The Philadelphia Parking Authority
701 Market Street, Suite 5400
Philadelphia, PA 19106

Bid No. 24-17
Electrical Upgrades at Autopark at Fashion District and Autopark at Olde City
Addendum Three

To: See Email Distribution List

From: Shannon Stewart
Manager of Contract Administration

Date: August 1, 2024

No Pages: 3 plus Appendix A

This addendum is issued on August 1, 2024, prior to the bid due date to add, delete, modify, clarify and/or to respond to questions submitted by Prospective Bidders regarding the work included in the above referenced solicitation.

CHANGES TO THE BID DOCUMENT

1. **Bid Due Date: The bid due date has been extended to Wednesday, August 14, 2024.**
2. **Sheet E-600: Sheet E-600 has been revised to show temporary power on the one-line diagram. Refer to Appendix A of this addendum.**

QUESTIONS TO BE ADDRESSED IN ADDENDUM #4

1. Please provide panel schedules for all the new panels to be installed. We cannot get pricing without this information.
2. At Autopark at Olde City, regarding E-205, will the specified Gleon Lighting poles match the currently installed anchor bolts for the existing poles?
3. At Autopark at Fashion District, E-601 shows a grounding plan, will all new grounding system be required on this project, including rebar grounding?
4. At Autopark at Olde City, regarding, E-300, Temp. Generator: please provide a single line diagram how the generator will be connected.
5. At Autopark at Olde City, regarding, E-601 shows a grounding plan, will all new grounding system be required on this project, including rebar grounding?
6. At Autopark at Fashion District, in order to provide accurate bids for the project, please provide single lines of the entire electrical system as currently installed.
7. At Autopark at Olde City, in order to provide accurate bids for the project, please provide single lines of the entire electrical system as currently installed.

QUESTIONS

1. **Question:** Please provide panel schedules for all the new panels to be installed. We cannot get pricing without this information.

   Response: All new panels are replacement panels. Panel schedules will be addressed in Addendum #4.

2. **Question:** Regarding the light fixtures for Autopark at Old City on drawing E:200, what is the correct L3 Fixture quantity? Two (2) L3 fixtures are shown on the drawing, but it is noted that there are four (4) L3s in the fixture schedule.

   Response: The correct quantity is 4 L3 fixtures. The symbol for L3 on the plans is representative of 2 fixtures.

3. **Question:** At Autopark at Fashion District, please provide panel schedules for all panels that are being replaced.

   Response: See response to Question 1.

4. **Question:** At Autopark at Fashion District, regarding, ED-107, Temp. Generator: will the Temp. 150kw generator be used strictly as standby?

   Response: Yes, the intent is for the generator to be standby and used only if utility power goes out.

5. **Question:** At Autopark at Fashion District, regarding, ED-107, Temp. Generator: can we connect to the existing diesel fuel lines?

   Response: There is only a belly tank for the existing generator, so the temporary generator will need its own tank with fuel.

6. **Question:** At Autopark at Fashion District, regarding, ED-207, New Generator: regarding the new Generator specified rating 600kw, 480/277VAC, this will produce 1250amps at 480VAC 3phase & will require 5 Sets of 3" Conduit W/ (4) 400mcm & (1) # 4/0G?

   Response: Engineer's calculation is 900A at 480Y/277V.

7. **Question:** At Autopark at Fashion District, regarding, ED-107, Temp. Generator: Drawing E-600, the Main Switchboard & ATS 3 & 4 are rated only at 400amps. Please clarify the connection of the 600KW Generator at 1250amps 480VAC.

   Response: Generator is rated for 900A. The generator will feed ATS-1 (100A), ATS-3 (400A), ATS-4 (400A) in the main electrical room and ATS-2 (200A) in the elevator machine room.

8. **Question:** At Autopark at Fashion District, what are the time frames that any one panel can be shut down for replacement?

   Response: Any panel that feeds occupied office or retail spaces must be reconnected during off hour work and all power must be restored prior to the start of the next business day. A minimum of 7 calendar days' notice must be provided prior to off hour work and be coordinated with the Authority.

   Off hour work will be limited to disconnection and reconnection of circuits. Conduit and conductor infrastructure work that does not impact power to the facilities must be completed during regular working hours.

9. **Question:** At Autopark at Olde City, please provide panel schedules for all panels that are being replaced.

   Response: See response to Question 1.

10. **Question:** At Autopark at Olde City, regarding, E-300, Temp. Generator: is the Temp. Generator being used to continuously run 24/7 while the existing medium Voltage Switch, 500kva Transformer & Building MDP be replaced?

Response: Yes, that is correct. The intent is for the temporary generator to be the prime power to keep certain elements like the movie theater, lights, and payment system online while the service equipment is replaced.

11. **Question:** At Autopark at Olde City, regarding, E-300, Temp. Generator: If the Temp. Generator is to run 24/7 to power the garage, will the PPA be providing maintenance & fuel supplies?

    Response: The Contractor is responsible for providing maintenance and fuel supplies.

12. **Question:** At Autopark at Olde City, regarding lighting plans, can existing conduits be re-used for all new lighting?

    Response: No, new surface conduit with new conductors must be run through the garage for lights.

13. **Question:** At Autopark at Olde City, regarding E-700 – E-705, who will be responsible for clearing cars & blocking off work areas in the phasing plan??

    Response: Site protection (fencing, barricades etc.) and wayfinding signage is the responsibility of the Contractor to provide. Contractor is to provide a minimum of 7 calendar days' notice to operations indicating the area to be cleared. The Authority will be responsible for the clearing and removal of vehicles in the requested purge area.

14. **Question:** The project is specified for a 365-day duration, please note that we have been experiencing equipment lead times as follows:

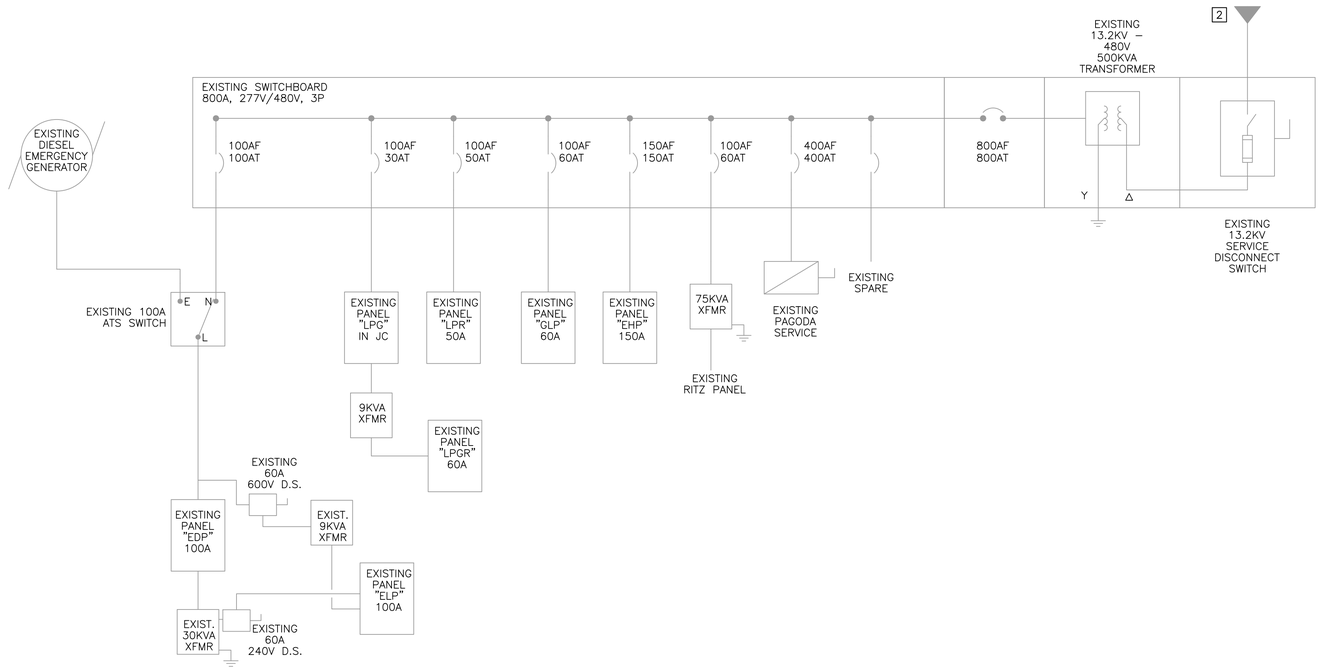
    Panels – 42 weeks after Approval & Release.
    Switchboards - 60 weeks after Approval & Release.
    ATS – 26 weeks after Approval & Release.
    MV Switches – 46 weeks after Approval & Release.
    Generators – 60 weeks after Approval & Release.

    Response: Understood. The expectation is that upon award, long lead items are purchased, and lighting, new conduit, and small panel work be installed. The Authority will work with the Contractor on contract duration. The Authority recognizes that the Contractor may have to mobilize, demobilize, then mobilize again later, this must be reflected in your bid. Include the cost of mobilization in the general conditions bid item but if remobilization is needed, identify that cost along with the other unit costs.

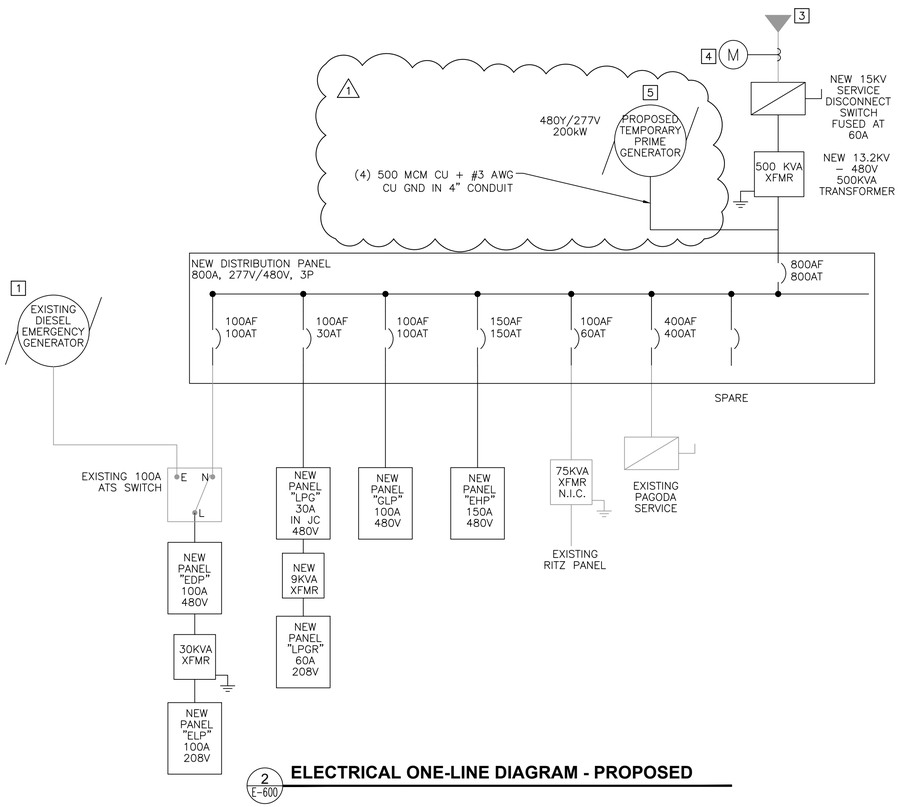
END OF ADDENDUM THREE

Bid No. 24-17 Addendum #3 - Appendix A

Revised Sheet E-600



1 E-600 **ELECTRICAL ONE-LINE DIAGRAM - EXISTING**



2 E-600 **ELECTRICAL ONE-LINE DIAGRAM - PROPOSED**

SHEET NOTES:

1. GENERATOR REPLACED IN 2023 THROUGH A SEPERATE PROJECT
2. COORDINATE SERVICE SHUTDOWN WITH PECO
3. COORDINATE SERVICE ENERGIZATION WITH PECO
4. OBTAIN METER FROM PECO
5. TEMPORARY GENERATOR TO BE PRIME POWER DURING DEMOLITION OF EXISTING SERVICE AND INSTALLATION OF PROPOSED SERVICE EQUIPMENT. CONTRACTOR SHALL COORDINATE WITH PPA 2 WEEKS IN ADVANCE OF UTILITY POWER DISCONNECT AND UTILITY POWER RECONNECT.

1

Panel Schedule

Panelboard "GLP" Location: Existing Main Electrical Room Volts: 480Y/277V Phase: 3 Wire: 4 Hertz: 60
150A MCB Main AIC: SEE NOTE 3 Branch AIC: 42K ENCL. (NEMA): 1 MTG: Surface
100 Amp Frame , Ground Bar, Locking Cover, Panel Card.

Description of Load Served	Breaker Amp	Breaker Pole	Wire	A/Phase A	A/Phase B	A/Phase C	CKT No.	CKT No.	A/Phase A	A/Phase B	A/Phase C	Wire	Breaker Amp	Breaker Pole	Description of Load Served
FIRST FLOOR LTG	**20**	**1**	**12**	**3.6**			**1**	**2**	**5.0**			**12**	**20**	**1**	**SECOND FLOOR LTG**
THIRD FLOOR LTG	**20**	**1**	**12**		**4.4**		**3**	**4**		**4.3**		**12**	**20**	**1**	**FOURTH FLOOR LTG**
FIFTH FLOOR LTG	**20**	**1**	**12**			**3.7**	**5**	**6**			**3.3**	**12**	**20**	**1**	**ROOFTOP LIGHTING**
EXISTING CIRCUIT	EX.	EX.					7	8							SPACE
EXISTING CIRCUIT	EX.	EX.					9	10							SPACE
EXISTING CIRCUIT	EX.	EX.					11	12							SPACE
EXISTING CIRCUIT	EX.	EX.					13	14							SPACE
EXISTING CIRCUIT	EX.	EX.					15	16							SPACE
EXISTING CIRCUIT	EX.	EX.					17	18							SPACE
EXISTING CIRCUIT	EX.	EX.					19	20							SPACE
EXISTING CIRCUIT	EX.	EX.					21	22							SPACE
EXISTING CIRCUIT	EX.	EX.					23	24							SPACE
SPARE	20	1					25	26					20	1	SPARE
SPARE	20	1					27	28							SPACE
SPACE							29	30							SPACE
	Total A/Phase			3.6	4.4	3.7			5.0	4.3	3.3		Total A/Phase		

Notes:
1. Connected KVA (New): 2.9
2. Demand KVA (New): 3.6
3. Match Existing KAIC
4. "EX." INDICATES EXISTING CIRCUIT RELOCATED TO NEW PANEL

Panel Schedule

Panelboard "EDP" Location: Existing Main Electrical Room Volts: 480Y/277V Phase: 3 Wire: 4 Hertz: 60
150A MCB Main AIC: SEE NOTE 3 Branch AIC: 42K ENCL. (NEMA): 1 MTG: Surface
100 Amp Frame , Ground Bar, Locking Cover, Panel Card.

Description of Load Served	Breaker Amp	Breaker Pole	Wire	A/Phase A	A/Phase B	A/Phase C	CKT No.	CKT No.	A/Phase A	A/Phase B	A/Phase C	Wire	Breaker Amp	Breaker Pole	Description of Load Served
FIRST FLOOR EM LTG	**20**	**1**	**12**	**3.3**			**1**	**2**	**5.0**			**12**	**20**	**1**	**SECOND FLOOR EM LTG**
THIRD FLOOR EM LTG	**20**	**1**	**12**		**4.1**		**3**	**4**		**4.1**		**12**	**20**	**1**	**FOURTH FLOOR EM LTG**
FIFTH FLOOR EM LTG	**20**	**1**	**12**			**4.1**	**5**	**6**			**EX.**				
EXISTING CIRCUIT	EX.	EX.					7	8	**EX.**			**6**	**50**	**3**	**30 KVA XFMR**
EXISTING CIRCUIT	EX.	EX.					9	10		**EX.**					
EXISTING CIRCUIT	EX.	EX.					11	12							SPACE
EXISTING CIRCUIT	EX.	EX.					13	14							SPACE
EXISTING CIRCUIT	EX.	EX.					15	16							SPACE
EXISTING CIRCUIT	EX.	EX.					17	18							SPACE
EXISTING CIRCUIT	EX.	EX.					19	20							SPACE
EXISTING CIRCUIT	EX.	EX.					21	22							SPACE
EXISTING CIRCUIT	EX.	EX.					23	24							SPACE
SPARE	20	1					25	26					20	1	SPARE
SPARE	20	1					27	28							SPACE
SPACE							29	30							SPACE
	Total A/Phase			3.3	4.1	4.1			5.0	4.1	0.0		Total A/Phase		

Notes:
1. Connected KVA (New): 2.5
2. Demand KVA (New): 3.1
3. Match Existing KAIC
4. "EX." INDICATES EXISTING CIRCUIT RELOCATED TO NEW PANEL

PANEL SCHEDULE NOTE: CONTRACTOR SHALL PROVIDE NEATLY TYPEWRITTEN PANEL SCHEDULE TO BE DISPLAYED ON THE INSIDE OF THE NEW PANEL DOORS.

No.	REVISIONS	DATE	BY
1	ADDENDUM #3 REVISION	07/29/24	JCS

Kimley»Horn
© 2024 KIMLEY-HORN AND ASSOCIATES, INC.
50 SOUTH 16TH ST. TWO LIBERTY PLACE SUITE 3300
PHILADELPHIA, PA 19102
PHONE: 267-687-0150
WWW.KIMLEY-HORN.COM

LICENSED PROFESSIONAL
COMMONWEALTH OF PENNSYLVANIA
JEFFREY C. SALLEE
ENGINEER
PE092003
04/30/24

KHA PROJECT 112359002
DATE 01/31/2024
SCALE AS SHOWN
DESIGNED BY JCS
DRAWN BY LDH
CHECKED BY LTM

ONE LINE DIAGRAMS AND PANEL SCHEDULES

PPA GARAGE MAINTENANCE REPAIRS - OLD CITY
PREPARED FOR
PHILADELPHIA PARKING AUTHORITY
PHILADELPHIA PENNSYLVANIA

SHEET NUMBER
E-600