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John P. Kelly, Commissioner

Tristin J. Collins, Director, Management & Budget
Jennifer L. Bowens, Purchasing Agent

County of Ocean
Administration Building
101 Hooper Avenue
Toms River, NJ 08754

BID

SOLAR POWERED MESSAGE SIGNS AND PORTABLE LIGHT TOWERS

2023

ADVERTISEMENT DATE: June 7, 2023

OPENING: June 27, 2023, 11:00 am

Bid Category: 24- Safety and Protection Equipment and Related Services

NOTICE TO BIDDERS

NOTICE IS HEREBY GIVEN that sealed bids for the furnishing and delivery of **SOLAR POWERED MESSAGE SIGNS AND PORTABLE LIGHT TOWERS** for the County of Ocean, will be received by the Purchasing Agent of the County of Ocean on **Tuesday, June 27, 2023 at 11:00 am**, prevailing time.

Bids will be received electronically via the [County's OpenGov Electronic Bid Portal \(https://procurement.opengov.com/portal/oceancounty/\)](https://procurement.opengov.com/portal/oceancounty/)

Specifications and form of proposal are on the **Procurement Portal (Link Above)** or available for viewing in the Department of Purchase, Room #224, Administration Building, 101 Hooper Avenue, Toms River, New Jersey. Direct all inquiries to Jennifer L. Bowens, Purchasing Agent.

Bidders are required to comply with the requirements of N.J.S.A. 10:5-31 et seq. and P.L. 1975 C. 127 (N.J.A.C. 17:27-1 et seq.) regarding equal employment opportunities and with the requirements of P.L. 1977 C.33 regarding corporate and/or partnership ownership.

The right to reject any and all bids is reserved in accordance with applicable law.

By order of the Board of Commissioners of the County of Ocean.

Signed:

JOSEPH H. VICARI, Director

JENNIFER L. BOWENS, Purchasing Agent

CONTACT INFORMATION AND PROJECT TIMELINE

Summary

The purpose of this bid package is to provide the County of Ocean with a Contractor who will supply the goods or services described and specified herein.

Contact Information

For further information regarding these specifications, contact

Jessica Hannold

Buyer

101 Hooper Ave.

Room 224

Toms River, NJ 08753

Email: ocpurchasing@co.ocean.nj.us

Phone: [\(732\) 929-2103](tel:(732)929-2103)

Department:

Roads, Engineering

Timeline

Advertising Date	June 7, 2023
Bid Opening Date	June 27, 2023, 11:00am Administration Building, 101 Hooper Ave., Room 119, Toms River, NJ, 08753

IMPORTANT INSTRUCTIONS FOR ELECTRONIC SUBMITTAL

Instructions for Electronic Bid Submission

The County is accepting electronic bid submissions with Open Gov by following these instructions:

Sign up for a FREE account at <https://procurement.opengov.com/portal/oceancounty>

Once you have completed account registration, browse back to this page: [County's OpenGov Electronic Bid Portal \(https://procurement.opengov.com/portal/oceancounty/\)](https://procurement.opengov.com/portal/oceancounty/)

Click on the bid of interest, then click "Draft Response".

Follow the instructions to submit the electronic bid.

It is important to note that this process should be completed well in advance of the bid deadline / bid opening. DO NOT WAIT UNTIL THE LAST MINUTE. The County's electronic submission system will not allow electronic bids to be submitted once the deadline has passed, even if you've already started the process. The deadline is based on the countdown timer found on the ProcureNow bid submission page.

INSTRUCTIONS TO BIDDERS

Bid Opening

All bids will be opened publicly in the Administration Building, Room 119, 101 Hooper Avenue, Toms River, New Jersey, commencing at 11:00 am, prevailing time on Tuesday, June 27, 2023.

Electronic Bid Submissions

Bids must be submitted electronically through Ocean County's Procurement Portal by the date and time stipulated in the Notice to Bidders.

Deadline Instructions

The County will not be responsible for late bids, and no bids will be accepted if received after the time stipulated in the notice to bidders.

Completion of all Documents

Bidders shall complete all documents and acknowledge all terms included with the bid package. All documents should be from this bid package and must not be dated or executed prior to the date of advertising. Failure to follow these instructions is cause for rejection.

NOTE: In order to access any DocuSign forms in this solicitation, you must first click "Draft Response".

Instructions on how to access the forms through DocuSign are available in the Attachments. Please note that in order to view the forms as a .pdf document, you must access DocuSign first. Once you access DocuSign, the option to download, save, print and complete the forms becomes available

Right to Reject

The County reserves the right to reject all bids in accordance with N.J.S.A. 40A:11-13.2, to waive any informalities in the bid and to accept the lowest responsible bid in accordance with applicable law.

Bidder Default

In case of default by the bidder or contractor, the County of Ocean may procure the articles or services from other sources and hold the bidder or contractor responsible for any excess cost occasioned thereby.

Indemnity

The bidder, if awarded a contract, agrees to protect, defend and save harmless the County against any damage for payment for the use of any patented material process, article or device that may enter into the manufacture, construction or form a part of the work covered by either order or contract, and he further agrees to indemnify and save harmless the County from suits or actions of every nature and description brought against it, for, or on account of injuries or damages received or sustained by any party or parties by, or from any of the negligent acts of the contractor, his servants or agents.

Specifications

It is to be understood by the bidder that this bid is submitted on the basis of specifications prepared by the County and the fact that any bidder is not familiar with these specifications or conditions will not be accepted as an excuse.

Bid Security

NO BID SECURITY

Performance Bond

NO PERFORMANCE BOND

Pricing Proposal

Bidders must use the pricing proposal provided in the bid specifications. Failure to use the pricing proposal in the bid specifications shall be cause for rejection of the bid.

Pricing

Insert prices for furnishing all of the material and/or labor described or required. Prices shall be net, including any charges for packing, crating, containers, etc. and all transportation charges fully prepaid by the contractor F.O.B. destination and placement at locations specified by the County. No additional charges will be allowed for any transportation costs resulting from partial shipments made at the vendor's convenience when a single shipment is ordered.

Payment

Payments will be made upon the approval of vouchers submitted by the successful bidders in accordance with the requirements of the Board of Commissioners and subject to the Board of Commissioners customary procedures. The County will not pay interest or late fees regardless of language provided.

Discrepancy in Pricing

In the event that there is a discrepancy between the unit prices and the extended totals, the unit prices shall prevail. In the event there is an error of the summation of the extended totals, the computation by the OWNER of the extended totals shall govern.

Award Timeframe

Award will be made by Ocean County Board of Commissioners within sixty (60) days after receipt of bids.

Equal or Tie Bids

The County of Ocean reserves the right to award at their discretion to any one of the tie bidders where it is most advantageous for the County to do so, pursuant to N.J.S.A. 40A:11-6.1.

Tax Exempt

The County of Ocean is exempt from any State sales tax or Federal excise tax.

Equivalent Product

For purpose of evaluation where an equivalent product is being furnished, bidder must indicate any variation to our specifications no matter how slight. If no variations are indicated, it will be construed that the bid fully complies with our specifications.

Quantities

Quantities shown are approximate and the County reserves the right to decrease or omit quantities. The County will not consider minimums placed on order quantities. The County also reserves the right to increase quantities to twenty (20) percent of the maximum quantities listed at the unit price bid, in accordance with N.J.A.C. 5:30-11.3.

Delivery of Goods and Services

Delivery shall be made upon receipt of a Purchase Order issued by the Ocean County Department of Purchase, upon which delivery locations and needed quantities shall be indicated.

American Goods and Products

All contractors must comply with the provisions of New Jersey Statute Title 40A:11-18, when applicable.

Market Conditions

Due to the fact that goods provided by this solicitation and the current economic conditions are in a volatile state, the County will allow the Contractor to request a price adjustment outside the normal contract renewal process **only if it can be demonstrated and documented that on a national basis the goods solicited and utilized have experienced a significant cost increase since the date of contract award.**

Such events shall be industry wide and cause all related product prices to be effected. **All price adjustment requests must be in writing and submitted to the Ocean County Purchasing Department for approval.** If approved, the Contractor will provide the County with revised pricing. The Contractor may not request an additional increase for a period of three (3) months from the prior request.

Note: A request for price increase does not guarantee approval.

Assignment

This agreement shall not be assigned without the written consent of the County of Ocean.

NJ One Call

By presenting a bid, contractor declares that he is aware of and, if required, will comply with the requirements of the "Underground Facility Protection Act (Public Law 1994, Chapter 118)" prior to commencing any intended excavation. The telephone number to call is 1-800-272-1000.

Public Works Contractor Registration Act, N.J.S.A. 34:11-56.48 et seq

The bidder must comply with the provisions of "The Public Works Contractor Registration Act", if applicable.

- All named contractors must be registered with the Department of Labor and Workforce Development pursuant to the Public Works Contractor Registration Act at the time the proposal is received, or the proposal will be determined to be non-responsive.

- Any non-listed contractor must be registered with the Department of Labor and Workforce Development prior to physically starting work. It is the responsibility of the General Contractor to insure that all non-listed sub-contractors comply.
- Contractors are encouraged to submit their and all named sub-contractors' Public Works Contractor Registration Certificates with the bid.

Prevailing Wage & Labor Laws

The New Jersey Prevailing Wage Act (P.L. 1963, Chapter 150) and provisions of the State Labor Laws must be complied with by the successful bidder, if applicable. The current Prevailing Wage Rates can be found online at <https://www.nj.gov/labor/wageandhour/prevailing-rates/public-works/currentprevailingwage.shtml>

New Jersey Business Registration Requirements

Pursuant to N.J.S.A. 52:32-44, Ocean County ("Contracting Agency") is prohibited from entering into a contract with an entity unless the bidder/proposer/contractor, and each subcontractor that is required by law to be named in a bid/proposal/contract has a valid Business Registration Certificate on file with the Division of Revenue and Enterprise Services within the Department of the Treasury.

Prior to contract award or authorization, the contractor shall provide the Contracting Agency with its proof of business registration and that of any named subcontractor(s).

Subcontractors named in a bid or other proposal shall provide proof of business registration to the bidder, who in turn, shall provide it to the Contracting Agency prior to the time a contract, purchase order, or other contracting document is awarded or authorized.

During the course of contract performance:

(1) the contractor shall not enter into a contract with a subcontractor unless the subcontractor first provides the contractor with a valid proof of business registration.

(2) the contractor shall maintain and submit to the Contracting Agency a list of subcontractors and their addresses that may be updated from time to time.

(3) the contractor and any subcontractor providing goods or performing services under the contract, and each of their affiliates, shall collect and remit to the Director of the Division of Taxation in the Department of the Treasury, the use tax due pursuant to the Sales and Use Tax Act, (N.J.S.A. 54:32B-1 et seq.) on all sales of tangible personal property delivered into the State. Any questions in this regard can be directed to the Division of Taxation at (609)292-6400. Form NJ-REG can be filed online at

<http://www.state.nj.us/treasury/revenue/busregcert.shtml>.

Before final payment is made under the contract, the contractor shall submit to the Contracting Agency a complete and accurate list of all subcontractors used and their addresses.

Pursuant to N.J.S.A. 54:49-4.1, a business organization that fails to provide a copy of a business registration as required, or that provides false business registration information, shall be liable for a penalty of \$25 for each day of violation, not to exceed \$50,000, for each proof of business registration not properly provided under a contract with a contracting agency.

Pay to Play Requirements

Starting in January 2007, all business entities are advised of their responsibility to file an annual disclosure statement of political contributions with the New Jersey Election Law Enforcement Commission (ELEC)

pursuant to N.J.S.A. 19:44A-20.27 if they receive contracts in excess of \$50,000 from public entities in a calendar year. Business entities are responsible for determining if filing is necessary. Additional information on this requirement is available from ELEC at 888-313-3532 or at www.elec.state.nj.us.

Statement of Ownership

The provisions of N.J.S.A. 52:25-24.2 applies to all forms of corporations and partnerships, including, but not limited to, limited partnerships, limited liability corporations, limited liability partnerships, and Subchapter S corporations.

Certification of Non-Involvement in Prohibited Activities in Iran

Certification of Non-Involvement in Prohibited Activities in Iran. Pursuant to N.J.S.A. 52:32-58, the proposer must certify that neither the proposer, nor one of its parents, subsidiaries, and/or affiliates (as defined in N.J.S.A. 52:32-56(e)(3)), is listed on the Department of the Treasury's List of Persons or Entities Engaging in Prohibited Investment Activities in Iran and that neither is involved in any of the investment activities set forth in N.J.S.A. 52:32-56(f). If the proposer is unable to so certify, the proposer shall provide a detailed and precise description of such activities. Prior to contract award or authorization, the contractor shall provide the Contracting Agency with a completed Certification on Non-Involvement in Prohibited Activities in Iran.

Certification of Non-Involvement In Prohibited Activities in Russia or Belarus

Pursuant to N.J.S.A. 52:32-60.1, the “person or entity” (as defined in N.J.S.A. 52:32-60.1, et seq) seeking to enter into or renew a contract for the provision of goods or services or the purchase of bonds or other obligations shall certify that it is not “engaging in prohibited activities in Russia or Belarus” (as such term is defined in as defined in N.J.S.A. 52:32-60.1, et seq. If the person or entity is unable to certify, the person or entity shall provide a detailed and precise description of such activities. The N.J.S.A. 52:32-60.1 certification form must be completed prior to contract award and is provided in the specification documents (DocuSign).

Vendors may view the Precluded Entities List Here:

<https://www.nj.gov/treasury/administration/pdf/RussiaBelarusEntityList.pdf>

Insurance Requirements

The contractor shall maintain primary insurance to protect against all claims under Workmen's Compensation, Comprehensive General Liability and Automobile. Except for Workmen’s Compensation, all coverage shall apply as primary coverage with respect to any other insurance or self-insurance program afforded to the County. There shall be no endorsement or modification of this coverage to make it excess over other available insurance/coverage; alternatively, if the CGL and umbrella, excess of reinsurance states that it is pro rata, it shall be endorsed to be primary with respect to the County. Primary Coverage shall be subject to approval for adequacy of protection as per the following limits:

Worker's Compensation

1. Limits according to Worker's compensation Laws of the State of New Jersey.
2. Contractor's Liability not less than \$100,000.

Comprehensive General Liability

1. Bodily Injury - \$500,000 per person; \$1,000,000 per occurrence.
2. Property Damage - \$1,000,000 per occurrence.

Comprehensive General Liability Details

Comprehensive Automobile Liability shall include the following:

Business auto liability insurance or its equivalent with a minimum limit of \$1,000,000 per accident and including coverage for all of the following:

- A. Liability arising out of the ownership, maintenance or use of any auto;
- B. Auto non-ownership and hired car coverage.
- C. Contractor's Worker's Compensation, Comprehensive General Liability and
- D. Comprehensive Automobile Liability arising out of subcontractor's operations shall be identical as that listed above.

Proof of Insurance

Copies of each insurance certificate shall be furnished to the County when requested.

County Cooperative Contract Purchasing System

The County has established a "COUNTY COOPERATIVE CONTRACT PURCHASING SYSTEM" pursuant to N.J.S.A. 40a:11-1 et seq...

The IDENTIFIER for this system is:

CK-02-OC

This system allows local government contracting entities located within the geographical boundaries of the County to purchase goods and services awarded as a result of this bid proposal if it is extended by the low bidder.

Goods and services must be made available without substitution or deviation from specifications, size, features, quality, price or availability as herein set forth. It is understood that orders, if any, will be placed directly by contracting units, subject to the overall terms of the contract to be awarded by the County of Ocean.

The estimated quantities listed in this specification reflect only the needs of the agencies under the direct control of the Ocean County Board of Commissioners. If the vendor chooses to extend the resulting contract to all other contracting units, the quantities could be higher.

Please check (✓) the YES or NO box in the Vendor Questionnaire to indicate whether or not you will extend contract prices to all contracting units.

AWARD METHOD

Contract will be awarded on a line item basis.

VENDOR QUESTIONNAIRE

County Cooperative Contract Purchasing System*

Vendor will extend contract prices to "County Cooperative Contract Purchasing System" Participants as described in [Instruction to Bidders](#) .

Yes

No

*Response required

BID DOCUMENTS TO BE EXECUTED*

Documents include:

- Signature Page
- Non Collusion Certification
- Affirmative Action Questionnaire
- **Statement of Ownership (N.J.S.A. 52:25-24.2) (Mandatory Document)**
- Prohibited Russia-Belarus Activities & Iran Investment Activities

FAILURE TO SUBMIT ANY OF THESE DOCUMENTS MAY BE CAUSE FOR REJECTION OF YOUR PROPOSAL.

All documents should be from this proposal package as forms change frequently and the most updated forms are provided in this specification. The forms must not be dated or executed prior to the date of advertising.

NOTE: For detailed instructions on how to complete the forms via DocuSign, please access the "Instructions for Completing Forms in DocuSign" document available in the Attachments.

Please note: The County's preferred method of submission is DocuSign.

[Click here to go to the form](#)

*Response required

Copy of Bidder's Certificate of Employee Information Report

Within seven (7) days after receipt of the notification of intent to award the contract or receipt of the contract, whichever is sooner, a Contractor should present one of the following to the County of Ocean:

- (a) An existing federally approved or sanctioned affirmative action program.
- (b) A New Jersey Certificate of Employee Information Report Approval.

(c) If the Contractor cannot present "a" or "b", the Contractor is required to submit a completed Employee Information Report (Form AA302). This form will be made available to the Contractor by the County of Ocean.

QUESTIONS BELOW MUST BE ANSWERED BY ALL CONTRACTORS ON THE AFFIRMATIVE ACTION DOCUMENT:

1. Do you have a Federally approved or sanctioned Affirmative Action Program?

If yes, please upload a photocopy of such approval.

2. Do you have a State of New Jersey "Certificate of Employee Information Report" approval?

If yes, please upload a photocopy of such certificate.

Please note, the only acceptable file forms are as follows:

Documents (doc, docx, rtf, txt, xls, xlsx, pdf)

Images (jpg, png, bmp, tif)

Copy of Bidder's New Jersey Business Registration Certificate

Please use this area to upload your company's BRC.

Use this link to verify your company's BRC:

https://www1.state.nj.us/TYTR_BRC/jsp/BRCLoginJsp.jsp

Please note that a BRC is not required at the time of bid submission but shall be required prior to the award of a contract.

Please note, the only acceptable file forms are as follows:

Documents (doc, docx, rtf, txt, xls, xlsx, pdf)

Images (jpg, png, bmp, tif)

Mandatory Equal Employment Opportunity Statement*

Does the BIDDER comply with the [#Mandatory Equal Employment Opportunity Statement?](#)

Yes

No

*Response required

Americans with Disabilities Act Provisions*

Does the BIDDER comply with the [#Americans with Disabilities Act Provisions?](#)

Yes

No

*Response required

Descriptive Literature and Warranty Details*

Please supply all descriptive literature and warranty details for all items being bid as well as a list of all diagnostic tools and testing equipment, if applicable.

Please note, the only acceptable file forms are as follows:

Documents (doc, docx, rtf, txt, xls, xlsx, pdf)

Images (jpg, png, bmp, tif)

*Response required

Compliance Pages for SOLAR POWERED MESSAGE SIGNS AND PORTABLE LIGHT TOWERS*

Please download the attached Compliance Pages. Complete each compliance line by placing a check mark in the box for YES or NO. When completed, upload the document here. If you are taking any exceptions to any of the compliance lines, please list and explain each exception in detail on company letterhead. Please upload the exceptions letter with the completed Compliance Pages.

- [COMPLIANCE PAGES - SOLAR_PO...](#)

*Response required

ADDITIONAL VENDOR DOCUMENTATION

Please submit any additional information you wish to be considered as part of your bid package.

Please note, the only acceptable file forms are as follows:

Documents (doc, docx, rtf, txt, xls, xlsx, pdf)

Images (jpg, png, bmp, tif)

Acknowledgement of Submission of Forms from Current Bid Package*

Bidders shall complete all documents and acknowledge all terms included with the bid package. All documents should be from this bid package as forms change frequently and the most updated forms are provided in this specification. The forms must not be dated or executed prior to the date of advertising. Failure to follow these instructions is cause for rejection.

Please confirm

*Response required

Submission of Bid Package*

By submitting a response to this solicitation, the Vendor understands and acknowledges that all required documents to this solicitation must be submitted and that failure to do so may be cause for rejection.

Bidder also understands that only one (1) bid submission shall be considered. Please DO NOT Submit a manual bid response. Submitting a manual response in addition to the electronic response is cause for rejection of your bid.

Please confirm

*Response required

MANDATORY EQUAL EMPLOYMENT OPPORTUNITY

N.J.S.A. 10:5-31 et seq. (P.L. 1975, C. 127)

N.J.A.C. 17:27

GOODS, PROFESSIONAL SERVICE AND GENERAL SERVICE CONTRACTS

During the performance of this contract, the contractor agrees as follows:

The contractor or subcontractor, where applicable, will not discriminate against any employee or applicant for employment because of age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Except with respect to affectional or sexual orientation and gender identity or expression, the contractor will ensure that equal employment opportunity is afforded to such applicants in recruitment and employment, and that employees are treated during employment, without regard to their age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Such equal employment opportunity shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the Public Agency Compliance Officer setting forth provisions of this nondiscrimination clause.

The contractor or subcontractor, where applicable will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex.

The contractor or subcontractor will send to each labor union, with which it has a collective bargaining agreement, a notice, to be provided by the agency contracting officer, advising the labor union of the contractor's commitments under this chapter and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

The contractor or subcontractor, where applicable, agrees to comply with any regulations promulgated by the Treasurer pursuant to N.J.S.A. 10:5-31 et seq., as amended and supplemented from time to time and the Americans with Disabilities Act.

The contractor or subcontractor agrees to make good faith efforts to meet targeted county employment goals established in accordance with N.J.A.C. 17:27-5.2.

The contractor or subcontractor agrees to inform in writing its appropriate recruitment agencies including, but not limited to, employment agencies, placement bureaus, colleges, universities, and labor unions, that it does not discriminate on the basis of age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex, and that it will discontinue the use of any recruitment agency which engages in direct or indirect discriminatory practices.

The contractor or subcontractor agrees to revise any of its testing procedures, if necessary, to assure that all personnel testing conforms with the principles of job-related testing, as established by the statutes and court decisions of the State of New Jersey and as established by applicable Federal law and applicable Federal court decisions.

In conforming with the targeted employment goals, the contractor or subcontractor agrees to review all procedures relating to transfer, upgrading, downgrading and layoff to ensure that all such actions are taken without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual

orientation, gender identity or expression, disability, nationality or sex, consistent with the statutes and court decisions of the State of New Jersey, and applicable Federal law and applicable Federal court decisions.

The contractor shall submit to the public agency, after notification of award but prior to execution of a goods and services contract, one of the following three documents:

- Letter of Federal Affirmative Action Plan Approval
- Certificate of Employee Information Report
- Employee Information Report Form AA302 (electronically provided by the Division and distributed to the public agency through the Division's website at www.state.nj.us/treasury/contract_compliance)

The contractor and its subcontractors shall furnish such reports or other documents to the Division of Purchase & Property, CCAU, EEO Monitoring Program as may be requested by the office from time to time in order to carry out the purposes of these regulations, and public agencies shall furnish such information as may be requested by the Division of Purchase & Property, CCAU, EEO Monitoring Program for conducting a compliance investigation pursuant to **Subchapter 10 of the Administrative Code at N.J.A.C. 17:27.**

AMERICANS WITH DISABILITIES ACT

Equal Opportunity For Individuals With Disabilities

The CONTRACTOR and the COUNTY do hereby agree that the provisions of title II of the Americans with Disabilities Act of 1990 (the "Act") (42 U.S.C. 12101 et seq.), which prohibits discrimination on the basis of disability by public entities in all services, programs and activities provided or made available by public entities, and the rules and regulations promulgated pursuant thereto, are made a part of this contract. In providing any aid, benefit, or service on behalf of the COUNTY pursuant to this contract, the CONTRACTOR agrees that the performance shall be in strict compliance with the Act. In the event that the CONTRACTOR, its agents, servants, employees, or subcontractors violate or are alleged to have violated the Act during the performance of this contract, the CONTRACTOR shall defend the COUNTY in any action or administrative proceeding commenced pursuant to this Act. The CONTRACTOR shall indemnify, protect and save harmless the COUNTY, its agents, servants and employees from and against any and all suits, claims, losses, demands, or damages of whatever kind or nature arising out of or claimed to arise out of the alleged violation. The CONTRACTOR shall, at its own expense, appear, defend and pay any and all charges for legal services and any and all costs and other expenses arising from such action or administrative proceeding or incurred in connection therewith. In any and all complaints brought pursuant to the COUNTY'S grievance procedure, the CONTRACTOR agrees to abide by any decision of the COUNTY which is rendered pursuant to said grievance procedure. If any action or administrative proceeding results in an award of damages against the COUNTY or if the COUNTY incurs any expense to cure a violation of the ADA which has been brought pursuant to its grievance procedure, the CONTRACTOR shall satisfy and discharge the same at its own expense.

The COUNTY shall, as soon as practicable after a claim has been made against it, give written notice thereof to the CONTRACTOR along with full and complete particulars of the claim. If any action or administrative proceeding is brought against the COUNTY or any of its agents, servants and employees, the COUNTY shall expeditiously forward or have forwarded to the CONTRACTOR every demand, complaint, notice, summons, pleading, or other process received by the COUNTY or its representatives.

It is expressly agreed and understood that any approval by the COUNTY of the services provided by the CONTRACTOR pursuant to this contract will not relieve the CONTRACTOR of the obligation to comply with the Act and to defend, indemnify, protect and save harmless the COUNTY pursuant to this paragraph.

It is further agreed and understood that the COUNTY assumes no obligation to indemnify or save harmless the CONTRACTOR, its agents, servants, employees and subcontractors for any claim which may arise out of their performance of this Agreement. Furthermore, the CONTRACTOR expressly understands and agrees that the provision of this indemnification clause shall in no way limit the CONTRACTOR'S obligations assumed in this Agreement, nor shall they be construed to relieve the CONTRACTOR from any liability, nor preclude the COUNTY from taking any other actions available to it under any other provisions of this Agreement or otherwise at law.

INTENT

CONTRACT TERMS

The contract shall be for one (1) year from date of award, or until delivery is complete unless otherwise stated. The County reserves the right to extend the term of the contract pursuant to N.J.S.A. 40A:11-15.

INTENT

The purpose of this bid package is to provide the County of Ocean with a Contractor who will supply the materials described and specified herein.

NO ASSIGNMENT

This agreement shall not be assigned without the written consent of the County of Ocean which consent shall not be unreasonably withheld. Assignee shall promptly prepare and complete such documents as the County shall require.

OWNERSHIP DISCLOSURE

All contractors shall comply with all laws governing the disclosure of all stockholders or partners, as included in N.J.S.A. 52:25-24.2.

BID REVIEW

Bids may be reviewed at the bid opening and results will be made available online through the County's procurement portal once the bid meeting has concluded. Additionally, bid results are available in the Ocean County Purchasing Department on the day following the bid openings for any interested party that may wish to review them.

EVALUATION

The quality of the equipment supplied, their conformity with the specifications, their suitability to requirements, delivery terms, guaranty clauses, price of the materials shall all be taken into consideration. Where equivalent equipment is offered, the County will determine if the proposed item is equal or better than that specified.

AVAILABILITY OF FUNDS

The County's obligation hereunder is contingent upon the availability of appropriated funds from which payment for contract purposes can be made. No legal liability on the part of the County for payment of any money shall arise unless, and until funds are made available each year to the Ocean County Purchasing Agent.

MODIFICATIONS AND WITHDRAWALS

Bids may be withdrawn from the bidder prior to the time fixed for opening. No right for withdrawal exists after the bid has been opened. Written request for withdrawal shall be signed by the bidder or proper corporate officers.

USE OF OTHER NAMES AND REFERENCES

Unless otherwise stated, the use of manufacturers' names and product numbers are for descriptive purposes, and establishing general quality levels only. They are not intended to be restrictive. Bidders are required to state exactly what they intend to furnish, otherwise it is fully understood that they shall furnish all items as stated.

QUALITY

The materials and supplies called for herein, shall be the best of their grade and types, prepared according to the best available standards or accepted formulas, and thoroughly tested and subjected to rigid examinations and standardization. Items not meeting these requirements shall be replaced at no cost to the County upon due notice of deficiency.

WARRANTY

Manufacturer's warranty shall apply.

MODEL INFORMATION REQUIRED

The manufacturer, make or exact models proposed as substitutes shall also be submitted on bidder's letterhead with any proposal contended to be "equivalent."

AVAILABILITY AND DELIVERY

The bidder should indicate the number of days required for the delivery After Receipt of Order (A.R.O.). If not submitted with the bid proposal, the County reserves the right to request this information prior to the award of contract.

TRANSITIONAL PERIOD

In the event services are terminated by contract expiration or by voluntary termination by either the Contractor or the County of Ocean, the Contractor shall continue all terms and conditions of said contract for a period not to exceed one (1) month at the County's request.

COMPLIANCE TO MINIMUM BID REQUIREMENTS / EQUIVALENT PROPOSALS

It is the intent of these specifications to describe and govern the purchase of a new and unused SOLAR POWERED MESSAGE SIGNS AND PORTABLE LIGHT TOWERS with any and all accessories as noted herein. The unit shall conform to the highest quality of manufacturing and design standards. Any item or items not specifically mentioned herein, but which would be required to produce a complete working unit, shall be supplied by the vendor.

All bidders must answer compliance questions in full. A general exception cannot be taken for any paragraph or item. If a bidder is basing his proposal on equipment other than what is specified in these bid documents and wishes the equipment he proposes to be considered as an "approved equal", he shall submit on a separate sheet, in the exact format of the technical specifications contained herein, an item by item description of that which he proposes to substitute including any and all variations from or exceptions to the conditions and specifications of this bid. Failure to comply may result in rejection of bid.

CURRENT BID RESULTS

If there is a current contract in place for this bid, those results may be obtained by accessing our legacy portal at the below link:

<http://webhost.co.ocean.nj.us/ocbidportal.nsf>

Once you have clicked the link, click "Formal Bids", "Awarded Formal Bids". There you will be able to see all active contracts.

SPECIFICATIONS AND SCOPE OF WORK

SCOPE OF WORK

Please see the Vendor Questionnaire, Item #8, for the Compliance Pages for detailed scope information for this bid. Please download, complete, and upload the Compliance pages to Vendor Questionnaire Item #8.

PRICING PROPOSAL

SOLAR POWERED MESSAGE SIGNS AND PORTABLE LIGHT TOWERS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total Cost	No Bid	Comments
1	Furnish and Delivery of New Solar Powered Message Sign, American Signal Company Model #CMS-T333 LED, No Substitutions	3	EA				
2	Furnish and Delivery of New Light Tower, Wacker Neuson Model #LTW20Z1, As Specified, or Equal	2	EA				
3	Furnish and Delivery of SolarTech Silent Messenger II Message Board Mid-Sized, Model MB II, As Specified, or Equal	2	EA				
4	Furnish and Delivery of SolarTech Silent Messenger Full Size Message Board, Model MB III, As Specified, or Equal	2	EA				
5	Trafficalm IQ1500 Permanent Mount Sign and Trailer, As Specified or Equal	2	EA				

ITEM # 1 – PORTABLE CHANGEABLE FULL MATRIX MESSAGE SIGN, AMERICAN SIGNAL COMPANY # CMS-T333 LED, AS SPECIFIED, NO SUBSTITUTIONS

		<u>COMPLIANCE</u>	
		<u>YES</u>	<u>NO</u>
<u>GENERAL</u>			
Full Matrix	28 pixels x 50 pixels	<input type="checkbox"/>	<input type="checkbox"/>
	1 line, 2 line, 3 line messages	<input type="checkbox"/>	<input type="checkbox"/>
	Graphics and Animation	<input type="checkbox"/>	<input type="checkbox"/>
	18" - 53" characters	<input type="checkbox"/>	<input type="checkbox"/>
	Up to 12 characters per line	<input type="checkbox"/>	<input type="checkbox"/>
	9 font sizes	<input type="checkbox"/>	<input type="checkbox"/>
	SOLR™ Primary Power Charging System with 30 day nominal battery life and onboard AC charger	<input type="checkbox"/>	<input type="checkbox"/>
Height (Raised)	162"	<input type="checkbox"/>	<input type="checkbox"/>
Height (Storage)	109.3"	<input type="checkbox"/>	<input type="checkbox"/>
Length	188.3"	<input type="checkbox"/>	<input type="checkbox"/>
Width (Storage)	79.5"	<input type="checkbox"/>	<input type="checkbox"/>
LED Operating Temp	-22° - +165° F	<input type="checkbox"/>	<input type="checkbox"/>
Electronics Temp. Rating	-30° - +165° F	<input type="checkbox"/>	<input type="checkbox"/>
Sign Case Height	79.5"	<input type="checkbox"/>	<input type="checkbox"/>
Sign Case Width	137"	<input type="checkbox"/>	<input type="checkbox"/>
Control Console Display	Backlit LCD	<input type="checkbox"/>	<input type="checkbox"/>
Pre-Programmed Messages	199	<input type="checkbox"/>	<input type="checkbox"/>
User-defined Messages	199	<input type="checkbox"/>	<input type="checkbox"/>
Message Sequences	250	<input type="checkbox"/>	<input type="checkbox"/>
<u>LED DISPLAY</u>			
Update Speed:	Variable in .10 sec. increments	<input type="checkbox"/>	<input type="checkbox"/>
LED Color:	ITE Amber/Yellow	<input type="checkbox"/>	<input type="checkbox"/>
	18"-53" Character	<input type="checkbox"/>	<input type="checkbox"/>
	Four (4) – (30°) LEDs per pixel	<input type="checkbox"/>	<input type="checkbox"/>
<u>OTHER:</u>			
	Sign raise/lower with electric hydraulic lift with manual backup	<input type="checkbox"/>	<input type="checkbox"/>
	Weather tight control cabinet with backlit LCD handheld controller	<input type="checkbox"/>	<input type="checkbox"/>
The following options shall be included in the base bid price:			
	2" ball or lunette eye hitch with adjustable height	<input type="checkbox"/>	<input type="checkbox"/>
	Graphic User Interface (GUI) Software	<input type="checkbox"/>	<input type="checkbox"/>
	AIMSTAR™ Adjustable Solar Assembly	<input type="checkbox"/>	<input type="checkbox"/>

PLEASE ENTER INFORMATION ON THE PRODUCT YOU ARE PROPOSING:

Make/Model: Click or tap here to enter text.

Warranty: Click or tap here to enter text.

Delivery, A.R.O.: Click or tap here to enter text.

Remarks: Click or tap here to enter text.

ITEM #2 – NEW LIGHT TOWER, WACKER NEUSON MODEL #LTW20Z1, AS SPECIFIED, OR EQUAL

		<u>COMPLIANCE</u>	
		<u>YES</u>	<u>NO</u>
GENERAL			
Operating Weight	3,290	<input type="checkbox"/>	<input type="checkbox"/>
Illumination coverage at 5 fc (54 lux) ft ²	12,960	<input type="checkbox"/>	<input type="checkbox"/>
Lamp type	Metal Halide; 4 X 1,100	<input type="checkbox"/>	<input type="checkbox"/>
Mast height in feet	30	<input type="checkbox"/>	<input type="checkbox"/>
Dimensions in transport	177" L X 75.5" W X 74.5" H	<input type="checkbox"/>	<input type="checkbox"/>
Sound level (LA) at 23 ft. in dB	71.2	<input type="checkbox"/>	<input type="checkbox"/>
Power kW	20	<input type="checkbox"/>	<input type="checkbox"/>
Frequency Hz	60	<input type="checkbox"/>	<input type="checkbox"/>
Voltage V	120/240	<input type="checkbox"/>	<input type="checkbox"/>
Power Factor 1~	1	<input type="checkbox"/>	<input type="checkbox"/>
Power Factor 3~	0	<input type="checkbox"/>	<input type="checkbox"/>
Prime output kW	18.6	<input type="checkbox"/>	<input type="checkbox"/>
Voltage Control %	1	<input type="checkbox"/>	<input type="checkbox"/>
Idle to full load %	1.5	<input type="checkbox"/>	<input type="checkbox"/>
ENGINE			
Generator insulation (class)	H	<input type="checkbox"/>	<input type="checkbox"/>
RPM/Speed RPM	1,800	<input type="checkbox"/>	<input type="checkbox"/>
Generator Model	Brushless w/ AVR	<input type="checkbox"/>	<input type="checkbox"/>
Engine/Motor Type	Liquid-Cooled, 4-Cyl. Diesel	<input type="checkbox"/>	<input type="checkbox"/>
Engine Model	Isuzu	<input type="checkbox"/>	<input type="checkbox"/>
Displacement in cubic inches	133	<input type="checkbox"/>	<input type="checkbox"/>
Operating HP/RPM	34.3/1,800	<input type="checkbox"/>	<input type="checkbox"/>
Performance Rated	SAE J1349 NET (without Fan)	<input type="checkbox"/>	<input type="checkbox"/>
Fuel tank capacity	57 gallons	<input type="checkbox"/>	<input type="checkbox"/>
Fuel consumption gallons/hour	1.58	<input type="checkbox"/>	<input type="checkbox"/>
Fully equipped highway-ready trailer		<input type="checkbox"/>	<input type="checkbox"/>
WARRANTY			
Two (2) Year bumper/bumper machine warranty		<input type="checkbox"/>	<input type="checkbox"/>
Two (2) Year/2,000 hour engine warranty		<input type="checkbox"/>	<input type="checkbox"/>

PLEASE ENTER INFORMATION ON THE PRODUCT YOU ARE PROPOSING:

Make/Model: Click or tap here to enter text.

Warranty: Click or tap here to enter text.

Delivery, A.R.O.: Click or tap here to enter text.

Remarks: Click or tap here to enter text.

ITEM #3 - SOLARTECH SILENT MESSENGER II MESSAGE BOARD MID-SIZED, MODEL MB II WITH TRAILER, AS SPECIFIED OR EQUAL

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
DISPLAY PANEL		
Panel Size: 92" X 54"	<input type="checkbox"/>	<input type="checkbox"/>
Pixel Array/Size: 27" X 48" pixel array with 1.77" pitch	<input type="checkbox"/>	<input type="checkbox"/>
Character Height: 9" to 46"	<input type="checkbox"/>	<input type="checkbox"/>
Panel Construction: all aluminum, modular construction	<input type="checkbox"/>	<input type="checkbox"/>
Panel Face: 3/16" polycarbonate, non-glare	<input type="checkbox"/>	<input type="checkbox"/>
Characters per line: up to twelve (12)	<input type="checkbox"/>	<input type="checkbox"/>
Graphics capability: full matrix with full animation	<input type="checkbox"/>	<input type="checkbox"/>
Display Technology: LED (amber, 592 nm)	<input type="checkbox"/>	<input type="checkbox"/>
Display Brightness: > 10,000 candela per square meter	<input type="checkbox"/>	<input type="checkbox"/>
Display Life Expectancy: 10 years typical	<input type="checkbox"/>	<input type="checkbox"/>
Viewing Angle: >30°	<input type="checkbox"/>	<input type="checkbox"/>
 TRAILER		
Length Overall (operating): 112" (284 cm)	<input type="checkbox"/>	<input type="checkbox"/>
1,000 lb. automatic brake, winch & cable	<input type="checkbox"/>	<input type="checkbox"/>
Length Overall (towing): 112" (284 cm)	<input type="checkbox"/>	<input type="checkbox"/>
Width Overall 92" (234 cm)	<input type="checkbox"/>	<input type="checkbox"/>
Width Across: Fenders 75" (191 cm)	<input type="checkbox"/>	<input type="checkbox"/>
Height Traveling: 92" (234 cm)	<input type="checkbox"/>	<input type="checkbox"/>
Ground Clearance: 13" (33 cm)	<input type="checkbox"/>	<input type="checkbox"/>
Height Operating: 142" (360 cm)	<input type="checkbox"/>	<input type="checkbox"/>
Weight of Panel: 1,560 lbs. (708 kg)	<input type="checkbox"/>	<input type="checkbox"/>
Coupler: 2" (50 mm) ball or 2.5" (64 mm) pintle ring	<input type="checkbox"/>	<input type="checkbox"/>
Lifting Mechanism: 1,000 lb. automatic brake, winch & cable	<input type="checkbox"/>	<input type="checkbox"/>
Axle/Suspension: (for both) Torq flex, independent	<input type="checkbox"/>	<input type="checkbox"/>
Tires: Load Range C; 13 inch wheels with 5-lug pattern	<input type="checkbox"/>	<input type="checkbox"/>
 CONTROL CONSOLE		
Console Circuitry: Ultra-low power solid state	<input type="checkbox"/>	<input type="checkbox"/>
Console Touchscreen: Weather-resistant, backlit, full-color GUI, intuitive icon-driven, multi-lingual	<input type="checkbox"/>	<input type="checkbox"/>
Programming Software: Proprietary, field upgradable for units not connected to Command Center	<input type="checkbox"/>	<input type="checkbox"/>
Message Capacity: Pre-programmed and user-defined (> 250 each)	<input type="checkbox"/>	<input type="checkbox"/>
Message Display Time: User-selectable (0.1 to 99 seconds)	<input type="checkbox"/>	<input type="checkbox"/>
Display Update Time: Instantaneous	<input type="checkbox"/>	<input type="checkbox"/>
Non-Volatile Memory: 16 GB Micro SD card	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #3 - SOLARTECH SILENT MESSENGER II MESSAGE BOARD MID-SIZED, MODEL MB II WITH TRAILER, AS SPECIFIED OR EQUAL

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
CONTROL CONSOLE (Cont'd)		
Password Protection: User-selectable, multi-level	<input type="checkbox"/>	<input type="checkbox"/>
Operator Interface: Easy-to-use icons (no manual required)	<input type="checkbox"/>	<input type="checkbox"/>
Connectivity: Supports NTCIP version 3 via UDP/IP over Ethernet, and PMPP over RS-232	<input type="checkbox"/>	<input type="checkbox"/>
Units with Remote Communications Option: UDP/IP over the built-in cellular modem	<input type="checkbox"/>	<input type="checkbox"/>
ENERGY SOURCE		
Operating Voltage: 12 Volts DC (nominal)	<input type="checkbox"/>	<input type="checkbox"/>
Battery Type: 6 Volt heavy duty, deep cycle (GC-2)	<input type="checkbox"/>	<input type="checkbox"/>
Number of Batteries: Four (4) standard lead acid (flooded)	<input type="checkbox"/>	<input type="checkbox"/>
Battery Bank Capacity: 520 amp hours	<input type="checkbox"/>	<input type="checkbox"/>
Battery Status Indicator: Displays battery voltage, charging activity and low battery condition	<input type="checkbox"/>	<input type="checkbox"/>
Solar Array Construction: Top-mounted solar panels in aluminum frame	<input type="checkbox"/>	<input type="checkbox"/>
Solar Array Power Output: Standard 160 watt (nominal)	<input type="checkbox"/>	<input type="checkbox"/>
Solar Charge Controller: Automatic, temperature compensated, MPPT (Maximum Power Point Tracking)	<input type="checkbox"/>	<input type="checkbox"/>
BRAKES		
Hydraulic Surge Brakes (5,000 lb. Capacity)	<input type="checkbox"/>	<input type="checkbox"/>
Electric Brakes	<input type="checkbox"/>	<input type="checkbox"/>
SOLAR ARRAY		
220 amp tilt and rotate solar panels	<input type="checkbox"/>	<input type="checkbox"/>
BATTERY CHARGER		
55 amp battery charger	<input type="checkbox"/>	<input type="checkbox"/>
BATTERY SECURITY		
Battery compartment with padlocks	<input type="checkbox"/>	<input type="checkbox"/>
PAINT		
Powder coated orange color	<input type="checkbox"/>	<input type="checkbox"/>

PLEASE ENTER INFORMATION ON THE PRODUCT YOU ARE PROPOSING:

Make/Model: Click or tap here to enter text.

Warranty: Click or tap here to enter text.

Delivery, A.R.O.: Click or tap here to enter text.

Remarks: Click or tap here to enter text.

ITEM #4 - SOLARTECH SILENT MESSENGER FULL SIZE MESSAGE BOARD, MODEL MB III, WITH TRAILER, AS SPECIFIED OR EQUAL

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
DISPLAY		
Panel Size: 126" x 76" (320 cm x 193 cm)	<input type="checkbox"/>	<input type="checkbox"/>
Panel Construction: All aluminum, modular construction	<input type="checkbox"/>	<input type="checkbox"/>
Panel Face: 3/16" polycarbonate, non-glare	<input type="checkbox"/>	<input type="checkbox"/>
Matrix Size: 27 x 48 pixels	<input type="checkbox"/>	<input type="checkbox"/>
Pixel Pitch: 2.6" x 2.6" (66 mm x 66 mm)	<input type="checkbox"/>	<input type="checkbox"/>
Number of Fonts: Twelve (12)	<input type="checkbox"/>	<input type="checkbox"/>
Character Height: 13" to 68" (33 cm to 173 cm)	<input type="checkbox"/>	<input type="checkbox"/>
Graphics Capability: Full matrix with full animation	<input type="checkbox"/>	<input type="checkbox"/>
Display Technology: LED (amber, 592 nm)	<input type="checkbox"/>	<input type="checkbox"/>
Display Brightness: > 10,000 candela per square meter	<input type="checkbox"/>	<input type="checkbox"/>
Viewing Angle: >30°	<input type="checkbox"/>	<input type="checkbox"/>
Display Life Expectancy: 10 years typical	<input type="checkbox"/>	<input type="checkbox"/>
Lifting Mechanism: 2,000 lb. capacity electro-hydraulic	<input type="checkbox"/>	<input type="checkbox"/>
TRAILER		
Length Overall: 180" (457 cm)	<input type="checkbox"/>	<input type="checkbox"/>
Width Overall: 92" (234 cm)	<input type="checkbox"/>	<input type="checkbox"/>
Height Traveling: 103" (262 cm)	<input type="checkbox"/>	<input type="checkbox"/>
Height Operating: 162" (412 cm)	<input type="checkbox"/>	<input type="checkbox"/>
Ground Clearance: 13" (33 cm) minimum	<input type="checkbox"/>	<input type="checkbox"/>
Weight (minimum): 2,400 lbs. (1,089 kg)	<input type="checkbox"/>	<input type="checkbox"/>
Weight (maximum): 2,960 lbs. (1,343 kg)	<input type="checkbox"/>	<input type="checkbox"/>
Coupler (Class 111): 2" (50 mm) ball or 3" (76 mm) pintle ring	<input type="checkbox"/>	<input type="checkbox"/>
Axle/Suspension: (both) Torq flex independent	<input type="checkbox"/>	<input type="checkbox"/>
Tires: Load Range C; 13 inch wheels with 5-lug pattern	<input type="checkbox"/>	<input type="checkbox"/>
MEGA-TECH CONTROL CONSOLE		
Console Circuitry: Ultra-low power solid state	<input type="checkbox"/>	<input type="checkbox"/>
Console Touchscreen Weather-resistant, backlit, full-color GUI, intuitive icon-driven, multi-lingual, field upgradable (for units not connected to Command Center)	<input type="checkbox"/>	<input type="checkbox"/>
Message Capacity: Pre-programmed and user-defined (> 250 each)	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #4 - SOLARTECH SILENT MESSENGER FULL SIZE MESSAGE BOARD, MODEL MB III, WITH TRAILER, AS SPECIFIED OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
MEGA-TECH CONTROL CONSOLE (Cont'd)		
Message Display Time: User-selectable (0.1 to 99 seconds)	<input type="checkbox"/>	<input type="checkbox"/>
Display Update Time: Instantaneous	<input type="checkbox"/>	<input type="checkbox"/>
Non-Volatile Memory 16 GB Micro SD card	<input type="checkbox"/>	<input type="checkbox"/>
Password Protection: User-selectable, multi-level	<input type="checkbox"/>	<input type="checkbox"/>
Operator Interface: Easy-to-use icons (no manual required)	<input type="checkbox"/>	<input type="checkbox"/>
Connectivity: Supports NTCIP version 3 via UDP/IP over Ethernet, and PMPP over RS-232	<input type="checkbox"/>	<input type="checkbox"/>
Units with Remote Communications Option: UDP/IP over the built-in cellular modem.	<input type="checkbox"/>	<input type="checkbox"/>
 ENERGY SOURCE		
Operating Voltage: 12 Volts DC (nominal)	<input type="checkbox"/>	<input type="checkbox"/>
Battery Type: 6 Volt heavy duty, deep cycle (GC-2)	<input type="checkbox"/>	<input type="checkbox"/>
Number of Batteries Four (4) standard lead acid (flooded)	<input type="checkbox"/>	<input type="checkbox"/>
Battery Bank Capacity: 520 amp hours	<input type="checkbox"/>	<input type="checkbox"/>
Battery Status Indicator: Displays battery voltage, charging activity low battery condition	<input type="checkbox"/>	<input type="checkbox"/>
Solar Array Construction: Top-mounted solar panels in aluminum frame	<input type="checkbox"/>	<input type="checkbox"/>
Solar Array Power Output: Standard 160 watt (nominal)	<input type="checkbox"/>	<input type="checkbox"/>
Solar Charge Controller: Automatic, temperature compensated (Maximum Power Point Tracking)	<input type="checkbox"/>	<input type="checkbox"/>
 BRAKES		
Hydraulic Surge Brakes (5,000 lb. Capacity)	<input type="checkbox"/>	<input type="checkbox"/>
Electric Brakes	<input type="checkbox"/>	<input type="checkbox"/>
 SOLAR ARRAY		
220 amp tilt and rotate solar panels	<input type="checkbox"/>	<input type="checkbox"/>
 BATTERY CHARGER		
55 amp battery charger	<input type="checkbox"/>	<input type="checkbox"/>
 BATTERY SECURITY		
Battery compartment with padlocks	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #4 - SOLARTECH SILENT MESSENGER FULL SIZE MESSAGE BOARD, MODEL MB III, WITH TRAILER, AS SPECIFIED OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

PAINT

Powder coated orange color

PLEASE ENTER INFORMATION ON THE PRODUCT YOU ARE PROPOSING:

Make/Model: Click or tap here to enter text.

Warranty: Click or tap here to enter text.

Delivery, A.R.O.: Click or tap here to enter text.

Remarks: Click or tap here to enter text.

ITEM #5 – TRAFFICALM IQ1500 PERMANENT MOUNT SIGN AND TRAILER, AS SPECIFIED, OR EQUAL

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
LED AND RADAR COMPONENTS		
Speed Display Height: 15” High Characters	<input type="checkbox"/>	<input type="checkbox"/>
Configuration: Full Matrix Display	<input type="checkbox"/>	<input type="checkbox"/>
“Your Speed”, or equal, Legend: 6” high highway gothic font (MUTCD Compliant)	<input type="checkbox"/>	<input type="checkbox"/>
LED, ½ Cone Angel: Amber (500nM), ½ Angel, 15°, Rated 100,000 hours, 20,000 CDA/M^2, Auto Dimming Employed	<input type="checkbox"/>	<input type="checkbox"/>
Amber LED on Axis Intensity: 20,000 CDA/SQ Meter	<input type="checkbox"/>	<input type="checkbox"/>
White LED (Cool White): ½ angel 60°, rated 100,000 hrs; 2,475 CDA/M^2, Auto Dimming Employed	<input type="checkbox"/>	<input type="checkbox"/>
Sign Legibility: viewable range: 1,000 feet, legible range: 750 feet	<input type="checkbox"/>	<input type="checkbox"/>
Speed Resolution and Range: Min 5 mph; Max 99 mph in 1 MPH steps, Range 600 feet. (Max 140 mpg available as custom order)	<input type="checkbox"/>	<input type="checkbox"/>
Radar Specification and Range: K-band (24, 15GHz) direct sensing, license free (FCC part 15 compliant); average range at 450 feet (plus 400’ or minus 100’ depending on vehicle size).	<input type="checkbox"/>	<input type="checkbox"/>
MATERIALS AND CONSTRUCTION		
Chassis Size/Total Weight: 30” width X 41” height X 3” depth; 36 lbs.		
Front Face Sheeting: 3M™ Diamond Grade™, or equal, high visibility prismatic, long life protective sheeting	<input type="checkbox"/>	<input type="checkbox"/>
Sign Face Color: yellow	<input type="checkbox"/>	<input type="checkbox"/>
Sign Mounting Construction: 3/16” thick aluminum brackets and 1/8” face; standard 3% tilt bracket configuration	<input type="checkbox"/>	<input type="checkbox"/>
Vandal resistant construction:		
<ul style="list-style-type: none"> • Sealed electronics box (ECS) 1/16” thick aluminum enclosure attached to a 1/8” thick mounted plate, The ECS shall be removable from the chassis as a complete unit. • ¼” high impact polycarbonate face with high contrast mask; anti-glare graffiti and sunlight resistant • Provisions for padlocking in place are provided • Powder coat white color 	<input type="checkbox"/>	<input type="checkbox"/>
Electronics Enclosure Rating: Weatherproof; NEMA 3R	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #5 – TRAFFICALM IQ1500 PERMANENT MOUNT SIGN AND TRAILER, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
ELECTRICAL SPECIFICATIONS		
Power Requirements: 12VDC (10.5 VDC to 16VDC), 23W at max brightness with maximum message displayed, 10W at average brightness with maximum message displayed.	<input type="checkbox"/>	<input type="checkbox"/>
Voltage Requirements: 9V-30VDC, 12VDC Nominal (Battery protection at 11.5 VDC and 10.8VDC; startup at 12.3VDC)	<input type="checkbox"/>	<input type="checkbox"/>
Power Options:		
• Solar Kits: 150W kits		
• Battery charger kits and battery boxes shall be supplied		
Operating Temperature: Internal components: -29°F to +165°F	<input type="checkbox"/>	<input type="checkbox"/>
Warranty: 3 year limited warranty on sign and options (excluding batteries)	<input type="checkbox"/>	<input type="checkbox"/>
SOFTWARE		
SafetyCalm™ or equal, license free	<input type="checkbox"/>	<input type="checkbox"/>
Event Logging with Time Stamp: Event data: 60 days with a circular buffer; applied voltage (VDC); internal temperature (°F); ambient light (lux); display functional status; traffic status; shock sensor events; parameter events	<input type="checkbox"/>	<input type="checkbox"/>
Vehicle Data Logging Capacity: Speed data 90 days with circular buffer (oldest reading replaced by newest) based on 24/7 operation	<input type="checkbox"/>	<input type="checkbox"/>
Programmable Display Features:		
• Minimum speed limit, speed limit, over speed, and maximum speed to display		
• Display type: blank (stealth mode); actual speed; speed limit; flashing digits; steady digits; external beacon control	<input type="checkbox"/>	<input type="checkbox"/>
Schedules: Repeating daily: nine (9) events; repeating weekly; nine (9) events; non-repeating dated: nine (9) events (27 events in each 24 hour period, 365 days per year while powered)	<input type="checkbox"/>	<input type="checkbox"/>
Communications: Remote access through secure network	<input type="checkbox"/>	<input type="checkbox"/>
System Requirements:		
• Operating System: Compatible with Windows 10		
• Screen resolution: 1024 X 768 or better		
• Communications interfaces: Bluetooth class 1 or 2 adapters (capabilities V1.0, V1.2, V2.0, V2.1+EDC)	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #5 – TRAFFICALM IQ1500 PERMANENT MOUNT SIGN AND TRAILER, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
TRAILER		
Weight: 353 Lbs with Solar and 150Ah batteries; Weight is with battery <i>installed</i>	<input type="checkbox"/>	<input type="checkbox"/>
Size: Folded and ready for travel 46” wide X 48” long (86” with tongue extended) X 38” Tall; Erected with Solar: 88” Tall	<input type="checkbox"/>	<input type="checkbox"/>
Tire Size: 14”	<input type="checkbox"/>	<input type="checkbox"/>
Color: Powder Coated white	<input type="checkbox"/>	<input type="checkbox"/>
Warranty: Assembly warranted against manufacturer defect for three (3) years; excluding batteries and tires	<input type="checkbox"/>	<input type="checkbox"/>
Basic Features:		
<ul style="list-style-type: none"> • Brake Lights and turn signals are provided 	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> • Metal fenders strong to support minimum of 250 lbs., Powder coat finish for corrosion resistance 		
<ul style="list-style-type: none"> • Tongue shall be properly sized to ensure easy towing using a 2” ball 	<input type="checkbox"/>	<input type="checkbox"/>
Controls:		
<ul style="list-style-type: none"> • Control panel provided to operate the connections to the solar panel and sign 	<input type="checkbox"/>	<input type="checkbox"/>
Safety/Security:		
<ul style="list-style-type: none"> • Meets DOT regulations & requirements • Safety chains shall be provided • Ball hitch system is stowed & secured when not towing; hitch beam collapses and locks into trailer body or shall be removable 	<input type="checkbox"/>	<input type="checkbox"/>
Stabilizers:		
<ul style="list-style-type: none"> • Provided with two (2) drop-down stabilizers that drop to the level of grade & are secured by pins and one (1) hand-crank stabilizer. • Stow in fully retracted position secured by pins for travel 	<input type="checkbox"/>	<input type="checkbox"/>
Static Regulatory Signs: speed is 25 mph on base; placards are 1,3,0,4 which allow speeds from 05-45 mph	<input type="checkbox"/>	<input type="checkbox"/>
ELECTRICAL SPECIFICATIONS		
Batteries:		
<ul style="list-style-type: none"> • Includes two (2) 75Ah batteries • Each battery shall be individually fused • Negative terminal of each battery shall be electrically common to the trailer chassis • Cushioned battery mount to reduce vibration and shock 	<input type="checkbox"/>	<input type="checkbox"/>
Battery Box:		
<ul style="list-style-type: none"> • Housed in weatherproof chamber separate from battery compartment • Sealed from air movement with provisions for thermal transfer, moisture control and drainage 	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #5 – TRAFFICALM IQ1500 PERMANENT MOUNT SIGN AND TRAILER, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

TRAILER (Cont'd)

ELECTRICAL SPECIFICATIONS (Cont'd)

Integrated Solar Charging:

- 60 Watt Solar Panel
- Solar Panel shall be deployed to a position higher than the sign
- Solar Panel shall stow flat over the sign for optimal skyward exposure
- 20A Solar Charge Control Device (14.4 V regulation temperature compensating)

Wiring:

- Wire is properly sized; rated 194°F minimum
- All interconnecting cables and wires are routed through the frame or in conduit for protection

PLEASE ENTER INFORMATION ON THE PRODUCT YOU ARE PROPOSING:

Make/Model: Click or tap here to enter text.

Warranty: Click or tap here to enter text.

Delivery, A.R.O.: Click or tap here to enter text.

Remarks: Click or tap here to enter text.