ARLINGTON COUNTY, VIRGINIA
OFFICE OF THE PURCHASING AGENT
SUITE 500
2100 CLARENDON BOULEVARD
ARLINGTON, VIRGINIA 22201

NOTICE OF AWARD OF CONTRACT

TO: VARIOUS VENDORS (SEE ATTACHED)

DATE ISSUE SEPTEMBER 25, 2012
CURRENT REFERENCE NO. 505-13

CONTRACT TITLE: DES - TRAFFIC SIGNAL EQUIPMENT
PRIOR REFERENCE NO. 

THIS IS A NOTICE OF AWARD OF CONTRACT AND NOT AN ORDER. NO WORK IS AUTHORIZED UNTIL THE VENDOR RECEIVES A VALID COUNTY PURCHASE ORDER ENCUMBERING CONTRACT FUNDS.

Your firm is awarded the above referenced contract. The contract term covered by this Notice of Award is effective SEPTEMBER 25, 2012 and expires on AUGUST 31, 2017.

The contract documents consist of the terms, conditions, and specifications of Invitation to Bid No. 505-13 and the bids of the Contractors, incorporated herein by reference.

CONTRACT PRICING:

PRICE ADJUSTMENTS ARE BASED ON THE CPI-U OF THE MONTH OF MARCH.

ATTACHMENTS:

CONTRACTORS' BID FORMS
SPECIFICATIONS EXCERPT

EMPLOYEES NOT TO BENEFIT:

NO COUNTY EMPLOYEE SHALL RECEIVE ANY SHARE OR BENEFIT OF THIS CONTRACT NOT AVAILABLE TO THE GENERAL PUBLIC.

VENDOR CONTACT: SEE ATTACHED VENDOR TEL. NO: SEE ATTACHED
VENDOR PAYMENT TERMS: NET 30 DAYS VENDOR FAX NO: SEE ATTACHED

COUNTY CONTACT: AMIT SIDHAYE COUNTY TEL. NO: 703-228-3736

CONTRACT AUTHORIZATION

Elizabeth Dooley, CFP, CPBE DATE 9/25/12
Assistant Purchasing Agent

DISTRIBUTION

VENDOR: 1
BID FOLDER: 1
VENDOR LIST
CONTRACT 505-13

SECTION I
MMS, Inc.
P.O. Box 203
Middleburg, VA 20118
Samuel H. Smith, Jr.
Tel. 540-687-5264
Fax 540-687-5265

SECTION II
MMS, Inc.
P.O. Box 203
Middleburg, VA 20118
Samuel H. Smith, Jr.
Tel. 540-687-5264
Fax 540-687-5265

SECTION III.A
MMS, Inc.
P.O. Box 203
Middleburg, VA 20118
Samuel H. Smith, Jr.
Tel. 540-687-5264
Fax 540-687-5265

SECTION III.B
NO AWARD

SECTION IV
NO AWARD

SECTION V
MMS, Inc.
P.O. Box 203
Middleburg, VA 20118
Samuel H. Smith, Jr.
Tel. 540-687-5264
Fax 540-687-5265

SECTION VI
MMS, Inc.
P.O. Box 203
Middleburg, VA 20118
Samuel H. Smith, Jr.
Tel. 540-687-5264
Fax 540-687-5265

SECTION VII
J. O. Herbert Co., Inc.
P.O. Box 5450
Midlothian, VA 23112
Jack Herbert, IV
Tel. 804-763-6480
Fax 804-763-6490

SECTION VIII
NO AWARD

SECTION IX
NO AWARD

SECTION X
NO AWARD
ARLINGTON COUNTY, VIRGINIA
OFFICE OF THE PURCHASING AGENT

INVITATION TO BID NO. 505-13

REVISED BID FORM

SUBMIT TWO (2) FULLY-COMPLETE AND SIGNED BID FORMS TO THE OFFICE OF
THE BID CLERK, SUITE 511, 2100 CLARENDON BLVD., ARLINGTON, VIRGINIA,
22201 (ONE FORM SHALL CONTAIN AN ORIGINAL LONGHAND SIGNATURE; THE OTHER
SHALL BE A PHOTOCOPY OF THE SIGNED ORIGINAL)

BIDS WILL BE OPENED AT 2:00 P.M. ON AUGUST 14, 2012

FOR PROVIDING TRAFFIC SIGNAL EQUIPMENT PER THE TERMS, CONDITIONS AND
SPECIFICATIONS OF THIS SOLICITATION:

1. DO YOU AGREE TO PROVIDE THE BID ITEMS IN COMPLIANCE WITH THE FEDERAL
AND STATE TERMS AND CONDITIONS INCLUDED IN SECTION IV OF THIS
SOLICITATION?

   X  YES  ____ NO

Bidders who answer "NO" to the question above will be considered for
award for provision of equipment for Arlington County funded
projects only.

Bidders who answer "NO" to the question above do not have to
complete pages 7-9 of the Bid Form.

PLEASE COMPLETE THE PRICING SHEET PROVIDED WITH THE BID DOCUMENTS AS
ATTACHMENT A TO ITB NO. 505-13 AND SUBMIT IT WITH YOUR BID.

FAILURE TO SUBMIT THE PRICING SHEET WITH THE BID WILL DEEM THE BIDDER
UNRESPONSIVE.

The undersigned understands and acknowledges the following:

The official, true, and complete copy of the solicitation documents,
WHICH SHALL INCLUDE ALL AMENDMENTS THERETO, is the electronic copy of
the solicitation documents provided at the County Purchasing Agent’s
website (http://www.arlingtonva.us/purchasing).

Each bidder is responsible for determining the accuracy and
completeness of ALL solicitation documents they receive, including
documents obtained from the County, and documents obtained from all
other sources.

BIDDER NAME: J. O. Herbert Co., Inc.
TRADE SECRETS OR PROPRIETARY INFORMATION:
Trade secrets or proprietary information submitted by a bidder in connection with a procurement transaction shall not be subject to public disclosure under the Virginia Freedom of Information Act. However, Section 4-111 of the Arlington County Purchasing Resolution states that the bidder must invoke the protection of this section prior to or upon submission of the data or other materials, and must identify the data or other materials to be protected and state the reasons why protection is necessary.

Please mark one:

(χ) No, the bid I have submitted does not contain any trade secrets and/or proprietary information.

( ) Yes, the bid I have submitted does contain trade secrets and/or proprietary information.

If Yes, you must clearly identify below the exact data or other materials to be protected and list all applicable page numbers of the bid containing such data or materials:

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

State the specific reason(s) why protection is necessary:

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

If you fail to identify the data or other materials to be protected and state the reasons why protection is necessary in the space provided above, you will not have invoked the protection of Section 4-111 of the Purchasing Resolution. Accordingly, effective upon the award of contract, the bid will be open for public inspection consistent with applicable law.

CERTIFICATION OF NON-COLLUSION: The undersigned certifies that this bid is not the result of, or affected by, any act of collusion with another person (as defined in the Code of Virginia § 59.1-68.6 et seq.), engaged in the same line of business or commerce; or any act of fraud punishable under the Virginia Governmental Frauds Act (Code of Virginia § 18.2-498.1 et seq.).

BIDDER NAME: J. O. Herbert Co., Inc.
CONTACT PERSON AND MAILING ADDRESS FOR DELIVERY OF NOTICES

Provide the name and address of the person designated by the Bidder to receive notices and other communications (Refer to section headed Notices in the Contract Terms and Conditions of this solicitation for further details):

John O. Herbert, IV (Jack)

P. O. Box 5450
Midlothian, VA 23112
jackherbert4@johinc.com

THE PROPER AND FULL LEGAL NAME OF THE FIRM OR ENTITY SUBMITTING THIS BID MUST BE WRITTEN IN THE SPACE PROVIDED BELOW. THIS BID FORM, AND ALL OTHER DOCUMENTS REQUIRED BY THE INVITATION TO BID TO BE SUBMITTED WITH THIS BID FORM, INCLUDING, BUT NOT LIMITED TO ALL ISSUED AMENDMENTS, MUST BE FULLY AND ACCURATELY COMPLETED AND SIGNED BELOW BY A PERSON AUTHORIZED TO LEGALLY AND CONTRACTUALLY BIND THE BIDDER, OR THE BID MAY BE REJECTED:

AUTHORIZED SIGNATURE ____________________________________________

PRINT NAME AND TITLE ________________________________
John O. Herbert, IV - President

INDICATE THE NAME AND CONTACT INFORMATION OF THE PERSON WHO CAN RESPOND AUTHORITATIVELY TO ANY QUESTIONS REGARDING THIS BID (I.E. PROJECT MANAGER):

NAME (PRINTED): Jack Herbert, IV TITLE: President
E-MAIL ADDRESS: jackherbert4@johinc.com TEL. NO.: 804-763-6480
SUBMITTED BY: (LEGAL NAME OF FIRM)  J. O. Herbert Co., Inc.

ADDRESS:  P. O. Box 5450

CITY/STATE/ZIP:  Midlothian, VA 23112

TELEPHONE NO:  804-763-6480  FACSIMILE NO:  804-763-6490

THIS FIRM IS A:  X CORPORATION,  __ GENERAL PARTNERSHIP,  __ LIMITED PARTNERSHIP,  __ UNINCORPORATED ASSOCIATION,  __ LIMITED LIABILITY COMPANY,  __ SOLE PROPRIETORSHIP

IS FIRM AUTHORIZED TO TRANSACT BUSINESS IN THE COMMONWEALTH OF VA?  Yes

IDENTIFICATION NO. ISSUED TO THE FIRM BY THE SCC:  0146588-9

ANY BIDDER EXEMPT FROM SCC AUTHORIZATION REQUIREMENT SHALL INCLUDE A STATEMENT WITH ITS BID WHY THEY ARE NOT REQUIRED TO BE SO AUTHORIZED

IS YOUR FIRM CURRENTLY DEBARRED FROM SUBMITTING BIDS TO ARLINGTON COUNTY, VIRGINIA, THE FEDERAL GOVERNMENT, OR ANY OTHER STATE OR POLITICAL SUBDIVISION?  No

BIDDER STATUS:  MINORITY OWNED:  __  WOMAN OWNED:  __  NEITHER:  X
Metropolitan Washington Council of Governments (COG)
Rider Clause

PERTAINING TO THE USE OF CONTRACT(S) BY MEMBERS OF THE METROPOLITAN
WASHINGTON COUNCIL OF GOVERNMENTS PURCHASING OFFICERS' COMMITTEE

A. If authorized by the bidder(s), resultant contract(s) will
be extended to any or all of the listed members as designated by
the bidder to purchase at contract prices in accordance with
contract terms.

B. Any member utilizing such contract(s) will place its own
order(s) directly with the successful contractor. There shall be
no obligation on the part of any participating member to utilize
the contract(s).

C. A negative reply will not adversely affect consideration of
a bidder’s bid/proposal.

D. It is the awarded vendor's responsibility to notify the
members shown below of the availability of the Contract(s).

E. Each participating jurisdiction has the option of executing
a separate contract with the awardee. Contracts entered into with
a participating jurisdiction may contain general terms and
conditions unique to that jurisdiction including, by way of
illustration and not limitation, clauses covering minority
participation, non-discrimination, indemnification, naming the
jurisdiction as an additional insured under any required
Comprehensive General Liability policies, and venue. If, when
preparing such a contract, the general terms and conditions of a
jurisdiction are unacceptable to the awardee, the awardee may
withdraw its extension of the award to that jurisdiction.

F. The issuing jurisdiction shall not be held liable for any
costs or damages incurred by another jurisdiction as a result of
any award extended to that jurisdiction by the awardee.

Continued on next page
**BIDDER'S AUTHORIZATION TO EXTEND CONTRACT:**

<table>
<thead>
<tr>
<th>YES/NO</th>
<th>JURISDICTION</th>
<th>YES/NO</th>
<th>JURISDICTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>✕</td>
<td>Alexandria, Virginia</td>
<td>✕</td>
<td>Metropolitan Washington</td>
</tr>
<tr>
<td>✕</td>
<td>Alexandria Public Schools</td>
<td>✕</td>
<td>Airports Authority</td>
</tr>
<tr>
<td>✕</td>
<td>Alexandria Sanitation Authority</td>
<td>✕</td>
<td>Metropolitan Washington</td>
</tr>
<tr>
<td>✕</td>
<td>Arlington County, Virginia</td>
<td>✕</td>
<td>Council of Governments</td>
</tr>
<tr>
<td>✕</td>
<td>Arlington County Public Schools</td>
<td>✕</td>
<td>Montgomery College</td>
</tr>
<tr>
<td>✕</td>
<td>Bladensburg, Maryland</td>
<td>✕</td>
<td>Montgomery County, Maryland</td>
</tr>
<tr>
<td>✕</td>
<td>Bowie, Maryland</td>
<td>✕</td>
<td>Montgomery County Public Schools</td>
</tr>
<tr>
<td>✕</td>
<td>Charles County Public Schools</td>
<td>✕</td>
<td>OmniRide</td>
</tr>
<tr>
<td>✕</td>
<td>College Park, Maryland</td>
<td>✕</td>
<td>Prince George's County, Maryland</td>
</tr>
<tr>
<td>✕</td>
<td>Culpeper County, Virginia</td>
<td>✕</td>
<td>Prince George's Public Schools</td>
</tr>
<tr>
<td>✕</td>
<td>District of Columbia</td>
<td>✕</td>
<td>Prince William County, Virginia</td>
</tr>
<tr>
<td>✕</td>
<td>District of Columbia Courts</td>
<td>✕</td>
<td>Prince William County Public Schools</td>
</tr>
<tr>
<td>✕</td>
<td>District of Columbia Public Schools</td>
<td>✕</td>
<td>Prince William County Service Authority</td>
</tr>
<tr>
<td>✕</td>
<td>District of Columbia Water &amp; Sewer Authority</td>
<td>✕</td>
<td>Rockville, Maryland</td>
</tr>
<tr>
<td>✕</td>
<td>Fairfax, Virginia</td>
<td>✕</td>
<td>Spotsylvania County Schools</td>
</tr>
<tr>
<td>✕</td>
<td>Fairfax County, Virginia</td>
<td>✕</td>
<td>Stafford County, Virginia</td>
</tr>
<tr>
<td>✕</td>
<td>Fairfax County Water Authority</td>
<td>✕</td>
<td>Takoma Park, Maryland</td>
</tr>
<tr>
<td>✕</td>
<td>Falls Church, Virginia</td>
<td>✕</td>
<td>Upper Occoquan Sewage Authority</td>
</tr>
<tr>
<td>✕</td>
<td>Fauquier County Schools &amp; Government, Virginia</td>
<td>✕</td>
<td>Vienna, Virginia</td>
</tr>
<tr>
<td>✕</td>
<td>Frederick, Maryland</td>
<td>✕</td>
<td>Virginia Railway Express</td>
</tr>
<tr>
<td>✕</td>
<td>Frederick County, Maryland</td>
<td>✕</td>
<td>Washington Metropolitan Area Transit Authority</td>
</tr>
<tr>
<td>✕</td>
<td>Gaithersburg, Maryland</td>
<td>✕</td>
<td>Washington Suburban Sanitary Commission</td>
</tr>
<tr>
<td>✕</td>
<td>Greenbelt, Maryland</td>
<td>✕</td>
<td>Winchester, Virginia</td>
</tr>
<tr>
<td>✕</td>
<td>Herndon, Virginia</td>
<td>✕</td>
<td>Winchester Public Schools</td>
</tr>
<tr>
<td>✕</td>
<td>Leesburg, Virginia</td>
<td>✕</td>
<td></td>
</tr>
<tr>
<td>✕</td>
<td>Loudoun County, Virginia</td>
<td>✕</td>
<td></td>
</tr>
<tr>
<td>✕</td>
<td>Loudoun County Public Schools</td>
<td>✕</td>
<td></td>
</tr>
<tr>
<td>✕</td>
<td>Manassas, Virginia</td>
<td>✕</td>
<td></td>
</tr>
<tr>
<td>✕</td>
<td>City of Manassas Public Schools</td>
<td>✕</td>
<td></td>
</tr>
<tr>
<td>✕</td>
<td>Manassas Park, Virginia</td>
<td>✕</td>
<td></td>
</tr>
<tr>
<td>✕</td>
<td>Maryland-National Capital Park &amp; Planning Comm.</td>
<td>✕</td>
<td></td>
</tr>
</tbody>
</table>

**BIDDER'S LEGAL NAME:** J. O. Herbert Co., Inc.

J. O. Herbert Co., Inc.

**DATE OF BID:** 08/23/2012
COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
AFFIDAVIT

PROJECT NO: ____________________________

FHWA NO: ____________________________

This form must be completed, signed, notarized and returned with bid; and failure to do so, may result in the rejection of your bid. A separate form must be submitted by each principal of a joint venture bid.

1. I, the firm, corporation or officers, agents or employees thereof have neither directly nor indirectly entered into any combination or arrangement with any person, firm or corporation or entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with such contract, the effect of which is to prevent competition or increase the cost of construction or maintenance of roads or bridges.

During the preceding twelve months, I (we) have been a member of the following Highway Contractor's Associations, as defined in Section 33.1-336 of the Code of Virginia (1970). (If none, so state).

NAME ____________________________ Location of Principal Office ____________________________

2. I (we) have _____, have not _____, participated in a previous contract or subcontract subject to the equal opportunity clause, as required by Executive Orders 10925, 11114, or 11246, and that I/We have _____, have not _____, filed with the joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government contracting or administering agency, or the former President's Committee on Equal Employment Opportunity, all reports due under the applicable filing requirements.

Note: The above certification is required by the Equal Employment Opportunity Regulations of the Secretary of Labor [41 CFR 60-1.7(b)(1)], and must be submitted by bidders and proposed subcontractors only in connection with contracts and subcontracts which are subject to the equal opportunity clause. Contracts and subcontracts which are exempt from the equal opportunity clause are set forth in 41 CFR 60-1.5. (Generally only contract or subcontracts of $10,000 or under are exempt.)

Currently, Standard Form 100 (EEO-1) is the only report required by the Executive Orders or their implementing regulations.

Proposed prime contractors and subcontractors who have participated in a previous contract or subcontract subject to the Executive Orders and have not filed the required reports should note that 41 CFR 60-1.7(b)(1) prevents the award of contract and subcontract unless such contractor submits a report covering the delinquent period or such other period specified by the Federal Highway Administration or by the Director, Office of Federal Contract Compliance, U.S. Department of Labor

3. The bidder certifies to the best of its knowledge and belief, that it and its principals:

(a) Are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or agency;

(b) Have not within a three year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offence in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.

ITB No. 505-13
Amendment No. 2
REVISED BID FORM, PAGE 8 OF 9

(c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated above; and

(d) Where the bidder is unable to certify to any of the statements in this certification, the bidder shall show an explanation below.

Explanations will not necessarily result in denial of award, but will be considered in determining bidder responsibility. For any explanation noted, indicate below to whom it applies, initiating agency, and dates of action. Providing false information may result in federal criminal prosecution or administration sanctions. The bidder shall provide immediate written notice to the Department if at any time the bidder learns that its certification was erroneous when submitted or has become erroneous by reason of change circumstances.

The undersigned is duly authorized by the bidder to make the foregoing statements to be filed with bids submitted on behalf of the bidder for contracts to be let by the Commonwealth Transportation Board.

Signed at _____________________________ , this ______ day of __________________ , 20 ______

______________________________________  By: ________________________________  Title (print)

(Name of Firm)  (Signature)

STATE of ________________________________  COUNTY (CITY) of ________________________________

I ________________________________ , a Notary Public in and for the State and County(City) aforesaid, hereby certify that this day

personally appeared before me and made oath that he is duly authorized to make the above statements and that such statements are true and correct.

Subscribed and sworn to before me this __________________ day of __________________ , 20 ______

______________________________

Notary Public

10

ITB No. 505-13
Amendment No. 2
COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

PROJECT: Bid # 505-13

FHWA: None

This form must be completed, signed and returned with bid; and failure to do so may result in the rejection of your bid. THE CONTRACTOR SHALL AFFIRM THE FOLLOWING STATEMENT EITHER BY SIGNING THE AFFIDAVIT AND HAVING IT NOTARIZED OR BY SIGNING THE UNSWORN DECLARATION UNDER PENALTY OF PERJURY UNDER THE LAWS OF THE UNITED STATES. A SEPARATE FORM MUST BE SUBMITTED BY EACH PRINCIPAL OF A JOINT VENTURE BID.

STATEMENT. In preparation and submission of this bid, I, the firm, corporation or officers, agents or employees thereof did not, either directly or indirectly, enter into any combination or arrangement with any persons, firm or corporation or enter into any agreement, participate in any collusion, or otherwise take any action in the restraint of free, competitive bidding in violation of the Sherman Act (15 U.S.C. Section 1) or Article 1.1 or Chapter 12 of Title 18.2 (Virginia Governmental Frauds Act), Sections 59.1-9.1 through 59.1-9.17 or Sections 59.1-68.6 through 59.1-68.8 of the Code of Virginia.

AFFIDAVIT

The undersigned is duly authorized by the bidder to make the foregoing statement to be filed with bids submitted on behalf of the bidder for contracts to be let by the Commonwealth Transportation Board.

Signed at Chesterfield, VA County (City), STATE this 23rd day of August 2012.
J. O. Herbert Co., Inc. (Name of Firm)

By: President (Signature) Title (print)

STATE of Virginia

Pamela Baird Martin
County(City) aforesaid, hereby certify that this day
personally appeared before me and made oath that he is duly authorized to make the above statements
and that such statements are true and correct.

Subscribed and sworn to before me this 23rd day of August 2012.
My Commission expires June 30, 2016

Notary Public

Notary Registration No: 115874

OR

11
ITB No. 505-13
Amendment No. 2
## PRICING SHEET

**PROVISION OF VARIOUS TRAFFIC SIGNAL EQUIPMENT**

**PLEASE PROVIDE INFORMATION IN ALL CELLS HIGHLIGHTED IN BLUE.**

**SPECIFY ORIGINAL BRAND/MODEL NO. OF THE MANUFACTURER FOR EACH ITEM.**

**ATTACH SPECIFICATIONS COVERING UNITS BID.**

### SECTION I (BATTERY BACK-UP FOR TRAFFIC SIGNALS)
(The assembly shall include the UPS, batteries, auxiliary cabinet & the switching Device)

<table>
<thead>
<tr>
<th>NO.</th>
<th>ITEM</th>
<th>BRAND/MODEL NUMBER</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>BATTERY BACK-UP ASSEMBLY</td>
<td>Clary, SP1250LE</td>
<td>EA</td>
<td>3,428.00</td>
</tr>
<tr>
<td>2</td>
<td>BATTERY PACKAGE (IDENTIFY NO. OF BATTERIES)</td>
<td>Clary, OPB-1251 (4 batteries)</td>
<td>EA</td>
<td>785.40</td>
</tr>
<tr>
<td>3</td>
<td>AUXILIARY CABINET</td>
<td>JOH, BAT48CAB</td>
<td>EA</td>
<td>1,600.00</td>
</tr>
</tbody>
</table>

**SECTION I TOTAL: $5,813.40**

**SECTION I - DELIVERY TIME:** 60 - 90 Days

**CALENDAR DAYS AFTER RECEIPT OF ORDER**

### SECTION II (BACKLIT LED SIGNS)
(The cost shall include the photocell and the mounting hardware)

<table>
<thead>
<tr>
<th>NO.</th>
<th>ITEM</th>
<th>BRAND/MODEL NUMBER</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>INTERNALLY ILLUMINATED LED SIGNS (ONE-SIDED, 4 FT LONG)</td>
<td>Southern Mfg, Clean Profile</td>
<td>EA</td>
<td>1,435.88</td>
</tr>
<tr>
<td>2</td>
<td>INTERNALLY ILLUMINATED LED SIGNS (ONE-SIDED, 6 FT LONG)</td>
<td>Southern Mfg, Clean Profile</td>
<td>EA</td>
<td>1,660.88</td>
</tr>
<tr>
<td>3</td>
<td>INTERNALLY ILLUMINATED LED SIGNS (ONE-SIDED, 8 FT LONG)</td>
<td>Southern Mfg, Clean Profile</td>
<td>EA</td>
<td>1,773.38</td>
</tr>
<tr>
<td>4</td>
<td>INTERNALLY ILLUMINATED LED SIGNS (TWO-SIDED, 4 FT LONG)</td>
<td>Southern Mfg, Clean Profile</td>
<td>EA</td>
<td>1,771.75</td>
</tr>
<tr>
<td>5</td>
<td>INTERNALLY ILLUMINATED LED SIGNS (TWO-SIDED, 6 FT LONG)</td>
<td>Southern Mfg, Clean Profile</td>
<td>EA</td>
<td>2,109.25</td>
</tr>
<tr>
<td>6</td>
<td>INTERNALLY ILLUMINATED LED SIGNS (TWO-SIDED, 8 FT LONG)</td>
<td>Southern Mfg, Clean Profile</td>
<td>EA</td>
<td>2,345.50</td>
</tr>
</tbody>
</table>

**EXCEPTION:** The average wattage of a 6-ft. one-sided sign will be 28 watts. In attached literature, see 1.7 AC Loading Matrix for all sign types.

**SECTION II - DELIVERY TIME:** 30 - 45 Days

**CALENDAR DAYS AFTER RECEIPT OF ORDER**

### SECTION III-A (SIGNAL ACCESSORIES)

<table>
<thead>
<tr>
<th>NO.</th>
<th>ITEM</th>
<th>BRAND/MODEL NUMBER</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ADA PUSHBUTTON</td>
<td></td>
<td>EA</td>
<td>NO BID</td>
</tr>
<tr>
<td>2A</td>
<td>ACCESSIBLE PED SIGNAL (type Polara)</td>
<td></td>
<td>EA</td>
<td>NO BID</td>
</tr>
<tr>
<td>2B</td>
<td>POLARA TYPE CONFIGURATOR (REMOTE) FOR ITEM 2A ABOVE</td>
<td></td>
<td>EA</td>
<td>NO BID</td>
</tr>
</tbody>
</table>

**SECTION III-A TOTAL: $NO BID**

**SECTION III-A - DELIVERY TIME:**

**CALENDAR DAYS AFTER RECEIPT OF ORDER**
### SECTION III-B (SIGNAL ACCESSORIES)

<table>
<thead>
<tr>
<th>NO.</th>
<th>ITEM</th>
<th>BRAND/MODEL NUMBER</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ALUMINUM PEDESTAL POLE (7 FT)</td>
<td></td>
<td>EA</td>
<td>NO BID</td>
</tr>
<tr>
<td>2</td>
<td>ALUMINUM PEDESTAL POLE (9 FT)</td>
<td></td>
<td>EA</td>
<td>NO BID</td>
</tr>
<tr>
<td>3</td>
<td>ALUMINUM PEDESTAL POLE (11 FT)</td>
<td></td>
<td>EA</td>
<td>NO BID</td>
</tr>
<tr>
<td>4</td>
<td>ALUMINUM PEDESTAL POLE (13 FT)</td>
<td></td>
<td>EA</td>
<td>NO BID</td>
</tr>
<tr>
<td>5</td>
<td>ALUMINUM PEDESTAL POLE (15 FT)</td>
<td></td>
<td>EA</td>
<td>NO BID</td>
</tr>
</tbody>
</table>

**SECTION III-B TOTAL:** $NO BID -

**SECTION III-B - DELIVERY TIME:** CALENDAR DAYS AFTER RECEIPT OF ORDER

### SECTION IV (SCHOOL FLASHER ASSEMBLY)

<table>
<thead>
<tr>
<th>NO.</th>
<th>ITEM</th>
<th>BRAND/MODEL NUMBER</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AC SCHOOL FLASHER ASSEMBLY (With Pager Programmable Timeswitch)</td>
<td>RTC CPR AC CAB - PAGER</td>
<td>EA</td>
<td>1,899.32</td>
</tr>
<tr>
<td>2</td>
<td>SOLAR FLASHER ASSEMBLY (With Pager Programmable Timeswitch)</td>
<td>TS&amp;T CPR SOLAR CAB - PAGER</td>
<td>EA</td>
<td>6,877.34</td>
</tr>
<tr>
<td>3</td>
<td>AC SCHOOL FLASHER ASSEMBLY (With Non-pager Timeclock)</td>
<td>RTC AC CAB ASSY</td>
<td>EA</td>
<td>1,677.32</td>
</tr>
<tr>
<td>4</td>
<td>SOLAR FLASHER ASSEMBLY (With Non-pager Timeclock)</td>
<td>TS&amp;T SOLAR CAB ASSY</td>
<td>EA</td>
<td>6,655.34</td>
</tr>
<tr>
<td>5</td>
<td>PAGER PROGRAMMABLE TIME-SWITCH</td>
<td>RTC CPR 2102 FLEX PAGER</td>
<td>EA</td>
<td>564.00</td>
</tr>
<tr>
<td>6</td>
<td>HAND-HELD PDA (FOR FIELD DATA DOWNLOAD)</td>
<td></td>
<td>EA</td>
<td>NO BID</td>
</tr>
</tbody>
</table>

**SECTION IV TOTAL:** $17,673.32

**SECTION IV - DELIVERY TIME:** 60 - 90 Days CALENDAR DAYS AFTER RECEIPT OF ORDER

### SECTION V (PREEMPTION DEVICE)

<table>
<thead>
<tr>
<th>NO.</th>
<th>ITEM</th>
<th>BRAND/MODEL NUMBER</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>COMPLETE PREEMPTION PACKAGE (2 DETECTORS, 1 Emitter, 1 INTERFACE UNIT)</td>
<td></td>
<td>EA</td>
<td>NO BID</td>
</tr>
<tr>
<td>2</td>
<td>PREEMPTION PACKAGE (1 DETECTOR, 1 Emitter, 1 INTERFACE UNIT)</td>
<td></td>
<td>EA</td>
<td>NO BID</td>
</tr>
<tr>
<td>3</td>
<td>ROAD-SIDE DETECTOR</td>
<td></td>
<td>EA</td>
<td>NO BID</td>
</tr>
<tr>
<td>4</td>
<td>ON-BOARD Emitter</td>
<td></td>
<td>EA</td>
<td>NO BID</td>
</tr>
<tr>
<td>5</td>
<td>CONTROLLER INTERFACE UNIT</td>
<td></td>
<td>EA</td>
<td>NO BID</td>
</tr>
</tbody>
</table>

**SECTION V TOTAL:** $NO BID -

**SECTION V - DELIVERY TIME:** CALENDAR DAYS AFTER RECEIPT OF ORDER
### SECTION VI (ELECTRICAL BACK-UP FOR TRAFFIC SIGNALS)

<table>
<thead>
<tr>
<th>No.</th>
<th>Item</th>
<th>Brand/Model Number</th>
<th>Unit</th>
<th>Unit Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ROADSIDE SPEED INDICATOR ASSEMBLY (SOLAR)</td>
<td></td>
<td>EA</td>
<td>NO BID</td>
</tr>
<tr>
<td>2</td>
<td>ROADSIDE SPEED INDICATOR ASSEMBLY (AC)</td>
<td></td>
<td>EA</td>
<td>NO BID</td>
</tr>
</tbody>
</table>

**SECTION VI - TOTAL**

$ 0 NO BID

**SECTION VI - DELIVERY TIME:**

Calendar days after receipt of order

---

### SECTION VII (LED SIGNAL HEADS AND MOUNTING BRACKETS)

<table>
<thead>
<tr>
<th>No.</th>
<th>Item</th>
<th>Brand/Model Number</th>
<th>Unit</th>
<th>Unit Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>12-12-12 LED RYG SIGNALS</td>
<td>PEEK, HSS SIGNAL w/453 Series LED's</td>
<td>EA</td>
<td>267.44</td>
</tr>
<tr>
<td>2</td>
<td>12-12-12 RYG EMPTY HOUSINGS READY FOR LED</td>
<td>PEEK, HSS SIGNAL</td>
<td>EA</td>
<td>134.07</td>
</tr>
<tr>
<td>3</td>
<td>12 INCH 5 SECTION &quot;DOG HOUSE&quot; STYLE LED SIGNALS</td>
<td>PEEK, HSS SIGNAL w/433 Series LED's</td>
<td>EA</td>
<td>447.02</td>
</tr>
<tr>
<td>4</td>
<td>12 INCH 5 SECTION &quot;DOG HOUSE&quot; STYLE CLUSTER SIGNALS EMPTY HOUSINGS READY FOR LED</td>
<td>PEEK, HSS SIGNAL</td>
<td>EA</td>
<td>226.91</td>
</tr>
<tr>
<td>5</td>
<td>PEDESTRIAN LED SIGNALS (COUNTDOWN SIGNALS)</td>
<td>PEEK #4302 w/ DIALIGHT LED #4306479001X</td>
<td>EA</td>
<td>236.71</td>
</tr>
<tr>
<td>6</td>
<td>16'16 PEDESTRIAN EMPTY HOUSINGS READY FOR LED</td>
<td>PEEK #4302</td>
<td>EA</td>
<td>87.91</td>
</tr>
<tr>
<td>7</td>
<td>HARDWARE FOR SPANWIRE MOUNT</td>
<td>PELCO SE-3043-SS &amp; SE-5118-SS</td>
<td>EA</td>
<td>118.92</td>
</tr>
<tr>
<td>8</td>
<td>ASTRO-BRAC FOR 3 SECTION 12-12-12</td>
<td>PELCO AB-0125-3-84-SS-PNC</td>
<td>EA</td>
<td>125.40</td>
</tr>
<tr>
<td>9</td>
<td>ASTRO-BRAC FOR 5 SECTION 12&quot; DOGHOUSE SIGNAL</td>
<td>PELCO AB-0138-34-SS-PNC</td>
<td>EA</td>
<td>209.70</td>
</tr>
<tr>
<td>10</td>
<td>PEDESTRIAN SIGNAL MOUNT ONE-WAY (TOP/SIDE MOUNT)</td>
<td>PELCO SE-3144-P29 &amp; SE-4071-P29</td>
<td>EA</td>
<td>66.48</td>
</tr>
<tr>
<td>11</td>
<td>PEDESTRIAN SIGNAL MOUNT TWO-WAY (TOP/SIDE MOUNT)</td>
<td>PELCO SE-3014-P29 &amp; SE-4071-P29</td>
<td>EA</td>
<td>145.32</td>
</tr>
</tbody>
</table>

**SECTION VII - TOTAL**

$ 2,065.88

**SECTION VII - DELIVERY TIME:**

60 - 90 Days

Calendar days after receipt of order

---

### SECTION VIII (PEDESTRIAN ACTIVATED CROSSWALK FLASHERS)

<table>
<thead>
<tr>
<th>No.</th>
<th>Item</th>
<th>Brand/Model Number</th>
<th>Unit</th>
<th>Unit Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SOLAR CROSSWALK FLASHER ASSEMBLY (single beacon)</td>
<td></td>
<td>EA</td>
<td>NO BID</td>
</tr>
<tr>
<td>2</td>
<td>SOLAR CROSSWALK FLASHER ASSEMBLY (double beacon)</td>
<td></td>
<td>EA</td>
<td>NO BID</td>
</tr>
<tr>
<td>3</td>
<td>ALUMINUM PEDESTAL POLE (15 FT) (with base, anchor bolts and collar)</td>
<td></td>
<td>EA</td>
<td>NO BID</td>
</tr>
<tr>
<td>4</td>
<td>ADA PUSHBUTTON</td>
<td></td>
<td>EA</td>
<td>NO BID</td>
</tr>
</tbody>
</table>

**SECTION VIII - TOTAL**

$ 0 NO BID

**SECTION VIII - DELIVERY TIME:**

Calendar days after receipt of order

---
### SECTION IX (IN-ROADWAY TRAFFIC SENSOR)

<table>
<thead>
<tr>
<th>NO.</th>
<th>ITEM</th>
<th>BRAND/MODEL NUMBER</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>COMPLETE SENSOR ASSEMBLY</td>
<td></td>
<td>EA</td>
<td>no bid</td>
</tr>
<tr>
<td>2</td>
<td>WIRELESS SENSOR</td>
<td></td>
<td>EA</td>
<td>no bid</td>
</tr>
<tr>
<td>3</td>
<td>ACCESS POINT UNIT</td>
<td></td>
<td>EA</td>
<td>no bid</td>
</tr>
<tr>
<td>4</td>
<td>REPEATER UNIT</td>
<td></td>
<td>EA</td>
<td>no bid</td>
</tr>
<tr>
<td>5</td>
<td>INTERFACE CARD</td>
<td></td>
<td>EA</td>
<td>no bid</td>
</tr>
</tbody>
</table>

**SECTION IX TOTAL** $no bid$

**SECTION IX - DELIVERY TIME:** CALENDAR DAYS AFTER RECEIPT OF ORDER

### SECTION X (PEDESTRIAN ACTIVATED RAPID FLASH BEACON SYSTEM)

<table>
<thead>
<tr>
<th>NO.</th>
<th>ITEM</th>
<th>BRAND/MODEL NUMBER</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SOLAR CROSSWALK RAPID FLASH BEACON ASSEMBLY</td>
<td></td>
<td>EA</td>
<td>NO BID</td>
</tr>
<tr>
<td>2</td>
<td>ADA PUSHBUTTON</td>
<td></td>
<td>EA</td>
<td>NO BID</td>
</tr>
</tbody>
</table>

**SECTION X TOTAL** $NO BID$

**SECTION X - DELIVERY TIME:** CALENDAR DAYS AFTER RECEIPT OF ORDER
ARLINGTON COUNTY, VIRGINIA  
OFFICE OF THE PURCHASING AGENT  
INVITATION TO BID NO. 505-13  

REVISED BID FORM  

SUBMIT TWO (2) FULLY-COMPLETED AND SIGNED BID FORMS TO THE OFFICE OF  
THE BID CLERK, SUITE 511, 2100 CLARENDON BLVD., ARLINGTON, VIRGINIA,  
22201 (ONE FORM SHALL CONTAIN AN ORIGINAL LONGHAND SIGNATURE; THE OTHER  
SHALL BE A PHOTOCOPY OF THE SIGNED ORIGINAL)  

BIDS WILL BE OPENED AT 2:00 P.M. ON AUGUST 14, 2012  

FOR PROVIDING TRAFFIC SIGNAL EQUIPMENT PER THE TERMS, CONDITIONS AND  
SPECIFICATIONS OF THIS SOLICITATION:  

1. DO YOU AGREE TO PROVIDE THE BID ITEMS IN COMPLIANCE WITH THE FEDERAL  
AND STATE TERMS AND CONDITIONS INCLUDED IN SECTION IV OF THIS  
SOLICITATION?  

× YES   ____ NO  

Bidders who answer "NO" to the question above will be considered for  
award for provision of equipment for Arlington County funded  
projects only.  

Bidders who answer "NO" to the question above do not have to  
complete pages 7-9 of the Bid Form.  

PLEASE COMPLETE THE PRICING SHEET PROVIDED WITH THE BID DOCUMENTS AS  
ATTACHMENT A TO ITB NO. 505-13 AND SUBMIT IT WITH YOUR BID.  

FAILURE TO SUBMIT THE PRICING SHEET WITH THE BID WILL DEEM THE BIDDER  
UNRESPONSIVE.  

The undersigned understands and acknowledges the following:  

The official, true, and complete copy of the solicitation documents,  
WHICH SHALL INCLUDE ALL AMENDMENTS THERETO, is the electronic copy of  
the solicitation documents provided at the County Purchasing Agent’s  
website (http://www.ariang-ova.us/purchasing).  

Each bidder is responsible for determining the accuracy and  
completeness of ALL solicitation documents they receive, including  
documents obtained from the County, and documents obtained from all  
other sources.  

BIDDER NAME:  

Mast Inc.  

ITB No. 505-13  
Amendment No. 2
TRADE SECRETS OR PROPRIETARY INFORMATION:
Trade secrets or proprietary information submitted by a bidder in connection with a procurement transaction shall not be subject to public disclosure under the Virginia Freedom of Information Act. However, Section 4-111 of the Arlington County Purchasing Resolution states that the bidder must invoke the protection of this section prior to or upon submission of the data or other materials, and must identify the data or other materials to be protected and state the reasons why protection is necessary.

Please mark one:

( ) No, the bid I have submitted does **not** contain any trade secrets and/or proprietary information.

( ) Yes, the bid I have submitted does contain trade secrets and/or proprietary information.

If Yes, you must clearly identify below the exact data or other materials to be protected and list all applicable page numbers of the bid containing such data or materials:

____________________________________________________________________________________
____________________________________________________________________________________
____________________________________________________________________________________
____________________________________________________________________________________

State the specific reason(s) why protection is necessary:

____________________________________________________________________________________
____________________________________________________________________________________
____________________________________________________________________________________
____________________________________________________________________________________

If you fail to identify the data or other materials to be protected and state the reasons why protection is necessary in the space provided above, you will not have invoked the protection of Section 4-111 of the Purchasing Resolution. Accordingly, effective upon the award of contract, the bid will be open for public inspection consistent with applicable law.

CERTIFICATION OF NON-COLLUSION: The undersigned certifies that this bid is not the result of, or affected by, any act of collusion with another person (as defined in the Code of Virginia § 59.1-68.6 et seq.), engaged in the same line of business or commerce; or any act of fraud punishable under the Virginia Governmental Frauds Act (Code of Virginia § 18.2-498.1 et seq.).

BIDDER NAME: [Signature]

ITB No. 505-13
Amendment No. 2
CONTACT PERSON AND MAILING ADDRESS FOR DELIVERY OF NOTICES
Provide the name and address of the person designated by the Bidder to receive notices and other communications (Refer to section headed Notices in the Contract Terms and Conditions of this solicitation for further details):

Samuel Brendan Smith
M 154, Inc.
100 Box 203
Middletown, Va. 22428

THE PROPER AND FULL LEGAL NAME OF THE FIRM OR ENTITY SUBMITTING THIS BID MUST BE WRITTEN IN THE SPACE PROVIDED BELOW. THIS BID FORM, AND ALL OTHER DOCUMENTS REQUIRED BY THE INVITATION TO BID TO BE SUBMITTED WITH THIS BID FORM, INCLUDING, BUT NOT LIMITED TO ALL ISSUED AMENDMENTS, MUST BE FULLY AND ACCURATELY COMPLETED AND SIGNED BELOW BY A PERSON AUTHORIZED TO LEGALLY AND CONTRACTUALLY BIND THE BIDDER, OR THE BID MAY BE REJECTED:

AUTHORIZED SIGNATURE

PRINT NAME AND TITLE
Samuel H. Smith, Jr. President

INDICATE THE NAME AND CONTACT INFORMATION OF THE PERSON WHO CAN RESPOND AUTHORITATIVELY TO ANY QUESTIONS REGARDING THIS BID (I.E. PROJECT MANAGER):

NAME (PRINTED): Samuel H. Smith, Jr. TITLE: President
E-MAIL ADDRESS: sm@minispring.com TEL. NO.: 703.387.6738

ITB No. 505-13
Amendment No. 2
<table>
<thead>
<tr>
<th>SUBMITTED BY: (LEGAL NAME OF FIRM)</th>
<th>Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADDRESS:</td>
<td>P.O. Box 203</td>
</tr>
<tr>
<td>CITY/STATE/ZIP:</td>
<td>Middletown, Va. 20118</td>
</tr>
<tr>
<td>TELEPHONE NO:</td>
<td>540.687.5264</td>
</tr>
<tr>
<td>FACSIMILE NO.:</td>
<td>540.687.5265</td>
</tr>
<tr>
<td>THIS FIRM IS A:</td>
<td>CORPORATION, X GENERAL PARTNERSHIP, ___ LIMITED PARTNERSHIP, ___ UNINCORPORATED ASSOCIATION, ___ LIMITED LIABILITY COMPANY, ___ SOLE PROPRIETORSHIP</td>
</tr>
<tr>
<td>IS FIRM AUTHORIZED TO TRANSACT BUSINESS IN THE COMMONWEALTH OF VA?</td>
<td>YES</td>
</tr>
<tr>
<td>IDENTIFICATION NO. ISSUED TO THE FIRM BY THE SCC:</td>
<td>54.1971/80</td>
</tr>
<tr>
<td>ANY BIDDER EXEMPT FROM SCC AUTHORIZATION REQUIREMENT SHALL INCLUDE A STATEMENT WITH ITS BID WHY THEY ARE NOT REQUIRED TO BE SO AUTHORIZED</td>
<td></td>
</tr>
<tr>
<td>IS YOUR FIRM CURRENTLY DEBARRED FROM SUBMITTING BIDS TO ARLINGTON COUNTY, VIRGINIA, THE FEDERAL GOVERNMENT, OR ANY OTHER STATE OR POLITICAL SUBDIVISION?</td>
<td>No</td>
</tr>
<tr>
<td>BIDDER STATUS:</td>
<td>MINORITY OWNED:</td>
</tr>
</tbody>
</table>
Metropolitan Washington Council of Governments (COG) 
Rider Clause

PERTAINING TO THE USE OF CONTRACT(S) BY MEMBERS OF THE METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS PURCHASING OFFICERS' COMMITTEE

A. If authorized by the bidder(s), resultant contract(s) will be extended to any or all of the listed members as designated by the bidder to purchase at contract prices in accordance with contract terms.

B. Any member utilizing such contract(s) will place its own order(s) directly with the successful contractor. There shall be no obligation on the part of any participating member to utilize the contract(s).

C. A negative reply will not adversely affect consideration of a bidder's bid/proposal.

D. It is the awarded vendor's responsibility to notify the members shown below of the availability of the Contract(s).

E. Each participating jurisdiction has the option of executing a separate contract with the awardee. Contracts entered into with a participating jurisdiction may contain general terms and conditions unique to that jurisdiction including, by way of illustration and not limitation, clauses covering minority participation, non-discrimination, indemnification, naming the jurisdiction as an additional insured under any required Comprehensive General Liability policies, and venue. If, when preparing such a contract, the general terms and conditions of a jurisdiction are unacceptable to the awardee, the awardee may withdraw its extension of the award to that jurisdiction.

F. The issuing jurisdiction shall not be held liable for any costs or damages incurred by another jurisdiction as a result of any award extended to that jurisdiction by the awardee.

Continued on next page
### BIDDER'S AUTHORIZATION TO EXTEND CONTRACT:

<table>
<thead>
<tr>
<th>YES/NO</th>
<th>JURISDICTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>✔</td>
<td>Alexandria, Virginia</td>
</tr>
<tr>
<td>✔</td>
<td>Alexandria Public Schools</td>
</tr>
<tr>
<td>✔</td>
<td>Alexandria Sanitation Authority</td>
</tr>
<tr>
<td>✔</td>
<td>Arlington County, Virginia</td>
</tr>
<tr>
<td>✔</td>
<td>Arlington County Public Schools</td>
</tr>
<tr>
<td>✔</td>
<td>Bladensburg, Maryland</td>
</tr>
<tr>
<td>✔</td>
<td>Bowie, Maryland</td>
</tr>
<tr>
<td>✔</td>
<td>Charles County Public Schools</td>
</tr>
<tr>
<td>✔</td>
<td>College Park, Maryland</td>
</tr>
<tr>
<td>✔</td>
<td>Culpeper County, Virginia</td>
</tr>
<tr>
<td>✔</td>
<td>District of Columbia</td>
</tr>
<tr>
<td>✔</td>
<td>District of Columbia Public Schools</td>
</tr>
<tr>
<td>✔</td>
<td>District of Columbia Water &amp; Sewer Authority</td>
</tr>
<tr>
<td>✔</td>
<td>Fairfax, Virginia</td>
</tr>
<tr>
<td>✔</td>
<td>Fairfax County, Virginia</td>
</tr>
<tr>
<td>✔</td>
<td>Fairfax County Water Authority</td>
</tr>
<tr>
<td>✔</td>
<td>Falls Church, Virginia</td>
</tr>
<tr>
<td>✔</td>
<td>Fauquier County Schools &amp; Government, Virginia</td>
</tr>
<tr>
<td>✔</td>
<td>Frederick, Maryland</td>
</tr>
<tr>
<td>✔</td>
<td>Frederick County, Maryland</td>
</tr>
<tr>
<td>✔</td>
<td>Gaithersburg, Maryland</td>
</tr>
<tr>
<td>✔</td>
<td>Greenbelt, Maryland</td>
</tr>
<tr>
<td>✔</td>
<td>Herndon, Virginia</td>
</tr>
<tr>
<td>✔</td>
<td>Leesburg, Virginia</td>
</tr>
<tr>
<td>✔</td>
<td>Loudoun County, Virginia</td>
</tr>
<tr>
<td>✔</td>
<td>Loudoun County Public Schools</td>
</tr>
<tr>
<td>✔</td>
<td>Loudoun County Sanitation Authority</td>
</tr>
<tr>
<td>✔</td>
<td>Manassas, Virginia</td>
</tr>
<tr>
<td>✔</td>
<td>City of Manassas Public Schools</td>
</tr>
<tr>
<td>✔</td>
<td>Manassas Park, Virginia</td>
</tr>
<tr>
<td>✔</td>
<td>Maryland-National Capital Park &amp; Planning Comm.</td>
</tr>
<tr>
<td>✔</td>
<td>Metropolitan Washington Airports Authority</td>
</tr>
<tr>
<td>✔</td>
<td>Metropolitan Washington Council of Governments</td>
</tr>
<tr>
<td>✔</td>
<td>Montgomery College</td>
</tr>
<tr>
<td>✔</td>
<td>Montgomery County, Maryland</td>
</tr>
<tr>
<td>✔</td>
<td>Montgomery County Public Schools</td>
</tr>
<tr>
<td>✔</td>
<td>OmniRide</td>
</tr>
<tr>
<td>✔</td>
<td>Prince George's County, Maryland</td>
</tr>
<tr>
<td>✔</td>
<td>Prince George's Public Schools</td>
</tr>
<tr>
<td>✔</td>
<td>Prince William County, Virginia</td>
</tr>
<tr>
<td>✔</td>
<td>Prince William County Public Schools</td>
</tr>
<tr>
<td>✔</td>
<td>Prince William County Service Authority</td>
</tr>
<tr>
<td>✔</td>
<td>Rockville, Maryland</td>
</tr>
<tr>
<td>✔</td>
<td>Spotsylvania County Schools</td>
</tr>
<tr>
<td>✔</td>
<td>Stafford County, Virginia</td>
</tr>
<tr>
<td>✔</td>
<td>Takoma Park, Maryland</td>
</tr>
<tr>
<td>✔</td>
<td>Upper Occoquan Sewage Authority</td>
</tr>
<tr>
<td>✔</td>
<td>Vienna, Virginia</td>
</tr>
<tr>
<td>✔</td>
<td>Virginia Railway Express</td>
</tr>
<tr>
<td>✔</td>
<td>Washington Metropolitan Area Transit Authority</td>
</tr>
<tr>
<td>✔</td>
<td>Washington Suburban Sanitary Commission</td>
</tr>
<tr>
<td>✔</td>
<td>Winchester, Virginia</td>
</tr>
<tr>
<td>✔</td>
<td>Winchester Public Schools</td>
</tr>
</tbody>
</table>

### BIDDER'S LEGAL NAME:

[Signature]

### DATE OF BID: 8-27-12
COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
AFFIDAVIT

PROJECT NO: ________________________________  
FHWA NO: ________________________________

This form must be completed, signed, notarized and returned with bid; and failure to do so, may result in the rejection of your bid. A separate form must be submitted by each principal of a joint venture bid.

1. I, the firm, corporation or officers, agents or employees thereof have neither directly nor indirectly entered into any combination or arrangement with any person, firm or corporation or entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with such contract, the effect of which is to prevent competition or increase the cost of construction or maintenance of roads or bridges.

During the preceding twelve months, I (we) have been a member of the following Highway Contractor’s Associations, as defined in Section 33.1-336 of the Code of Virginia (1970). (If none, so state).

NAME ________________________________  
Location of Principal Office ________________________________

2. I (we) have _____, have not X, participated in a previous contract or subcontract subject to the equal opportunity clause, as required by Executive Orders 10925, 11114, or 11248, and that I/We have _____, have not X, filed with the joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government contracting or administering agency, or the former President’s Committee on Equal Employment Opportunity, all reports due under the applicable filing requirements.

Note: The above certification is required by the Equal Employment Opportunity Regulations of the Secretary of Labor [41 CFR 60-1.7(b)(1)], and must be submitted by bidders and proposed subcontractors only in connection with contracts and subcontracts which are subject to the equal opportunity clause. Contracts and subcontracts which are exempt from the equal opportunity clause are set forth in 41 CFR 60-1.5. (Generally only contract or subcontracts of $10,000 or under are exempt.)

Currently, Standard Form 100 (EEO-1) is the only report required by the Executive Orders or their implementing regulations.

Proposed prime contractors and subcontractors who have participated in a previous contract or subcontract subject to the Executive Orders and have not filed the required reports should note that 41 CFR 60-1.7(b)(1) prevents the award of contract and subcontract unless such contractor submits a report covering the delinquent period or such other period specified by the Federal Highway Administration or by the Director, Office of Federal Contract Compliance, U.S. Department of Labor.

3. The bidder certifies to the best of its knowledge and belief, that it and its principals:

(a) Are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or agency;

(b) Have not within a three year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offence in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
REVISED BID FORM, PAGE 8 OF 9

(c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated above; and

(d) Where the bidder is unable to certify to any of the statements in this certification, the bidder shall show an explanation below.

Explanations will not necessarily result in denial of award, but will be considered in determining bidder responsibility. For any explanation noted, indicate below to whom it applies, initiating agency, and dates of action. Providing false information may result in federal criminal prosecution or administration sanctions. The bidder shall provide immediate written notice to the Department if at any time the bidder learns that its certification was erroneous when submitted or has become erroneous by reason of change circumstances.

The undersigned is duly authorized by the bidder to make the foregoing statements to be filed with bids submitted on behalf of the bidder for contracts to be let by the Commonwealth Transportation Board.

Signed

[Signature]

County (City), STATE

[Name of Firm]

By:

[Signature]

Title (print)

STATE of Virginia

To-wit:

[Name of Firm]

COUNTY (CITY) of Loudoun

[Signature]

Notary Public

[Signature]

My Commission expires [Date]

[ Stamp]

[Stamp]
COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

PROJECT: __________________________

FHWA: __________________________

This form must be completed, signed and returned with bid; and failure to do so may result in the rejection of your bid. THE CONTRACTOR SHALL AFFIRM THE FOLLOWING STATEMENT EITHER BY SIGNING THE AFFIDAVIT AND HAVING IT NOTARIZED OR BY SIGNING THE UNSWORN DECLARATION UNDER PENALTY OF PERJURY UNDER THE LAWS OF THE UNITED STATES. A SEPARATE FORM MUST BE SUBMITTED BY EACH PRINCIPAL OF A JOINT VENTURE BID.

STATEMENT. In preparation and submission of this bid, I, the firm, corporation or employees, agents or employees thereof did not, either directly or indirectly, enter into any combination or arrangement with any persons, firm or corporation or enter into any agreement, participate in any collusion, or otherwise take any action in the restraint of free, competitive bidding in violation of the Sherman Act (15 U.S.C. Section 1) or Article 1.1 or Chapter 12 of Title 16.2 (Virginia Governmental Frauds Act), Sections 59.1-9.1 through 59.1-9.17 or Sections 59.1-68.6 through 59.1-68.8 of the Code of Virginia.

AFFIDAVIT

The undersigned is duly authorized by the bidder to make the foregoing statement to be filed with bids submitted on behalf of the bidder for contracts to be let by the Commonwealth Transportation Board.

Signed as __________________________
(Mark)(Name of Firm) By: __________________________
(Signature) Title (print)

STATE of Virginia

COUNTY (CITY) of Louandon

To-wit: Chelsea Lee York
County(City) aforesaid, hereby certify that this day August 27, 2012, Samuel H. Smith, a Notary Public in and for the State and personally appeared before me and made oath that he is duly authorized to make the above statements and that such statements are true and correct.

Subscribed and sworn to before me this day of August, 2012.

Chelsea Lee York
Notary Public

[Stamp]

CHELSEA LEE YORK
NOTARY PUBLIC
REG. #700626
MY COMMISSION EXPIRES 02/28/15

11
ISB No. 505-13
Amendment No. 2
### SECTION I (BATTERY BACK-UP FOR TRAFFIC SIGNALS)
(The Assembly shall include the UPS, Batteries, auxiliary cabinet & the switching device)

<table>
<thead>
<tr>
<th>NO.</th>
<th>ITEM</th>
<th>BRAND/MODEL NUMBER</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>BATTERY BACK-UP ASSEMBLY</td>
<td>Signal Sense Dbl Conv SSDC 1000</td>
<td>EA</td>
<td>$2,275.00</td>
</tr>
<tr>
<td>2</td>
<td>BATTERY PACKAGE (IDENTIFY NO. OF BATTERIES)</td>
<td>Dekka 100amphr</td>
<td>EA</td>
<td>$265.00</td>
</tr>
<tr>
<td>3</td>
<td>AUXILIARY CABINET</td>
<td>TCS Arl</td>
<td>EA</td>
<td>$985.00</td>
</tr>
</tbody>
</table>

**SECTION I TOTAL**  
$3,525.00

### SECTION II (BACKLIT LED SIGNS)
(The cost shall include the photocell and the mounting hardware)

<table>
<thead>
<tr>
<th>NO.</th>
<th>ITEM</th>
<th>BRAND/MODEL NUMBER</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>INTERNALLY ILLUMINATED LED SIGNS (ONE-SIDED, 4 FT LONG)</td>
<td>Transportation Ctrl Systems</td>
<td>EA</td>
<td>$1,350.00</td>
</tr>
<tr>
<td>2</td>
<td>INTERNALLY ILLUMINATED LED SIGNS (ONE-SIDED, 6 FT LONG)</td>
<td>Transportation Ctrl Systems</td>
<td>EA</td>
<td>$1,600.00</td>
</tr>
<tr>
<td>3</td>
<td>INTERNALLY ILLUMINATED LED SIGNS (ONE-SIDED, 8 FT LONG)</td>
<td>Transportation Ctrl Systems</td>
<td>EA</td>
<td>$1,775.00</td>
</tr>
<tr>
<td>4</td>
<td>INTERNALLY ILLUMINATED LED SIGNS (TWO-SIDED, 4 FT LONG)</td>
<td>Transportation Ctrl Systems</td>
<td>EA</td>
<td>$1,465.00</td>
</tr>
<tr>
<td>5</td>
<td>INTERNALLY ILLUMINATED LED SIGNS (TWO-SIDED, 6 FT LONG)</td>
<td>Transportation Ctrl Systems</td>
<td>EA</td>
<td>$1,685.00</td>
</tr>
<tr>
<td>6</td>
<td>INTERNALLY ILLUMINATED LED SIGNS (TWO-SIDED, 8 FT LONG)</td>
<td>Transportation Ctrl Systems</td>
<td>EA</td>
<td>$2,095.00</td>
</tr>
</tbody>
</table>

**SECTION II TOTAL**  
$9,970.00

### SECTION II - DELIVERY TIME:  
30 days ARO

### SECTION III-A (SIGNAL ACCESSORIES)

<table>
<thead>
<tr>
<th>NO.</th>
<th>ITEM</th>
<th>BRAND/MODEL NUMBER</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ADA PUSHBUTTON</td>
<td>BDLIII-X/AFBC-X</td>
<td>EA</td>
<td>$85.00</td>
</tr>
<tr>
<td>2A</td>
<td>ACCESSIBLE PED SIGNAL (type Polara)</td>
<td>Polara EN45DB1B/PHC0-QW</td>
<td>EA</td>
<td>$625.00</td>
</tr>
<tr>
<td>2B</td>
<td>POLARA TYPE CONFIGURATOR (REMOTE) FOR ITEM 2A ABOVE</td>
<td>ECON</td>
<td>EA</td>
<td>$315.00</td>
</tr>
</tbody>
</table>

**SECTION III-A TOTAL**  
$1,025.00

### SECTION III-A - DELIVERY TIME:  
30 days ARO

---

Page 1 of 4
### SECTION III-B (SIGNAL ACCESSORIES)

<table>
<thead>
<tr>
<th>NO.</th>
<th>ITEM</th>
<th>BRAND/MODEL NUMBER</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ALUMINUM PEDESTAL POLE (7 FT)</td>
<td></td>
<td>EA</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>ALUMINUM PEDESTAL POLE (9 FT)</td>
<td></td>
<td>EA</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>ALUMINUM PEDESTAL POLE (11 FT)</td>
<td></td>
<td>EA</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>ALUMINUM PEDESTAL POLE (13 FT)</td>
<td></td>
<td>EA</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>ALUMINUM PEDESTAL POLE (15 FT)</td>
<td></td>
<td>EA</td>
<td></td>
</tr>
</tbody>
</table>

**SECTION III-B TOTAL $**

**SECTION III-B - DELIVERY TIME:**

CALENDAR DAYS AFTER RECEIPT OF ORDER

### SECTION IV (SCHOOL FLASHER ASSEMBLY)

<table>
<thead>
<tr>
<th>NO.</th>
<th>ITEM</th>
<th>BRAND/MODEL NUMBER</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AC SCHOOL FLASHER ASSEMBLY (With Pager Programmable Timeswitch)</td>
<td></td>
<td>EA</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>SOLAR FLASHER ASSEMBLY (With Pager Programmable Timeswitch)</td>
<td></td>
<td>EA</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>AC SCHOOL FLASHER ASSEMBLY (With Non-pager Timeclock)</td>
<td></td>
<td>EA</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>SOLAR FLASHER ASSEMBLY (With Non-pager Timeclock)</td>
<td></td>
<td>EA</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>PAGER PROGRAMMABLE TIME-SWITCH</td>
<td></td>
<td>EA</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>HAND-HELD PDA (FOR FIELD DATA DOWNLOAD)</td>
<td></td>
<td>EA</td>
<td></td>
</tr>
</tbody>
</table>

**SECTION IV TOTAL $**

**SECTION IV - DELIVERY TIME:**

CALENDAR DAYS AFTER RECEIPT OF ORDER

### SECTION V (PREEMPTION DEVICE)

<table>
<thead>
<tr>
<th>NO.</th>
<th>ITEM</th>
<th>BRAND/MODEL NUMBER</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>COMPLETE PREEMPTION PACKAGE (2 DETECTORS, 1 EMITTER, 1 INTERFACE UNIT)</td>
<td>Opticom 721(2),764,138(500'),794H</td>
<td>EA</td>
<td>$ 5,425.00</td>
</tr>
<tr>
<td>2</td>
<td>PREEMPTION PACKAGE (1 DETECTOR, 1 EMITTER, 1 INTERFACE UNIT)</td>
<td>Opticom 721,794H,764</td>
<td>EA</td>
<td>$ 4,635.00</td>
</tr>
<tr>
<td>3</td>
<td>ROAD-SIDE DETECTOR</td>
<td>Opticom 721</td>
<td>EA</td>
<td>$ 565.00</td>
</tr>
<tr>
<td>4</td>
<td>ON-BOARD EMITTER</td>
<td>Opticom 794H</td>
<td>EA</td>
<td>$ 1,095.00</td>
</tr>
<tr>
<td>5</td>
<td>CONTROLLER INTERFACE UNIT</td>
<td>Opticom 764</td>
<td>EA</td>
<td>$ 2,975.00</td>
</tr>
</tbody>
</table>

**SECTION V TOTAL $14,695.00**

**SECTION V - DELIVERY TIME:**

3-4 weeks after receipt of order

CALENDAR DAYS AFTER RECEIPT OF ORDER
### SECTION VI (BATTERY BACK-UP FOR TRAFFIC SIGNALS)
(The Assembly shall include the UPS, Batteries, auxiliary cabinet & the switching Device)

<table>
<thead>
<tr>
<th>NO.</th>
<th>ITEM</th>
<th>BRAND/MODEL NUMBER</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ROADSIDE SPEED INDICATOR ASSEMBLY (SOLAR)</td>
<td>VSC1520/Speed Check/Info Display</td>
<td>EA</td>
<td>$ 6,500.00</td>
</tr>
<tr>
<td>2</td>
<td>ROADSIDE SPEED INDICATOR ASSEMBLY (AC)</td>
<td>VSC1520AC/Speed Check/Info Display</td>
<td>EA</td>
<td>$ 5,995.00</td>
</tr>
</tbody>
</table>

**SECTION VI TOTAL:** $ 14,495.00

**SECTION VI - DELIVERY TIME:** 30 days ARO

**CALENDAR DAYS AFTER RECEIPT OF ORDER**

### SECTION VII (LED SIGNAL HEADS AND MOUNTING BRACKETS)

<table>
<thead>
<tr>
<th>NO.</th>
<th>ITEM</th>
<th>BRAND/MODEL NUMBER</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>12-12-12 LED RGY SIGNALS</td>
<td>NAI/GE</td>
<td>EA</td>
<td>$ 395.00</td>
</tr>
<tr>
<td>2</td>
<td>12-12-12 RGY EMPTY HOUSINGS READY FOR LED</td>
<td>NAI</td>
<td>EA</td>
<td>$ 165.30</td>
</tr>
<tr>
<td>3</td>
<td>12 INCH 5 SECTION &quot;DOG HOUSE&quot; STYLE LED SIGNALS</td>
<td>NAI/GE</td>
<td>EA</td>
<td>$ 660.30</td>
</tr>
<tr>
<td>4</td>
<td>12 INCH 5 SECTION &quot;DOG HOUSE&quot; STYLE CLUSTER SIGNALS EMPTY HOUSINGS READY FOR LED</td>
<td>NAI</td>
<td>EA</td>
<td>$ 273.30</td>
</tr>
<tr>
<td>5</td>
<td>PEDESTRIAN LED SIGNALS (COUNTDOWN SIGNALS)</td>
<td>NAI/GE</td>
<td>EA</td>
<td>$ 297.75</td>
</tr>
<tr>
<td>6</td>
<td>16'18 PEDESTRIAN EMPTY HOUSINGS READY FOR LED</td>
<td>NAI</td>
<td>EA</td>
<td>$ 105.00</td>
</tr>
<tr>
<td>7</td>
<td>HARDWARE FOR SPANKIRE MOUNT</td>
<td></td>
<td>EA</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>ASTRO-BRAC FOR 3 SECTION 12-12-12</td>
<td></td>
<td>EA</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>ASTRO-BRAC FOR 5 SECTION 12&quot; DOGHOUSE SIGNAL</td>
<td></td>
<td>EA</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>PEDESTRIAN SIGNAL MOUNT ONE-WAY (TOP/SIDE MOUNT)</td>
<td></td>
<td>EA</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>PEDESTRIAN SIGNAL MOUNT TWO-WAY (TOP/SIDE MOUNT)</td>
<td></td>
<td>EA</td>
<td></td>
</tr>
</tbody>
</table>

**SECTION VII TOTAL:** $ 1,897.75

**SECTION VII - DELIVERY TIME:** 30 days ARO

**CALENDAR DAYS AFTER RECEIPT OF ORDER**

### SECTION VIII (PEDESTRIAN ACTIVATED CROSSWALK FLASHERS)

<table>
<thead>
<tr>
<th>NO.</th>
<th>ITEM</th>
<th>BRAND/MODEL NUMBER</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SOLAR CROSSWALK FLASHER ASSEMBLY (single beacon)</td>
<td></td>
<td>EA</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>SOLAR CROSSWALK FLASHER ASSEMBLY (double beacon)</td>
<td></td>
<td>EA</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>ALUMINUM PEDESTAL POLE (15 FT) (with base, anchor bolts and collar)</td>
<td></td>
<td>EA</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>ADA PUSHBUTTON</td>
<td></td>
<td>EA</td>
<td></td>
</tr>
</tbody>
</table>

**SECTION VIII TOTAL:** $ -

**SECTION VIII - DELIVERY TIME:**

**CALENDAR DAYS AFTER RECEIPT OF ORDER**
## SECTION IX (IN-ROADWAY TRAFFIC SENSOR)

<table>
<thead>
<tr>
<th>NO.</th>
<th>ITEM</th>
<th>BRAND/MODEL NUMBER</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>COMPLETE SENSOR ASSEMBLY</td>
<td></td>
<td>EA</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>WIRELESS SENSOR</td>
<td></td>
<td>EA</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>ACCESS POINT UNIT</td>
<td></td>
<td>EA</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>REPEATER UNIT</td>
<td></td>
<td>EA</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>INTERFACE CARD</td>
<td></td>
<td>EA</td>
<td></td>
</tr>
</tbody>
</table>

**SECTION IX TOTAL**  
$\underline{\phantom{0}} \phantom{0}$

**SECTION IX - DELIVERY TIME:**  
CALENDAR DAYS AFTER RECEIPT OF ORDER

## SECTION X (PEDESTRIAN ACTIVATED RAPID FLASH BEACON SYSTEM)

<table>
<thead>
<tr>
<th>NO.</th>
<th>ITEM</th>
<th>BRAND/MODEL NUMBER</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SOLAR CROSSWALK RAPID FLASH BEACON ASSEMBLY</td>
<td></td>
<td>EA</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>ADA PUSHBUTTON</td>
<td></td>
<td>EA</td>
<td></td>
</tr>
</tbody>
</table>

**SECTION X TOTAL**  
$\underline{\phantom{0}} \phantom{0}$

**SECTION X - DELIVERY TIME:**  
CALENDAR DAYS AFTER RECEIPT OF ORDER
The following specifications detail the minimum acceptable physical functional and operational requirements for the equipment under this solicitation. All references to brand name items in the below sections are for illustrative purposes only. Bids are invited on other brands having generally the same characteristics of those specified.

A. Bid Notes

1. All equipment under this solicitation must meet the Arlington County Traffic Signal and Streetlight Specifications, current at the time of order. The specifications are available for download under the following link:

   http://www.arlingtonva.us/departments/EnvironmentalServices/dot/traffic/signals/EnvironmentalServicesHB16.aspx

2. All equipment under this solicitation shall be in compliance with Federal Highway Administration's Manual on Uniform Traffic Control Devices (MUTCD) specifications, the revision current at the time of order.

3. Arlington County, in its analysis, will consider relative costs, equivalency of features, serviceability, design, and performance capability of the items bid.

4. Bidders shall identify the brand and model numbers of the equipment bid. Complete descriptions of all equipment and materials shall be submitted with the bid for determination of compliance with specifications. This shall include catalogue cut sheets, and other data as needed (schematics, additional specifications, any exceptions to or variations from the specifications, etc.) to determine compliance with the specifications. **BIDS RECEIVED WITHOUT THE COMPLETE DESCRIPTIONS WILL BE SUBJECT TO REJECTION.**

5. **THE BIDDERS MAY BID ON ONE OR MORE SECTIONS OF THIS SOLICITATION. TO BE CONSIDERED FOR A SECTION, BIDDERS SHALL SUBMIT A BID FOR EVERY ITEM OF THE SECTION. BIDS THAT DON'T MEET THAT REQUIREMENT WILL BE SUBJECT TO REJECTION.** If no bid is offered for a section, the bidder should write the term 'no bid' in the unit price blanks for that section. The Bid Form is divided into the following sections:

   I. Battery Back-Up (UPS) for Traffic Signals
   II. Internally Illuminated LED Traffic Signs
   III. Various Traffic Signal Accessories (Part A, Part B)
   IV. School Flasher Assembly
   V. Preemption Device for Traffic Signals
   VI. Roadside Speed Indicator
   VII. LED Traffic Signals Heads & Mounting Brackets
   VIII. Pedestrian Activated Crosswalk Flashers
   IX. In-Roadway Traffic Sensor
   X. Pedestrian Activated Rapid Flash Beacon System
6. **If the County determines that a bid for a specific Section contains equipment that is not in compliance with the Arlington County Traffic Signal and Streetlight Specifications, the bid for that Section shall be subject to rejection. Such rejection does not preclude the bidder from an award in another Section.**

7. After review of the submitted cut sheets and specifications the County may, in its sole discretion, request samples of any or all equipment from the lowest responsive and responsible bidder for each Section.

8. The contract will be awarded to the lowest responsive and responsible bidder for each Section after determining the Section Total amount for each Section. Each bidder must indicate on the Bid Form if they will comply with federal and state terms and conditions included in Section IV. of this solicitation. If the lowest bidder for a given Section indicates that they are not able to comply with the federal and state terms and conditions, a secondary award will be made for that section to a lowest responsive and responsible bidder who agreed to the federal and state terms and conditions. The County will notify such secondary awardee when the County has requirement for federally or state-funded projects only.

All awards are contingent upon the County Staff’s review of the submitted equipment specifications and other documentation, and determination that each equipment item in the given Section fulfills the minimum County requirements.

B. **Warranty**

1. At the time of purchase the Contractor shall provide a written warranty for all devices and components thereof against defects in materials and workmanship. The warranty shall become effective at time of equipment delivery to the designated location.

2. All costs of labor, parts and transportation from the Contractor shall be borne by the Contractor for the duration of the warranty period.

3. A minimum of two (2) year warranty period against defective workmanship is required for all equipment in each section, unless otherwise noted in a specific Section below. For equipment containing LED components five (5) year warranty period is required, as detailed in Paragraph 4, below.

4. **LED Warranty for equipment containing LED:**

   The unit will be repaired or replaced by the manufacturer if it exhibits a failure to workmanship or material defects within the first 72 months of field operation.

   The unit will be repaired or replaced by the manufacturer if, when operating over the specified operating ambient temperature and voltage ranges, the unit does not produce luminous intensity equal or greater than maintained minimum intensity levels set forth herein.
during the first 72 months of field operation.

Light emitting diode signal modules will meet or exceed the standard light output values specified in the luminous intensity table, after 72 months of continuous use over the temperature range provided in the specifications.

The measured chromaticity coordinates of light emitting diode signal modules will conform to the requirements of chromaticity in Figure 1 of the ITE VTCSR and the FTCSI over the temperature range provided in the specification for the duration of the warranty period.

The manufacturer will provide a written warranty against defects in materials and workmanship for LED signal modules for a period of 72 months after installation of LED signal modules. Replacement LED signal modules will be provided within 5 days after receipt of failed LED signal modules at no cost to the County, except the cost of shipping the failed modules. LED shall be considered as failure LED when number of extinguished LED’S is more than 5% of the total for LED signals.

C. Delivery

1. The prices bid shall include all charges for delivery and unloading of the equipment and materials to:

   TRAFFIC ENGINEERING
   TRAFFIC SIGNAL SECTION
   4300 29th Street South
   Arlington, Virginia 22206

2. Delivery terms shall be F.O.B. Destination at the above Arlington County address.

3. The Contractor shall notify the Traffic signal shop of all deliveries at least twenty-four (24) hours in advance of the delivery by calling 703-228-6655 or 703-228-0650. Failure to notify the County about the delivery as above may result in the delivery being sent back and rescheduled at no additional cost to the County.

4. The Contractor shall be responsible for unloading the equipment in accordance with County Staff guidance.

5. Under normal conditions, the maximum allowable delivery time for signal equipment under all Sections is forty-five (45) calendar days with the exception of a delivery time of ninety (90) days for decorative pedestal poles in Section IV. Failure to meet this time may result in contract cancellation. Failure to specify delivery date within these timeframes on the bid form may result in the bid being considered nonresponsive.
SECTION I. BATTERY BACK-UP (UPS) FOR TRAFFIC SIGNALS

A typical UPS assembly includes the UPS unit, battery package, auxiliary cabinet and the switching device.

1. The UPS unit shall be able to keep a LED equipped intersection up and running for 7-8 hours during a power failure. The unit shall have typical recharge time of eight (8) hours or less.

2. The UPS unit shall have the capability of being housed in an auxiliary cabinet which is to be mounted to an existing NEMA "M" or "P" size cabinets.

3. The UPS unit shall operate within a temperature range from -40°C to +74°C.

4. The UPS unit shall have input power factor of 0.98 or greater. The efficiency of the unit shall not be less than 91% for output rating.

5. The event counter shall record number of power failures. The time duration counter shall be visible on the front panel. Both these counters shall be resettable. Information regarding the actual date and time of the event on the front panel is preferable.

SECTION II. INTERNALLY ILLUMINATED LED TRAFFIC SIGNS

This section includes overhead traffic signs to be mounted on traffic signal mast arms. These signs shall be internally illuminated with LED modules and be furnished with the mounting hardware and photocell. Wire terminations shall be made internally within the unit. The signs shall have white lettering with green background. The length of the signs will vary between 4 ft to 8 ft. The signs could either be single-sided or double-sided. The average wattage of a 6-ft one-sided sign shall be less than 20 Watt. The overall weight, excluding mounting hardware, shall not exceed six (6) pounds per square foot for single sided signs, and eight (8) pounds per square foot for double sided signs. The sign shall be designed and constructed to withstand 178 km/h (110 mph) wind loads in conformance with the requirements of the American Association of State Highway and Transportation Officials (AASHTO) publication, "Standard Specifications for Structural Supports of Highway Signs, Luminaries and Traffic Signals", edition current at time of order.

SECTION III. VARIOUS TRAFFIC SIGNAL ACCESSORIES

Various traffic signal accessories include ADA compliant "mushroom" pushbutton (Pelco Part # PB SE-2102-08-yellow or equivalent), Accessible Polara or equivalent Pedestrian Signal as
per signal specifications (shall include the station, control unit, configurator and the signs), aluminum pedestal poles (pelco Part # PB 5100 or equivalent with height ranging between 7 ft to 15 ft). The aluminum pedestal pole shall come with the base, anchor bolts and pole cap.

SECTION IV. SCHOOL FLASHER ASSEMBLY

A typical solar-powered school flasher assembly includes a fifteen (15) ft pedestal pole (with base, anchor bolts and collar), signal heads with hardware, a cabinet with solar array and batteries, twelve (12) volt DC LED signals, wiring harness, pager programmable time-switch and the associated hardware.

A typical AC-powered school flasher assembly includes a twelve (12) ft pedestal pole (with base, anchor bolts, collar and pole cap), signal heads with hardware and 120 AC volt LEDs, a cabinet with pager programmable time-switch and the associated hardware.

Either system shall have the capability to download programming for school schedule/calendar over an alphanumeric paging network, from a central computer or through a palm pilot and be compatible with the County's remote controlled school flasher database system.

SECTION V. PREEMPTION DEVICE FOR TRAFFIC SIGNALS

The system shall handle all emergency as well as transit vehicles provided with valid vehicle ID's. A typical preemption package includes one (1) on-board emitter (including switch, cable and hardware), one (1) interface unit, two (2) road-side detectors (including two (2) hangers, cable and hardware).

The preemption device shall work with the existing Opticom on-board equipment on Arlington County Fire Department's fire trucks without modifying existing main switch function.

The on-board emitter shall transmit industry standard carrier frequency for emergency band signals (14.035 +/- 0.003Hz) or for Transit Band Signals (9.639 +/- 0.0014Hz).

The road-side detector shall sense and transform signal from the on-board emitter that is to be decoded by the interface unit. The detector shall sense emitter signals over an adjustable range of 200 feet to 2500 feet in optimum atmospheric conditions. The detector shall be designed for mounting at or near an intersection on mast arms, pedestals, pipes, or span wires.

The interface unit shall be designed to be installed in the TS-2 traffic controller (TPAC 300 and M-50) cabinet to decode the signals from the road-side detector. The interface unit shall be able to recognize a low (transit)/ high (BV) signal and shall
give low/high output to the signal controller by ensuring that only authorized vehicles with valid vehicle ID’s are granted priority or preemption. This interface device shall also be able to read, communicate and store preemption and priority requests data to a centralized remote database management system, including but not limited to date, time, direction and vehicle ID.

SECTION VI. ROADSIDE SPEED INDICATOR

A typical solar roadside speed indicator assembly includes a LED speed indicator having a standard sign with “YOUR SPEED” message, a cabinet with solar array and batteries, wiring harness and the associated hardware.

A typical AC roadside speed indicator assembly includes a LED speed indicator having a standard sign with “YOUR SPEED” message, a cabinet with 120 v power, wiring harness and the associated hardware.

The unit shall be flexible enough to be mounted either on a pole or on a trailer. The wireless scheduling capability would be a plus.

SECTION VII. LED TRAFFIC SIGNAL HEADS & MOUNTING BRACKETS

A. Vehicular Traffic Signals

A typical vehicular traffic signal assembly consists of LED modules and a signal head with 12” sections without any mounting brackets.

1. LED Vehicular Signals shall meet all Institute of Transportation Engineers (ITE) specifications in effect at the time of order.

2. All hardware shall be stainless steel.

3. Signals that are to be supplied as empty housings ready for LED shall contain terminal block and visors only (No Optical Assembly).

4. The terminal block shall be a five-position, ten-terminal, barrier-type strip. Terminal wires leading to the lamp sockets shall be color coded red, yellow and green corresponding to the signal section where the wires connect to.

5. Visors shall be cutaway type.

6. Paint color shall be yellow matching Federal Standard 595a-13538.
7. Three (3) Section Astro-Bracket shall be Pelco Part # AB-0125-3-84ss or equivalent. Five (5) Section Astro-Bracket shall be Pelco Part # AB-0138-2-84ss or equivalent.

B. Pedestrian Traffic Signals

A typical pedestrian traffic signal assembly shall consist of LED module within a 16" section without any mounting brackets.

1. LED Pedestrian Signals shall meet all Institute of Transportation Engineers (ITE) specifications in effect at the time order.

2. All hardware shall be stainless steel.

3. Pedestrian Signals shall display symbolic "Walk" and "Don't Walk" messages. Countdown displays shall start with the beginning of Flashing "Don't Walk". Any external programming device shall be readily accessible.

4. Signals that are to be supplied as empty housings ready for LED shall contain terminal block and visors only (No Optical Assembly).

5. A three-position, barrier-type terminal block shall be installed inside the housing.

6. A sunscreen zig-zag cell type visor shall be provided to eliminate sun phantom. The visor shall have a flat-black finish on both sides.

7. All pedestrian signal assembly and supporting bracket shall be painted yellow. Paint color shall be yellow matching Federal Standard 595a-13538.

8. Supporting brackets shall be aluminum and be standard Pelco Parts or equivalent.

SECTION VIII. PEDESTRIAN ACTIVATED CROSSWALK FLASHERS

A typical solar-powered pedestrian activated flasher assembly shall include yellow signal heads with solar array and batteries, twelve (12) volt LED signals, and associated hardware. The primary function of the unit shall be to activate flashing yellow signals (through wireless communication at additional units) when a user pushes a pedestrian pushbutton. The unit shall be able to communicate with up to ten (10) field units simultaneously.

SECTION IX. IN-ROADWAY TRAFFIC SENSOR

A minimum of three (3) year warranty period against defective workmanship is required.
Typical in-pavement vehicle detection assembly shall include wireless sensors embedded in the pavement, access point, the interface card to be installed in NEMA TS1/TS2 cabinets, and the associated hardware. The system shall be able to provide presence detection, volume, occupancy, speed and vehicle classification data. The system shall work within a detection range of one hundred fifty (150) feet without using a repeater.

SECTION X. PEDESTRIAN ACTIVATED RAPID FLASH BEACON SYSTEM

A typical solar-powered pedestrian activated rapid flash assembly includes dual-indicated (front and back) rectangular shaped two (2) LED beacons with solar array and batteries, pedestrian crossing signs, push-button, additional LEDs for sign/pad lighting and push-button confirmation, and associated hardware. The primary function of the unit shall be to activate stutter flash pattern in yellow signals (through wireless communication at additional units) when a user pushes a pedestrian pushbutton.