



State of Utah

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Department of Administrative Services

KIMBERLY K. HOOD  
Executive Director

Division of Facilities Construction and Management

DAVID G. BUXTON  
Director

## ADDENDUM #1

Date: March 16, 2010

To: Contractors

From: Tim Parkinson, Project Manager, DFCM

Reference: Stadium Lighting and Tower Replacement  
Weber State University – Ogden, Utah  
Project No.09061810

Subject: **Addendum No. 1**

Pages	Addendum	1 page
	Revised Bid Tab	2 pages
	<u>Engineers Addendum</u>	<u>5 pages</u>
	Total	8 pages

**Note:** *This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to Disqualification.*

While we contend that SB220 should only be potentially applicable to a contract issued after the effective date of said bill, this is to clarify that for purposes of this contract, regardless of the execution or effective dates of this contract, the status of Utah Law and remedies available to the State of Utah and DFCM, as it relates to any matter referred to or affected by said SB220, shall be the Utah law in effect at the time of the issuance of this Addendum.

1.1 **SCHEDULE CHANGES** – There are no changes to the project schedule.

1.2 **GENERAL** – Bid Form Changes – There was one additive alternate added to the bid form.  
Relocation of Towers 1, 3, 4, & 6 as per ES101 Note 5.

ARW Engineers, Please see attached documents.

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Where ideas connect



Division of Facilities Construction and Management

REVISED BID FORM

NAME OF BIDDER \_\_\_\_\_ DATE \_\_\_\_\_

To the Division of Facilities Construction and Management
4110 State Office Building
Salt Lake City, Utah 84114

The undersigned, responsive to the "Notice to Contractors" and in accordance with the "Instructions to Bidders", in compliance with your invitation for bids for the Stadium Lighting and Tower Replacement - Weber State University - Ogden, Utah - DFCM Project 09061810 and having examined the Contract Documents and the site of the proposed Work and being familiar with all of the conditions surrounding the construction of the proposed Project, including the availability of labor, hereby proposes to furnish all labor, materials and supplies as required for the Work in accordance with the Contract Documents as specified and within the time set forth and at the price stated below. This price is to cover all expenses incurred in performing the Work required under the Contract Documents of which this bid is a part:

I/We acknowledge receipt of the following Addenda: \_\_\_\_\_

For all work shown on the Drawings and described in the Specifications and Contract Documents, I/we agree to perform for the sum of:

BASE BID:

\_\_\_\_\_ DOLLARS (\$\_\_\_\_\_)

(In case of discrepancy, written amount shall govern)

ADDITIVE ALTERNATE #1 - Relocation of Towers #1, 3, 4, & 6 as per ES101 Note 5.

\_\_\_\_\_ DOLLARS (\$\_\_\_\_\_)

(In case of discrepancy, written amount shall govern)

I/We guarantee that the Work will be Substantially Complete by July 4, 2010, should I/we be the successful bidder, and agree to pay liquidated damages in the amount of \$250.00 per day for each day after expiration of the Contract Time as stated in Article 3 of the Contractor's Agreement.

This bid shall be good for 45 days after bid opening.

Enclosed is a 5% bid bond, as required, in the sum of \_\_\_\_\_

The undersigned Contractor's License Number for Utah is \_\_\_\_\_

Upon receipt of notice of award of this bid, the undersigned agrees to execute the contract within ten (10) days, unless a shorter time is specified in the Contract Documents, and deliver acceptable Performance and Payment bonds in the prescribed form in the amount of 100% of the Contract Sum for faithful performance of the contract.

The Bid Bond attached, in the amount not less than five percent (5%) of the above bid sum, shall become the property of the Division of Facilities Construction and Management as liquidated damages for delay and additional expense caused thereby in the event that the contract is not executed and/or acceptable 100% Performance and Payment bonds are not delivered within the time set forth.

Type of Organization:

\_\_\_\_\_  
(Corporation, Partnership, Individual, etc.)

Any request and information related to Utah Preference Laws:

\_\_\_\_\_

Respectfully submitted,

\_\_\_\_\_  
Name of Bidder

ADDRESS:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
Authorized Signature



## STRUCTURAL PLAN REVIEW RESPONSE

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Project: WSU New Stadium Lights

DFCM Project No: 09061810

Date: March 16, 2010

ARW Project No: 09293

Specification Assisting Engineer: Jeremy L. Achter, S.E.

License #: 353467

Reviewed By: Chris Kimball, S.E.

Company: Kimball Engineering, P.C.

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### Items Reviewed:

Item 1a- Project specifications section 16666 has been revised to include the occupancy category requirements for the structural design.

Item 7- The special Inspection schedule has been revised to include the requirements for drilled piers as required.

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Copy To: ECE Electrical Consulting Engineering

## SECTION 16666 - BASIC STRUCTURAL DESIGN CRITERIA

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this and the other sections of Division 16.

#### 1.2 SUMMARY

- A. This section includes requirements of the structural design criteria for the pole and its foundation system. The following administrative and procedural requirements are included in this Section to expand the requirements specified in Division 1:

- Submittals.
  - Drawings and Calculations.
  - Design Criteria.

#### 1.3 SUBMITTALS

- A. Provide at a minimum, five (5) sets of design drawings for the pole structure and the embedment details for review. All submitted design/shop drawings shall be stamped and signed by a licensed professional engineer licensed to practice in the State of Utah.
- B. Provide at a minimum, five (5) sets of structural calculations for the pole structure, elements, and attachments for review. All submitted calculations shall be stamped and signed by a licensed professional engineer licensed to practice in the State of Utah.

#### 1.4 DESIGN CRITERIA

- A. The light support poles, their embedment, and all elements and attachments thereto shall be designed to comply with the requirements of the International Building Code (IBC) 2006 edition, any Utah State Amendments that are applicable, and the approved geotechnical report that has been provided as part of these documents.
- B. The light support poles service the football stadium which has been classified as an occupancy category III structure in accordance with the International Building code (IBC) 2006 edition. Therefore, the light poles shall be designed to meet the requirements of a category III structure.

END OF SECTION 16666



## SPECIAL INSPECTION AND TESTING UNDER THE PROVISIONS OF IBC 1704 AND FOR MISCELLANEOUS AREAS

Indicate required Special inspections for project by checking the appropriate boxes and provide specific instructions as to the inspection requirements and the expectations of the architect, engineer and owner:

### FABRICATORS (IBC 1704.2)

<input type="checkbox"/> Approved Fabricator	Fabricators Name:
<input checked="" type="checkbox"/> Unapproved Fabricator	Fabricators Name: The fabricator is required to be on the DFCM approved fabricator list or the fabricator shall have prior approval and provisions shall be provided for the fabricator to pay for in-shop special inspections.
In-plant inspections	
<input checked="" type="checkbox"/> Steel Construction	<input checked="" type="checkbox"/> Welding
<input type="checkbox"/> Details	

### STEEL (IBC 1704.3)

Item	Detailed Instructions and Frequencies		
WELDING	Welding inspections shall be in compliance with AWS D1.1. The basis for inspector qualifications shall be AWS D1.1		
Complete & partial penetration groove welds	<input checked="" type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	Ultrasonic testing shall be provided for all CJP welds.
Multipass fillet welds	<input checked="" type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	All welds shall be visually inspected.
Single-pass fillet welds > 5/16"	<input checked="" type="checkbox"/> Continuous	Periodic	All welds shall be visually inspected
Single-pass fillet welds ≤ 5/16"	Continuous	<input checked="" type="checkbox"/> Periodic	All welds shall be visually inspected.

### CONCRETE CONSTRUCTION (IBC 1704.4)

Item	Detailed Instructions and Frequencies		
Use of required design mix	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic	Verify proper mix prior to every pour.
Concrete sampling for strength test, slump, air content, and temperature of concrete	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic	Verify required items prior to every pour.
Concrete placement	<input checked="" type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	Verify that concrete placement is in accordance with the pole designer and manufacturers specifications.

### PIER FOUNDATIONS (IBC 1704.9)

Item	Detailed Instructions and Frequencies		
Observe drilling operation and reporting	<input checked="" type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	Maintain complete and accurate records for each pier.
Verify placement & installation data	<input checked="" type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	Verify placement location and plumbness, confirm pier diameters, lengths, and soil properties as required by the approved soils report.

#### Special Inspectors Shall:

- Be approved by the Building Official prior to performing any duties;
- Provide proof of licensure as a special inspector by the State of Utah for each type of inspection;
- Inspection reports are to meet the requirements of IBC 1704.1.2 and DFCM standards;
- Inspection reports are to be submitted to the code consultant, architect, DFCM project manager, and the State of Utah Building Official within 48 hrs. of inspections;
- A final inspection report shall be submitted following completion of the project documenting the types of special inspections performed and a statement indicating that the structure is in compliance with the drawings, specifications and applicable codes. IBC 1704.1.2

Updated October 8, 2009

### NONSTRUCTURAL COMPONENT CHECKLIST

ITEM DESCRIPTION	NOT REQUIRED	ON CONST. DOCUMENTS	DEFERRED SUBMITTAL	COMMENTS
<b>Architectural Components:</b>				
Interior Nonstructural Walls & Partitions	X			
Cantilever Elements (i.e. parapets, etc.)	X			
Exterior Nonstructural Wall Elements	X			
Veneer	X			
Penthouses	X			
Ceilings (i.e. suspended grid or hard-lid)	X			
Cabinets (i.e. storage cabinets, equip, etc.)	X			
Access Floors	X			
Storage Racks	X			
Appendages & Ornamentations	X			
Signs & Billboards	X			
Other:				
Other:				
<b>MEP Components:</b>				
Fire Sprinklers	X			
Mechanical Equipment (i.e. HVAC, fans, air handlers, boilers, furnaces, tanks, chillers, water heaters, heat exchangers, evaporators, engines, turbines, pumps, compressors, MFR equipment, etc.)	X			
Electrical Equipment (i.e. generators, batteries, inverters, transformers, MCC, panel boards, switch gear, cabinets, etc.)		X		
Elevator & Escalator Components	X			
Communication Equipment, Computers, Instrumentation, and Controls		X		
Roof-mounted Chimneys, Stacks, Cooling & Electrical Towers	X			
Lighting Fixtures		X		
Vibration Isolated Components	X			
Piping & Conduit Systems		X		
Ductwork (including in-line components)	X			
Conveyors	X			
Cable Trays	X			
Other:				
Other:				

**NOTES:**

1. Deferred submittals for seismic restraint of nonstructural components must be submitted to the DFCM Building Official a minimum of two weeks prior to the planned installation in order to allow for plan review and forwarding to inspectors. In the event that the submittal is deficient additional time may become necessary.
2. If seismic restraints of non-structural components are installed prior to receiving DFCM approval they shall not be covered or concealed until receiving both plan review and inspection approval. Further, installers are proceeding at their own risk until plan review and inspection approval occurs.
3. The requirements for seismic restraint of nonstructural components cannot be satisfied by a general reference to Design Manuals. The design professional may utilize these manuals as a basis of their design, but must provide all supporting documentation to ensure that the design conforms to the requirements of ASCE 7-05, Chapter 13.
4. Submittals must include details of the proposed seismic restraint of nonstructural components. These details must show specific information relating to the materials, type, size, and locations of anchorages; materials used for bracing; attachment requirements of bracing to structure and component; and locations of transverse and longitudinal sway bracing and rod stiffeners. Submittals may also require structural calculations, engineering reports, test data, and/or specifications to ensure code compliance.