



ADDENDUM #2

CSP #21-006 FHS STADIUM LIGHTING - QUESTIONS & ANSWERS

QUESTION #1

There are a couple "concerns" I have identified that are currently a part of contract/request for bid documents. These may seem minor now, but could create liability issues for FISD moving forward as it relates to current verbiage contained within doc's.

Example: Pg:29, 3.1 Section C

C. Correcting Non-Conformance:

If, in the opinion of the Owner or his appointed Representative, the actual performance levels including footcandles, uniformity ratios, and maximum kilowatt consumptions are not in conformance with the requirements of the performance specifications and submitted information, the Manufacturer shall be liable to any or all of the following:

1. Manufacturer shall at his expense provide and install any necessary additional fixtures to meet the minimum lighting standards. The Manufacturer shall also either replace the existing poles to meet the new wind load (EPA) requirements or verify by certification by a licensed structural engineer that the existing poles will withstand the additional wind load.
2. Manufacturer shall minimize the Owner's additional long term fixture maintenance and energy consumption costs created by the additional fixtures by reimbursing the Owner the amount of \$1,000.00 (one thousand dollars) for each additional luminaire required.
3. Manufacturer shall remove the entire unacceptable lighting system and install a new lighting system to meet the specifications.

ANSWER

The following changes should be made:

Example: 3.1 Section C (Page 29 and Page 38)

C. Correcting Non-Conformance:

If, in the opinion of the Owner or his appointed Representative, the actual performance levels including footcandles, uniformity ratios, and maximum kilowatt consumptions are not in conformance with the requirements of the performance specifications and submitted information, **the Contractor and/or** Manufacturer shall be liable to any or all of the following:

1. **The Contractor and/or** Manufacturer shall at his expense provide and install any necessary additional fixtures to meet the minimum lighting standards. The Manufacturer shall also either replace the existing poles to meet the new wind load (EPA) requirements or verify by certification by a licensed structural engineer that the existing poles will withstand the additional wind load.

2. The Contractor and/or Manufacturer shall minimize the Owner's additional long term fixture maintenance and energy consumption costs created by the additional fixtures by reimbursing the Owner the amount of \$1,000.00 (one thousand dollars) for each additional luminaire required.
3. The Contractor and/or Manufacturer shall remove the entire unacceptable lighting system and install a new lighting system to meet the specifications.

QUESTION #2

1.4 Cost of Ownership; Page 25; Section C

I would suggest adding Manufacturer to include all Group LED DRIVER replacement, remove lamp.

ANSWER

1.4 Cost of Ownership; Section C (Page 25 and Page 34) should be updated to the following:

C. Complete Lamp Replacement: The Contractor and/or Manufacturer to include all group LED DRIVER replacements required to provide 25 years of operation based upon 400 usage hours per year.

QUESTION #3

1.7 Alternate Systems Requirements; Section A located below Area of Lighting chart

"Manufacture shall provide" I suggest adding "awarded Contractor" as well. Manufacturer cover warrantied item, Contractor labor to repair or replace.

ANSWER

1.7 Alternate Systems Requirements; Section A located below Area of Lighting chart; (Page 26 and Page 34) should be updated to the following:

A: Revised Electrical Distribution: The Contractor and/or Manufacturer shall provide electrical distribution plans to include changes to service entrance, panel, and wire sizing. The Contractor will provide labor to repair or replace. The Manufacturer will cover warrantied items.

QUESTION #4

Part 2 Product; Page 27, Item 4 Control

Suggest adding remote control and dimming capabilities to on/off.

ANSWER

Remote control and dimming capabilities to on/off are optional; not required under the specifications.

QUESTION #5

2.3 Control; Page 28; Item 3

Add 24 hr./7-day programing schedules.

Remote Control System:

ADD: System to provide: on/off/dimming/strobing remotely, press box, cell phone, electrical room.

ANSWER

24 hr programming schedules and remote control system to provide on/off/dimming/strobing remotely, press box, cell phone, electrical room are options; not required under the specifications.

QUESTION #6

Awarded Contractor agrees to provide as part of proposal, "night set" to finalize/adjust/add any fixtures as needed to meet photometric requirements per specification, adjust/add glare shields as needed to reduce light trespass, glare and "hot spots" on field or stands.

ANSWER

Yes

QUESTION #7

Any processes or dates required for submittal of manufacturers other than approved product listed?

ANSWER

No processes or dates are required for submittal of manufacturers. Responses must meet or exceed specifications as listed and be received by 1:00PM CST February 22, 2021

QUESTION #8

Clarification of pole height of center pole on football field home side? (it appears the center pole is taller than all the rest)

ANSWER

Approximately 100'

QUESTION #9

I.2 Lighting Performance: Page: 24, Sub section D- Pole height

Currently list pole height @ 70'. Does not appear to be accurate as Center poles seem to be 100' plus, corner poles closer to 60'; If not corrected this will greatly affect Photometric Study, fixture count and aiming of same.

ANSWER

Center Poles are approximately 100'

QUESTION #10

Football field spec calls for 196 points on a 30'x30' grid, typical field inclusion points call for 72. Does the 50fc average fc level required in spec apply to all 196 points or only the football field. 50 fc across the entirety of the 196-point grid would require new poles to accommodate enough fixtures for specified illumination. Epa rating of poles would exceed current configuration.

ANSWER

Only on the football field.

QUESTION #11

Specify boundary line of spill light, property line or distance from area of illumination?

ANSWER

Not specified. However, lighting tests will be conducted and adjustments made prior to job completion.

QUESTION #12

Will we have a secure area to store materials, equipment and fixtures?

ANSWER

Material stored on-site is a contractor responsibility. Friendswood ISD is not liable for lost, stolen, or damaged equipment.

QUESTION #13

Will structural integrity inspections be performed? If not will the service need to be included in the bid?

ANSWER

Structural integrity inspections will be performed independently and is not included in the scope of the bid.

QUESTION #14

Does Friendswood ISD assume all of the existing conditions of the existing poles, cat walks, concrete pole bases and accessories for this installation are in compliance and meet or exceed all the required Authorities Having Jurisdiction for this project?

ANSWER

Yes

QUESTION #15

Is Friendswood ISD requiring contractors to verify and test existing poles, bases etc. for new installation?

ANSWER

No

QUESTION #16

Are the existing flood lights on the existing poles and cat walk part of this project?

ANSWER

No

QUESTION #17

Are we to include all stadium lighting or field lighting only?

ANSWER

Field Lighting must be included in the CSP response. The contractor may include as a separate line item for stadium lighting.

QUESTION #18

One light on the visitor side shines onto the water tower – should this light be included in the proposal?

ANSWER

Yes

QUESTION #19

Replace fixtures only? Do the cages stay?

ANSWER

The specifications are for fixture replacement. The contractor may include cage removal as an option.

QUESTION #20

Are parking lot lights to be included in this bid?

ANSWER

Parking lot lights are not included in the specifications, but may be included as a separate line item.

QUESTION #21

Are we required to run new wiring from the fixture to the gutter boxes? Or can the existing wiring be used.

ANSWER

Proposal should include new wiring

QUESTION #22

Could you also post the sign-in sheet to this morning's meeting of all that attended?

ANSWER

Pre-Bid Meeting/Walk-Through			
Project:	21-006 FHS Stadium Lighting	Meeting Date:	2/4/21 10:00am
Facilitator:	Erich Kreiter & Carol Blain	Place/Room:	FHS Winston Stadium

Name	Company
Wayne Berkenmeier	McDonald Electric
Steve Brown	Facility Solutions Group (FSG)
David Floyd	Facility Solutions Group (FSG)
Michael Enstep	Putterman Scharck
Cheyenne Carbajal's co-worker	Nash Industries
Dominique Outten	Traffic Systems Construction Inc.
Eron Smith	Superior Lighting Concepts
Justin James	Generocity Services
Mark Parnin	Basic IDIQ
John Ellen	LAI
Mark Reynolds	Techline Sports Lighting
Zack Moore	Pfeiffer & Son
Daryl Turner	Turner Power & Construction
Kyle Cline	Turner Power & Construction
Sam Yaeger	Musco Lighting
Alan Morris	WLS Lighting