship for a 1 year period from the original date of purchase. THIS WARRANTY DOES NOT COVER THE FOLLOWING: Finish, Incandescent lamps.

4. ARROW DYNAMIC SIGNS-TRAILER MOUNTED (TC-ADS) LIMITED 2 YEAR WARRANTY

Limited 1 year warranty on these Trafcon products. Trafcon warrants each new unit against factory defects in material and workmanship for a 1 year period from the original date of purchase. EXCEPTIONS: Solar modules- 10 years*, Batteries- 18 months*.

THIS WARRANTY DOES NOT COVER THE FOLLOWING: Tires, Finish.

5. ARROW DYNAMIC SIGNS- VEHICLE MOUNTED (MB-ADS) LIMITED 2 YEAR WARRANTY

Limited 1 year warranty on these Trafcon products. Trafcon warrants each new unit against factory defects in material and workmanship for a 1 year period from the original date of purchase. THIS WARRANTY DOES NOT COVER THE FOLLOWING: Finish.

6. SPEED DISPLAY SIGNS- STATIONARY, VEHICLE & TRAILER MOUNTED (SST) LIMITED 2 YEAR WARRANTY

Limited 1 year warranty on these Trafcon products. Trafcon warrants each new unit against factory defects in material and workmanship for a 1 year period from the original date of purchase. EXCEPTIONS: Solar modules- 10 years*, Batteries- 18 months*.

THIS WARRANTY DOES NOT COVER THE FOLLOWING: Tires, Finish.

7. WORK ZONE RADIOS- STATIONARY, VEHICLE & TRAILER MOUNTED (WIZARD) LIMITED 5 YEAR WARRANTY

Limited 1 year warranty on these Trafcon products. Trafcon warrants each new unit against factory defects in material and workmanship for a 1 year period from the original date of purchase. EXCEPTIONS: Solar modules- 10 years*, Batteries- 18 months*.

THIS WARRANTY DOES NOT COVER THE FOLLOWING: Tires, Finish.

7. PORTABLE EQUIPMENT PLATFORMS (PEP) LIMITED 2 YEAR WARRANTY

Limited 1 year warranty on these Trafcon products. Trafcon warrants each new unit against factory defects in material and workmanship for a 1 year period from the original date of purchase. EXCEPTIONS: Solar modules- 10 years*, Batteries- 18 months*.

THIS WARRANTY DOES NOT COVER THE FOLLOWING: Tires, Finish.

RIGHTS RESERVED

Trafcon reserves the right to make changes in design, materials and specifications or to make product changes as deemed necessary without prior notice. Obligations or liabilities will not be assumed with respect to similar products previously advertised or produced.

PRINTING ERRORS

Every effort has been made to avoid printing errors in our printed literature and on our website. Should there have been any specification or application errors, we must disclaim responsibility.

OMISSIONS

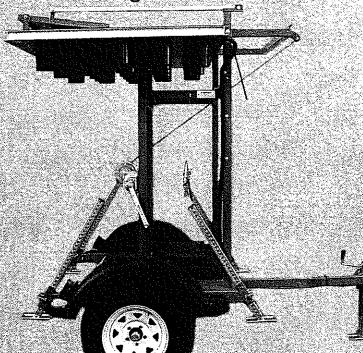
Any product(s) or component(s) not specifically covered or excluded herein, will be covered for a 1 year period from date of purchase or by the Original Equipment Manufacturer's warranty, whichever is greater.

* Solar module and battery warranties are of the suppliers of these respective products. All claims are subject to the terms and conditions of the suppliers of these products.

TEATEON:

TEL SERIES

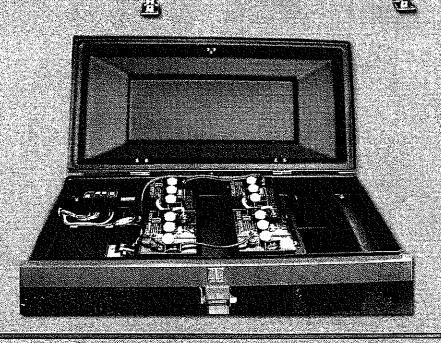
Solar Trailer Mounted Advance Warning Panels



TC1 Models come in your choice of a base model, or an upgraded version. Please call your sales associate for details. Available in 15 or 25 light configurations.



FCC WIRELESS REMOTE AVAILABLE REMOTE PROVIDES ULTIMATE OPERATOR SAFETY



TRAFCON INDUSTRIES INC.

81 TEXACO ROAD, MECHANICSBURG, PA 17050 • 717 691-8007 • FAX 717-697-0813 • WWW.TRAFCON.COM



TC1 SERIES

Solar Trailer Mounted Advance Warning Panels

STANDARD SPECIFICATIONS

TRAILER

ikailer	
Length	112"
Width	96" (including sign panel)
Width across fender	s83"
Tongue	3" x 4.1 lb. structural channel (A-Frame)
	2" x 3" x 1/8" tubing (sides)
	3" x 4.1 lb. structural channel
	(front and rear)
Superstructure	2" x 2" x 1/8" tubing
•	2" x 2" x 1/8" tubing
	Low density thermoplastic with lockable
	full lid
Fenders	Low density thermoplastic with splash
	shields
Safety chain	24" x 1/4" proof coil plated chain
	with hooks welded to tongue
Leveling jacks	Drop jacks four corner, 32 degree angle
	2" ball or pintle ring
Axle	
Springs	
Track width	
Height	132" operating (up) position - 92"
	traveling (down) position
Weight	- · · · · ·
Paint	

SIGN PANEL

Sign Pare	
Construction	sandwich type
Material	Aluminum
	 Front and back panels 48" x 96" x .063" sheet
	• Framework - 2" x 1" x .125" extruded
	channel (welded)
Lamps	PAR 46, amber, LED
Lamp hoods	360 degree high impact plastic
Lifting mechanism	1000 lbs.

CONTROL SYSTEM AND CIRCUITRY

Voltage	12V nominal (supply)
Circuitry	solid state microprocessor
Protection	short circuit/reverse polarity
Dimming	automatic

SOLAR CHARGING SYSTEM

- 50-watt single solar panel (*80-watt upgraded model)
- · Continuous intensity feature constant lamp intensity to cutoff
- . Low battery cutoff 11V
- · Solid State Charge Controller
- Battery condition indicator LED bar graph
- · Solar panel mounting continuous horizontal positioning

POWER SUPPLY/BATTERY

Batteries...4 group GC-2, 6 V Deep cycle

(* 6 group GC-2, 6V deep cycle - upgraded model)

225 amp hours each

Voltage12V DC

Capacity ...900 amp/hour (*1350 - upgraded model)

Charging ... (on-board 30 AMP charger with upgraded model)

FEATURES

ARROWBOARD

- Long lasting LED lamps
- LED full matrix mode display on controller and LED bar graph voltmeter
- Wide wheel base for towing stability
- · Microprocessor based controller
- "HFM" technology for extended lamp life
- Fully automatic battery charger
- 14" automotive wheels and tires
- Quick-change battery compartment for your convenience
- Multi stage electrostatic paint process
- Rugged polyethelene low density battery box and fenders
- A-Frame draw bar design
- 1 screw jack on tongue and 4 corner drop jacks

SOLAR PANEL

- Panels can maintain horizontal position in operating and trailering modes
- Solar panels are mounted at the top of the sign for vandal resistance.
- Constant horizontal solar panel positioning
 - *Specifications subject to change without notice

TRAFCON PRODUCTS DISTRIBUTED BY

TRAFCON INDUSTRIES INC.