

**The Philadelphia Parking Authority
Mellon Independence Center
701 Market Street, Suite 5400
Philadelphia, PA 19106**

**Bid No. 16-02 – Replace Lights on Arrivals Road – Phase II
Philadelphia International Airport
Addendum Two**

To: See Email Distribution List

From: Mary Wheeler
Manager of Contract Administration

Date: April 12, 2016

No Pages: 10

This addendum is issued on April 12, 2016 prior to the bid due date to add, delete, modify, clarify and/or to respond to questions submitted by prospective proposers regarding the work included in the above referenced bid request.

CHANGES AND CLARIFICATIONS:

1. Attached as **Exhibit A** is the approval from the City of Philadelphia, Division of Aviation. Most of their review comments are already addressed in the plans and specifications, but all of their requirements should be included in your bid price.

MATERIAL SUBSTITUTION REQUEST:

1. Some bidders have requested to substitute a different lighting fixture.

Response: The Authority will not be approving any lighting fixture substitutions. Please refer to specification section 26 50 00, Part 2.02 Approved Fixtures, page 220 of 248. There is only one approved manufacturer and model for the LED canopy fixtures.

QUESTION:

1. **Question:** Is there a specific mounting height from road surface or from garage ceiling?

Response: Please refer to General Note 4 and Detail 3 on Drawing E-8. The bottom face of the fixture should be flush with the bottom of the concrete T beam vertical web, unless otherwise noted.

END OF ADDENDUM TWO

Exhibit A

April 5, 2016

Frank Ragozzini
PPA
One Main Toll Plaza
Philadelphia International Airport
Philadelphia, PA 19153

**Subject: Philadelphia International Airport – Permit #T16-035
PPA, Arrivals Road Canopy
Review Comments – Light Fixture Replacement 01**

Dear Mr. Ragozzino:

The Division of Aviation (DOA) has completed the review of the above referenced permit application. The permit applicant is hereby **“approved as noted”** pending compliance to the following items:

1. Tenant must respond to the review comment. Response may be in the form of a letter, sketch and/ or revised drawings as necessary.
2. Provide proof of Contractor's Liability Insurance with a minimum coverage amount of \$1,000,000. Statutory Limits on Worker's Compensation. The referenced permit name and number must be listed in the certificate description. Also to be listed as additional insured will be the “City of Philadelphia, its officers, employees and agents.” Cancellation wording shall read “Should any of the above described policies be cancelled or materially changed before the expiration date thereof, the issuing company **will** mail (not endeavor to mail) 30 days prior written notice to the Certificate Holder and all additional insured parties.”
3. As-built drawings (reproducible 22" x 34") and all other closeout documentation must be submitted to DOA after the completion of project. Also, a CADD disk utilizing the latest version of auto CAD of the construction documents is required.
4. All applicable permits from the City of Philadelphia (License and Inspections Unit) and any other applicable agency having jurisdiction over this project must be procured prior to construction.
5. Provide a construction schedule with start dates and finish dates.

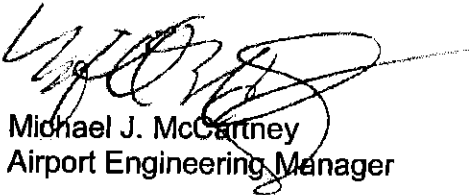
6. Provide a list of all subcontractors with 24 hour / 7 day emergency contact information.

Construction of the permitted work is to begin within six months from the date of this letter. If construction is delayed after that date, a new permit will be required.

Please note that the approval of this permit application in no way implies that the Division of Aviation has reviewed the application and associated documentation for compliance with applicable local, state, and/or federal codes, laws, and regulations. It is the responsibility of the applicant to ensure that the construction meets all local, state, and/or federal codes, laws, regulations, requirements and standards.

Contact Lisa Boyer, DOA Engineering, at 215-937-5506, to schedule a pre-construction meeting at least seven (7) days prior to the proposed start date. Insurance forms and permits from other agencies must be submitted at the pre-construction meeting.

Sincerely,


Michael J. McCartney
Airport Engineering Manager

LB

Cc: D. Rincon, K. Brune, R. Scheinfeld, A. Moore, J. Tyrrell, M. Evans, C. Dougherty, R. Tufts, J. Donnelly

File: # T16-035

Encl: Review Comments from DOA

MEMORANDUM

CITY OF PHILADELPHIA

TO: Lisa Boyer, DOA Engineering

DATE: 04/07/2016

FROM: Judi Wright, Operations

SUBJECT: Permit #T16-035, PPA
Lighting Replacement 01 – Arrivals Road
Permit Review Comments

We have reviewed the aforementioned submission dated 03/21/2016 and have the following comments:

General Comments

1. Please notify Operations and Airport Police of any impact to traffic/vehicle egress.

MEMORANDUM

CITY OF PHILADELPHIA

TO: Lisa Boyer, DOA Engineering

FROM: Wayne Darney, Burns

SUBJECT: Permit #T16-035, PPA
Lighting Replacement 01 – Arrival Road
Permit Review Comments

DATE: 03/23/2016

We have reviewed the aforementioned submission dated 03/21/2016 and have the following comments:

Drawing CS-1 General Notes

1. Add: Note No.3 The Electrical Contractor shall comply with all provisions of NEC 70E for circuit voltage testing and LOTO procedures.
2. Add: The Electrical Contractor shall confirm branch circuit integrity before and after circuit modifications to ensure no open circuit, no short circuit and insulation levels for 600V cabling.
3. Note No.1 Add: NEC 2008
4. Note No.14. Add: All 600V wiring shall be THHN/THWN copper only. Color coding for 120/208V & 277/480V systems shall be as per NEC.
5. Note No.18: Define how many branch circuits or areas can be interrupted at any one time. Advise if there are any temporary power provisions, especially for the emergency circuits.
6. Location Plan: Provide North Arrow and scale.
7. Provide symbol list with source panelboard, typical homerun circuit, pull box, etc.
8. Fixture Schedule: Define operating voltage.

Drawing E-0 through E-7

9. The source panelboard with the associated branch circuit are identified for all new or renovation work; indicate the operating voltage.

10. Identify work is to occur approximately 20 ft. above finish grade for bidding purposes.

11. No.14: AWG fixture service loop wire must be copper.

Drawing E-8

12. Show stainless steel fixture catch leash.

13. Question: Shall fixture service loop wire have sufficient length to make it to new junction box or existing junction box?

Specification Page 203 1.03B

14. Add No.6: Amend and update panelboard schedules as well as contract area plan drawings.

Specification Page 210 3.04

15.A. If the Electrical Contractor is to install new circuit breakers, then show this symbol on contract drawings and provide a specification section for thermal magnetic circuit breakers.

16.B. NEC requires unused circuits to be removed or grounded.

17.C. Add: "voltage sensing device".

18.E. All modified branch circuits shall be so noted on existing panelboard directories.

Specification Page 213 3.02

19.A. Remove aluminum reference.

Specification Page 216

20.B. Add: 120/208V Phase A/B/C/Neutral & Ground Color Code Black/Red/Blue White & Green. 277/480V Phase A/B/C/Neutral & Ground Color Code Brown/Orange/Yellow Gray and Green.

Specification Section 260511

21. Add: For each branch circuit a 100% sized dedicated neutral must be provided, there are no shared neutrals between branch circuits.

Specification Page 220 1.04

22. Add: D. Provide a computer generated LED light fixture model for horizontal footcandles delivered. Each PPA Garage ground level parking area would be modeled. Provide minimum to maximum footcandle ratios. The computer graphic model should be color coded indicating footcandle gradients. A photometric survey shall be done prior to and upon completion of this project so target footcandles at the parking lot surfaces are demonstrated. See Spec. Pg.223 3.02 B. Define what parameters are required for the final light performance graphics.

Specification Page 221 2.05

23. A. Define fixture efficiency & operating temperature range. 2.04 Add: E. All LED light fixtures shall be secured with a stainless steel catch leash. Define No.14 AWG wire shall be copper only.

24. General Statement: Define average or target horizontal footcandles at paved surface with maximum to minimum footcandle ratio, this is the performance specification the manufacturers have to meet or exceed at the completion of the project.

Specification Page 222 2.06

25. Contract drawings indicate color temperature of 5000K and this section allows for a range. Select one.

Specification Division 26

26. Defined if branch circuit breaker had to be installed. Provide a thermal magnetic circuit breaker 1-pole 600VAC maximum specification section.

MEMORANDUM

CITY OF PHILADELPHIA

TO: Michael J. McCartney, Airport Engineering Manager DATE: 04/08/2016
FROM: Lisa Boyer, DOA Engineering
SUBJECT: Permit #T16-035, PPA
Lighting Replacement 01 – Arrival Road
Permit Review Comments

We have reviewed the aforementioned submission dated 03/21/2016 and have the following comments:

General Comments

1. Provide tenant advisory information for access road and entrance closures.