

State of Rhode Island
Department of Administration / Division of Purchases
One Capitol Hill, Providence, Rhode Island 02908-5855
Tel: (401) 574-8100 Fax: (401) 574-8387

Solicitation Information
August 20, 2014

ADDENDUM # 2

RFP # 7548883

**TITLE: ELECTRICAL DISTRIBUTION SYSTEM UPGRADE AND NEW
SUBSTATION – UNIVERSITY OF RHODE ISLAND**

Notice to Vendors:

- Attached includes additional information, questions received with responses and bid form that must be used

SUBMISSION DEADLINE: Has been postponed until:

Thursday August 28, 2014 at 11:30 am (Local Time)

Thomas Bovis
Interdepartmental Project Manager

Interested parties should monitor this website, on a regular basis, for any additional information that may be posted.

Addendum #2

Date Friday, August 15, 2014
Project URI Distribution Substations Upgrade Project

PART 1 - General

The attention of Bidders submitting proposals for the URI Distribution Substation Upgrade Project is called to the following Addendum to the 100% Construction Documents and Project Manual Dated March 19, 2014 prepared by Thompson Consultants Inc.

The items set forth herein, whether of revision, omission, addition, substitution, deletion, or clarification are all to be included in the bid.

The addendum modifies the original Contract Documents and Project Manual dated March 19, 2014. Portions of the Contract Documents and Project Manual not altered by this addendum shall remain in full force.

The number of the addendum (Addendum No.2) must be entered in the appropriate spaces on the required bid form(s).

PART 2 - Notes and Clarifications

1. See "Response to questions raised at pre-bid conference on July 24 at 9:30 " dated 8/15/14
2. See RFQ #7548883 (with responses by URI and design team)

PART 3 - Project Manual

Item #	Section#	Title/Description
S01	ADD Section 01 33 23	Submittals

PART 4 - Drawings

Item #	Drawing#	Title/Description
S03	E6.14	Revise as per SKE-001
S04	E6.16	Revise as per SKE-002

RFQ for Solicitation# 7548883 (with responses by URI and design team)

TITLE: ELECTRICAL SUBSTATION PROJECT – UNIVERSITY OF RHODE ISLAND

Questions and Responses:

Please clarify whether just structural steel needs to be of domestic origin or all steel products on the project. This requirement is only indicated in the bid form and not in the specifications for each product.

Response: Rhode Island State Law RIGL 37-2.1-1 et seq, requires that URI's contract documents include provisions stating that the "Steel Products Procurement Act" is in effect and states "any steel products required by the plans and specifications in this solicitation must be formed, extruded, forged, cast, fabricated or otherwise processed from steel made in the United States". For the sake of this project only the contractor is required to make all efforts to use steel which conforms to the Act. This will be, at a minimum, the structural steel used in this project. For products which are not readily available in the US, the contractor may procure such product elsewhere and document to the University the origin of such steel products.

• Please provide hourly rate for police details and the criteria that will be used to determine when police details will be required.

Response: There will be an allowance of \$20,000 for Police details needs. This amount shall be added to the base bid as a separate line item. All expenditures of this allowance shall be preapproved by the Project Manager as needed.

• As the building are not intended for habitation, and will be pre-manufactured units. Please clarify the requirement stated at the pre-bid meeting requiring a building permit in addition to the electrical permit.

Response: A building permit will be required for slab, fencing and the modular enclosure to be occupied. An electrical permit will be required for all areas of the project.

• Please clarify the completion date. The documents indicate that the substation 5 segment cannot be invoiced prior to July of 2015, yet the project is to achieve substantial completion by August of 2015.

Response: Completion date for the base bid remains the same. If "Alternate #1" is accepted, the completion date for Alternate #1 only, is January 15, 2016.

• Please clarify whether the 5 KV tie cable between substation #5 and Substation 1 &2 is part of the base bid or alternate. Response:

Response: This cable shall be considered part of the alternate, installed with the substation 4/5 work.

• Please clarify that vinyl coated chain link fence is suitable for use around medium voltage equipment as it can't be properly bonded electrically.

Response: Provide galvanized chain link fence in lieu of vinyl coated.

• Please clarify keyed note 5 on E6.15 what equipment is to operate on 24 VDC, and where is the 24 VDC to come from? Response:

Response: The requirement shows up on E6.14 (see keyed note 1) as well; the requirement applies to both substations. The intent is to bring 24VDC control power to the VFI controllers as well as the IXP-420 relays (or equal) required in the 35kV switches (both substations). The 24 VDC power sources (one per each substation) is specified on drawing E2.11, keyed notes 8 and 9.

• Please clarify the proposed generator connection voltage at the switchgear, and the need for an additional transfer switch. The scenario shown on will back feed one of the CPT's in the gear.

Response: Provide two Manual Transfer Switches (MTS) as indicated in sketches SKE-001 and SKE-002

- **Please clarify the use of #10 THHN conductors for control power to padmounted equipment. Should this be tray cable?**

Response: Provide non-shielded 10/3 power tray cable – PVC/nylon THHN/PVC – UL Type TC-ER – 600V in lieu of “loose” THHN/THWN conductors.

- **Please confirm that exterior lighting will only be required on the north side of the substation.**

Response: Exterior lighting is as shown on the contract documents, consisting of pole lights as shown and as observed, only on the north side of the substation.

Response to Questions Raised at Pre-Bid Conference on July 24, 2014 at 9:30am

Project: ELECTRICAL DISTRIBUTION SYSTEM UPGRADE AND NEW SUBSTATION

Date Issued:8/15/14

The following are responses to questions raised at the pre-bid meeting; Note that some of these responses are redundant to the responses contained in the RFQ for the Solicitation#7548883.

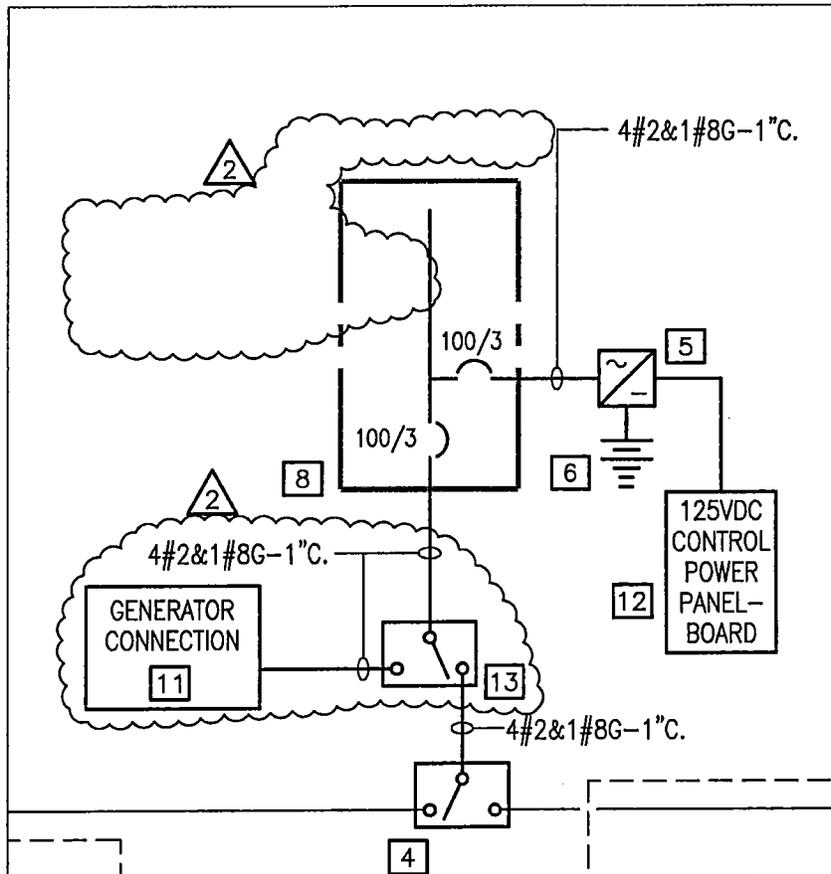
1. There will be an allowance of \$20,000 for Police detail needs. This amount shall be added to the base bid as a separate line item. All expenditures of this allowance shall be preapproved by the Project Manager as needed.
2. Substation #5 billing reference is deleted in Alternate #1. There is no requirement to hold billing till after July 1, 2015. If Alternate #1 is accepted the billing can proceed as the alternate portion of the project is implemented.
3. A building permit will be required for slab, fencing and the modular enclosure to be occupied. An electrical permit will be required for all areas of the project.
4. If "Alternate #1" is not accepted, then the 5KV tie to substation #5 shall be removed from the project.
5. If "Alternate #1" is accepted the completion time for substation #5 will be January 15, 2016.
6. Liquidated damages will apply to the base bid only.

Section 01 33 23 – Submittals

ELECTRONIC SUBMITTAL PROCEDURES

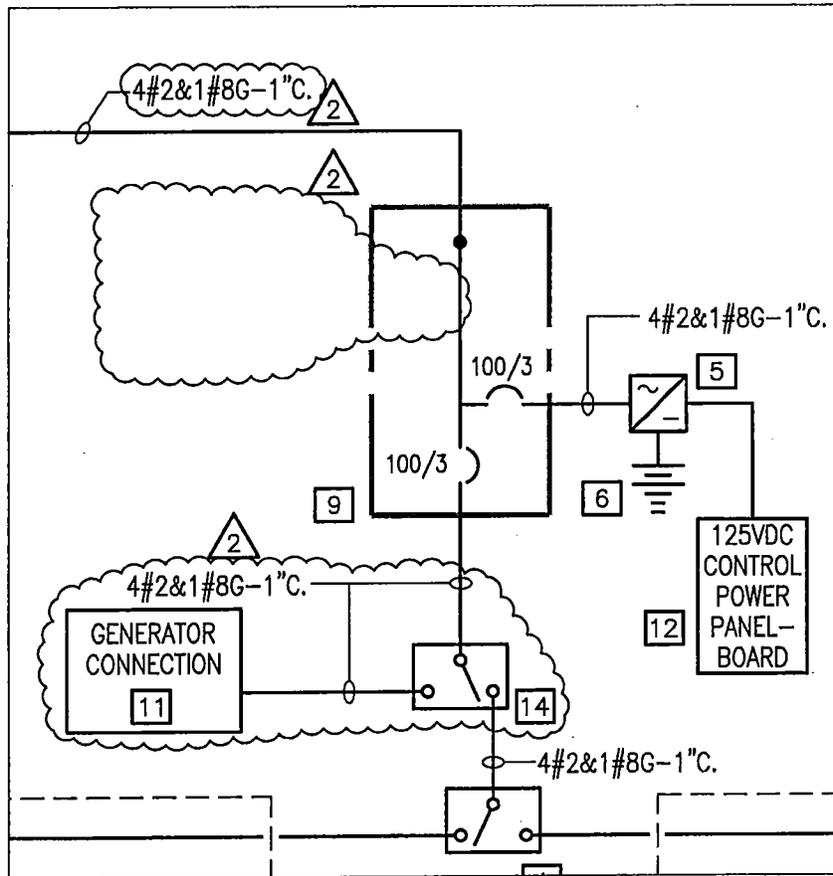
- A. Summary:
1. Shop drawing and product data submittals shall be transmitted to the Engineer in electronic (PDF) format using Submittal Exchange (www.submittalexchange.com) pre-approved website service designed specifically for transmitting submittals between all construction team members.
 2. The intent of electronic submittals is to expedite the construction process by reducing paperwork, improving information flow, and decreasing turnaround time.
 3. The electronic submittal process is not intended for color samples, color charts, or physical material samples.
- B. Procedures:
1. Create submittal log in Submittal Exchange by inserting required submittals listed in individual specification sections.
 2. Submittal Preparation - Contractor may use any or all of the following options:
 - a. Subcontractors and Suppliers provide electronic (PDF) submittals to Contractor via the Submittal Exchange website.
 - b. Subcontractors and Suppliers provide electronic (PDF) submittals to Contractor via email.
 - c. Subcontractors and Suppliers provide paper submittals to Scanning Service which electronically scans and converts to PDF format.
 3. Printed Submittals: Provide two printed sets of submittals for shop drawings for structural framing in addition to electronic submittals.
 4. Contractor shall review and apply electronic stamp certifying that the submittal complies with the requirements of the Contract Documents including verification of manufacturer / product, dimensions and coordination of information with other parts of the work.
 5. Contractor shall transmit each submittal to Architect using the Submittal Exchange website, www.submittalexchange.com.
 6. Architect / Engineer review comments will be made available on the Submittal Exchange website for downloading. Contractor will receive email notice of completed review.
 7. Distribution of reviewed submittals to subcontractors and suppliers is the responsibility of the Contractor.
 8. Submit paper copies of any reviewed submittals not submitted electronically at project closeout for record purposes in accordance with Section 01 77 19 – Contract Closeout.
- C. Costs:
1. General Contractor shall include the full cost of Submittal Exchange project subscription in their proposal. This cost is included in the Contract Amount. Contact Submittal Exchange at 1-800-714-0024 to verify cost prior to bid.
 2. The intent is for Submittal Exchange service cost to be in lieu of postage or shipping costs typically paid for paper submittals. Service cost is a net cost savings to Contractor because submittals sent electronically do not need to be shipped physically.
 3. After award of contract, training will be provided by Submittal Exchange regarding use of website and PDF submittals. Contact Submittal Exchange at 1-800-714-0024.
 4. Internet Service and Equipment Requirements:
 - a. Email address and Internet access at Contractor's main office.
 - b. Adobe Acrobat (www.adobe.com), Bluebeam PDF Revu (www.bluebeam.com), or other similar PDF review software for applying electronic stamps and comments.
- D. Products:
5. Basis of specification is Submittal Exchange website system for electronic construction submittals (www.submittalexchange.com) or equal.
 6. Substitution may be considered if submitted prior to bid date for pre-approval. Product requirements:

- a. Independently hosted, web-based system for automated tracking, storage, and distribution of contract submittals, Requests For Information, and other contract related documents. FTP sites, e-mail exchanges, and server-based systems hosted from inside a contractor's office will not be considered acceptable.
- b. Utilize 256-bit SSL encryption and hosted at SSAE 16 compliant data centers.
- c. Minimum five years documented experience of use on comparable commercial construction projects. "Comparable commercial construction projects" shall be defined as documented use on a minimum of five hundred governmental, public-entity, or private sector projects each of \$1 million construction value or greater.
- d. Minimum five years documented 99.5% website uptime.
- e. Unlimited individual user accounts and system access for all project subcontractors, general contractor, owner staff, architect, design consultants, and sub-consultants, with no additional fees for those parties to access the system.
- f. Separate locations for owner, architect, design consultant, and sub-consultant review comments with contractors restricted from viewing comments until final review or release by owner or primary design consultant.
- g. Full version histories and dates of exchanges automatically tracked and available for viewing, searching, and reporting in a linear log format compatible with AIA G712.
- h. Functionality to group submittals as required packages and apply forms and review comments to entire package simultaneously.
- i. Functionality for integrated online PDF viewing and review, including graphical markups and stamps, for owner, architect, design consultants, sub-consultants, and general contractor without need for additional software purchase.
- j. Automatic, configurable email notifications for each project team member for new and reviewed submittals and other items.
- k. Automatic, configurable email reminders of past due items.
- l. Customized, automated PDF form generation for submittals, RFIs, and other documents matching standard templates used by owner, design consultants, sub-consultants, and general contractor. Documentation and demonstration of automatic form generation using each entity's templates must be submitted as part of any substitution request.
- m. Prior to project start, system vendor shall create submittal log with all required items from project manual or submittal register. Owner or primary design consultant shall have full control over required items list and access to edit, add, or remove items during project.
- n. System vendor shall provide minimum one-hour live web meeting training sessions to contractors, design consultants, sub-consultants, and owners staff prior to project start.
- o. System vendor shall make available minimum thirty-minute live web meeting training sessions for subcontractors at least twice weekly for the entire duration of the project.
- p. System vendor shall provide access for owner, design consultants, sub-consultants, general contractor, and subcontractors to live technical support by phone and email minimum of 7 AM to 6 PM CST on standard business days at no additional cost.
- q. Allowance for scanning and printing services provided by local third-party reprographic vendor to assist with obtaining documents electronically and online print ordering.
- r. At completion of project closeout, system vendor shall provide minimum of four archival discs that include all documents and tracking logs, or the ability to download this information from the live website in a single complete archive package.



- 8 150A, 208Y/120V, 10KAIC, 100A MCB WITH INTEGRAL TVSS, 42 POLE, FILL PANEL WITH 20/1 CIRCUIT BREAKERS.
- 9 PROVIDE SIGN UNDER METERS ON MCB'S WHICH READS "VOLTAGE SENSING IS VIA MAIN BUS"
- 10 PROVIDE WARNING PLACARD. SEE NOTE 2,f,v,1 IN 'SEQUENCE OF OPERATION FOR SWITCHGEAR 1 & 2' ON THIS DRAWING
- 11 GENERATOR CONNECTION CABINET. SEE DRAWING E2.11 FOR ADDITIONAL INFORMATION.
- 12 PROVIDE ALL CONDUIT AND WIRE AS REQUIRED BY THE SWITCHGEAR MANUFACTURER TO PROVIDE CONTROL POWER TO THE SWITCHGEAR.
- 13 150A, 3φ, 4 POLE MANUAL TRANSFER SWITCH

PROJECT: UNIVERSITY OF RHODE ISLAND SUBSTATION UPGRADE PROJECT		TITLE: MANUAL ATS ADDED - SUBSTATION #1A & #2A - ADDENDUM #2	
 THOMPSON CONSULTANTS, INC.	525 MILL ST. MARION, MA. 02738	JOB NUMBER: 084-1255.04	SKE 001
	Tel (508)-748-2620 * (866)-261-7487 Fax (508)-748-0059 www.thompson-consultants.com	DATE: 08/14/14	
		SCALE: N.T.S.	
		DRAWN: AJP CHECKED: MS	



- 9 150A, 208Y/120V, 10KAIC, 100A MCB WITH INTEGRAL TVSS, 42 POLE. FILL PANEL WITH 20/1 CIRCUIT BREAKERS.
- 10 PROVIDE WARNING PLACARD. SEE NOTE 2,f,v,1 IN 'SEQUENCE OF OPERATION FOR SWITCHGEAR 1 & 2' ON THIS DRAWING
- 11 GENERATOR CONNECTION CABINET. SEE DRAWING E2.11 FOR ADDITIONAL INFORMATION.
- 12 PROVIDE SYNCH CHECK RELAY WITH DEAD BUS/LIVE LINE SELECTOR SWITCH EQUAL TO BASLER ELECTRIC BE1-25
- 13 PROVIDE ALL CONDUIT AND WIRE AS REQUIRED BY THE SWITCHGEAR MANUFACTURER TO PROVIDE CONTROL POWER TO THE SWITCHGEAR.
- 14 150A, 3 ϕ , 4 POLE MANUAL TRANSFER SWITCH

PROJECT: UNIVERSITY OF RHODE ISLAND SUBSTATION UPGRADE PROJECT		TITLE: MANUAL ATS ADDED - SUBSTATION #5 - ADDENDUM #2	
 THOMPSON CONSULTANTS, INC.	525 MILL ST. MARION, MA. 02738		SKE 002
	Tel (508)-748-2620 * (866)-261-7487 Fax (508)-748-0059 www.thompson-consultants.com		
	JOB NUMBER: 084-1255.04		
	DATE: 08/14/14		
SCALE: N.T.S.		DRAWN: AJP CHECKED: MS	

Solicitation #: 7548883
Solicitation Title:
University of Rhode Island

BID FORM

To: The State of Rhode Island Department of Administration
Division of Purchases, 2nd Floor
One Capitol Hill, Providence, RI 02908-5855

Bidder:

Legal name of entity

Address (street/city/state/zip)

Contact name Contact email

Contact telephone Contact fax

1. BASE BID PRICE

The Bidder submits this bid proposal to perform all of the work (including labor and materials) described in the solicitation for this Base Bid Price (*including the costs for all Allowances, Bonds, and Addenda*):

\$ _____
(base bid price *in figures* printed electronically, typed, or handwritten legibly in ink)

(base bid price *in words* printed electronically, typed, or handwritten legibly in ink)

• **Allowances**

The Base Bid Price ***includes*** the costs for the following Allowances:

No. 1: Subsurface Conditions due to unforeseen conditions	\$50,000.00
No. 2: Electrical Variances due to unforeseen conditions	\$50,000.00
No. 3: Police Detail	\$20,000.00
Total Allowances:	\$120,000.00

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- **Bonds**

The Base Bid Price ***includes*** the costs for all Bid and Payment and Performance Bonds required by the solicitation.

- **Addenda**

The Bidder has examined the entire solicitation (including the following Addenda), and the Base Bid Price ***includes*** the costs of any modifications required by the Addenda.

All Addenda must be acknowledged.

Addendum No. 1 dated: _____

Addendum No. 2 dated: _____

Addendum No. 3 dated: _____

2. **ALTERNATES** (*Additions/Subtractions to Base Bid Price*)

The Bidder offers to: (i) perform the work described in these Alternates as selected by the State in the order of priority specified below, based on the availability of funds and the best interest of the State; and (ii) increase or reduce the Base Bid Price by the amount set forth below for each Alternate selected.

Check "Add" or "Subtract."

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___ Add ___ Subtract Alternate No. 1: **Alternate No. 1: Provide separate pricing for all electrical, civil, and structural work associated with existing Substation 4 and new Substation 5. Note that:**

- a. **The new 34.5 kv feeder to Switch 35-3 shall be included in the base bid.**
- b. **All other work on Switch 35-3 shall be part of Add Alternate No. 1.**
- c. **New equipment which shall be part of Add Alternate No. 1 includes:**
 - i. **Substation 5, 5MVA transformer**
 - ii. **5kv voltage regulator bypass switch VFI-B-5-2**
 - iii. **Substation 5 voltage regulator VR-5-5**
 - iv. **Addition to 4160v switchgear**
 - v. **4150v pad-mounted switchgear VFI-5-5**

Substation #5 to completed and billed after July 1, 2015.

\$ _____
(amount *in figures* printed electronically, typed, or handwritten legibly in ink)

(amount *in words* printed electronically, typed, or handwritten legibly in ink)

___ Add ___ Subtract Alternate No. 2: **Delete Sheet C2.2, C3.1, and C4.1. Replace with C2.3, C3.2, and C4.2. The security fence is removed from the contract. Replace with a louver and perforated steel fence.**

\$ _____
(amount *in figures* printed electronically, typed, or handwritten legibly in ink)

(amount *in words* printed electronically, typed, or handwritten legibly in ink)

___ Add ___ Subtract Alternate No. 3: **N/A**

\$ _____
(alternate amount *in figures* printed electronically, typed, or handwritten legibly in ink)

(alternate amount *in words* printed electronically, typed, or handwritten legibly in ink)

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3. UNIT PRICES

The Bidder submits these predetermined Unit Prices as the basis for any change orders approved in advance by the State. These Unit Prices include **all** costs, including labor, materials, services, regulatory compliance, overhead, and profit.

Refer to Section 31 00 00 for unit prices for rock removal and unsuitable soils.

4. CONTRACT TIME

The Bidder offers to perform the work in accordance with the timeline specified below:

- Substantial completion of Primary Project: August 1, 2015

5. LIQUIDATED DAMAGES

The successful bidder awarded a contract pursuant to this solicitation shall be liable for and pay the State, as liquidated damages and not as a penalty, the following amount for each calendar day of delay beyond the date for substantial completion, as determined in the sole discretion of the State: \$ **\$10,000.00**

This bid proposal is irrevocable for 60 days from the bid proposal submission deadline.

If the Bidder is determined to be the successful bidder pursuant to this solicitation, the Bidder will promptly: (i) comply with each of the requirements of the Tentative Letter of Award; and (ii) commence and diligently pursue the work upon issuance and receipt of the purchase order from the State and authorization from the user agency.

Solicitation #: 7548883
Solicitation Title:
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The person signing below certifies that he or she has been duly authorized to execute and submit this bid proposal on behalf of the Bidder.

BIDDER

Date: _____

Name of Bidder

Signature in ink

Printed name and title of person signing on behalf of Bidder
#

Bidder's Contractor Registration Number