

Hann, Hervey

From: Hann, Hervey
Sent: Tuesday, October 08, 2013 1:18 PM
To: Chris Barnett (CBarnett@cra-architects.com)
Subject: FW: Southern Fulton Jr./Sr. High School Reno - lighting fixtures
Attachments: EC-01.pdf

Chris

Please see my e-mail that I sent to board regarding lights.

Hervey P. Hann

Superintendent

Southern Fulton School District

From: Hann, Hervey
Sent: Tuesday, October 08, 2013 1:14 PM
To: Allen Morton; Danny Crouse; David Smith (smith.drs99@gmail.com); Eric Barnhart; Mark Mosemann; Patrick Bard (pbeqd1@gmail.com); Timothy Hull; Timothy Mellott
Subject: FW: Southern Fulton Jr./Sr. High School Reno - lighting fixtures

I cannot recommend this change. Please note this change was initiated by Reynolds not us at the district. I would have a concern about dropping to a 25W lamp verses the 32W lamp. If there is to be no change order, there is no board action required. I will have this at the board meeting just in case someone wants to take action to approve this change order.

Hervey P. Hann

Superintendent

Southern Fulton School District

From: Chris Barnett [<mailto:CBarnett@cra-architects.com>]
Sent: Friday, October 04, 2013 11:56 AM
To: Hann, Hervey; Bain, John
Subject: FW: Southern Fulton Jr./Sr. High School Reno - lighting fixtures

Good morning guys, hope all is well.

I am in the process of sending out / receiving some of those changes that have been talked about for the jr/sr high school project, and here is the one regarding the light fixtures. If you recall, on bid day, Reynolds contacted me in my car to say they needed us to switch the new 32W T8 lamps with instant start ballasts with 25W T8 lamps with programmed start ballasts. We obviously couldn't make the switch then because the bids were due an hour later, so I forwarded the request to Lobar for pricing.

Changing to the 25W lamps, as per my electrical engineer, will draw less power but at the cost of foot candles (light level of lighting fixture). It is not a considerable loss though, but there is some loss. Throughout the schools we do, we typically design around 32W T8 lamps based upon the affordability of them. 32W T8 lamps are more affordable for a school district when lamps start to fail because they are more readily used.

The difference between instant start ballasts and program start ballasts, per my engineer, are:

- Instant start T8 ballasts are the least costly option. It should be warned that instant start ballasts may reduce lamp life when controlled by occupancy sensors. However, even if the rated life is reduced by 25%, if due to the occupancy sensor the lamp is more than 25% of the time, then the socket life (the length of time before the lamps are replaced) will be greater.
- Program start T8 ballasts are normally recommended on the occupancy sensor controlled lamps due to increased lamp life. They use approximately 5% more power than the instant start ballasts do. It should be noted that program start ballasts will result in slightly higher power consumption with the same light level.

Our engineer reviewed the cost proposal and found it to be in line. So, please review and let me know how you want to proceed. If you wanted the change made for that additional cost, I will process the paperwork and let Lobar know, but please let me know either way. Thanks!!!

Chris



Change Request

To: Chris Barnett
 Crabtree Rohrbaugh & Assoc.
 401 E Winding Hill Rd
 Mechanicsburg, PA 17055
 Ph: 717-458-0272

Number: EC-01
 Date: 10/3/2013
 Job: 13036 EC-Southern Fulton Jr/Sr HS
 Owner Contract #:
 Phone: 717-432-9728

Description: Ballast and Lamp Change
 Change all 32W T8 lamps and their associated instant start ballasts to 25W T8 lamps and programmed start ballasts. These changes will not affect the dimensions of the light fixtures that we already submitted; all fixture depths will remain the same. However, it will very likely delay the light fixture availability.

LABOR

Duration	Hours (H)	Classification	Hourly Rate (BR)	Base Rate Costs (H x BR)
3.00	hrs	PM Time	50.00	\$150.00
<hr/>			Total Wage Rate Cost (TWR)	\$150.00

Mandated Burden

	Basis	Rate	Amount
Social Security	\$150.00	7.650 / 100	\$11.48
State Unemployment Tax	\$150.00	10.584 / 100	\$15.88
Federal Unemployment Tax	\$150.00	0.600 / 100	\$0.90
Worker's Compensation - Project Mgr	\$150.00	0.490 / 100	\$0.74
Public Liability - All Others	\$150.00	1.110 / 1000	\$0.17
Lobar Fringe	\$3.00	1.050 / HRS	\$3.15
Vehicle Allowances / Holidays	\$3.00	4.740 / HRS	\$14.22
Total Mandated Burden (TMB)			\$46.54
			Subtotal:
15.00%	Labor Overhead & Profit		\$196.54 \$29.48
TOTAL LABOR COST:			\$226.02

MATERIAL

Quantity (Q)	Units (U)	Description	Unit Cost (MU)	Sales Tax	Amount (Q x MU + Tax)
1.00		Change all 32W T8 lamps and their associated instant start ballasts to 25W T8 lamps and programmed start ballasts.	21,000.00	\$0.00	\$21,000.00
<hr/>			Subtotal:	\$0.00	\$21,000.00
15.00%	Material Overhead & Profit				\$3,150.00
TOTAL MATERIAL COST:					\$24,150.00

Change Request

EC-01

Summary

Labor	\$226.02
Materials	\$24,150.00
Subtotal:	\$24,376.02

GENERAL ADD-ONS

Rate		Amount
1.50%	Bond	\$365.64
		Subtotal Add-ons: \$365.64

The total Amount to provide this work is\$24,741.66

Only the work specifically detailed and priced above is included in this proposal. Any other work required is not included. This proposal is valid for fifteen (15) calendar days. We can proceed with this additional work as soon as written authorization as provided by the Contract documents is received. This additional work will require a 0 day(s) time extension.

Any costs incurred as a result of a time extension will be compiled and submitted for reimbursement. It is expressly understood between the Owner and Lobar, Inc. that the costs reflected in this additional work compensate Lobar, Inc. for the material and labor costs, including appropriate markups for overhead and profit to perform the described work. Lobar, Inc. expressly reserves its right to submit a claim pursuant to the Contract documents to recover costs associated with any delay, inefficiency or acceleration associated with the performance of the described work.

If you have any questions, please contact me at Ph: 717-432-9728

Thank you

James M. Katora