RFP No. 16-15 – Mechanical/Electrical Engineering
Two Center City Garages
Addendum One

To: See Email Distribution List

From: Mary Wheeler
Manager of Contract Administration

Date: July 5, 2016

No Pages: 4

This addendum is issued on July 5, 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.

QUESTIONS

1. **Question:** Can we get a better copy of drawings E5 and E6 that are included in the RFP?

   **Response:** Attached are individual PDFs for E5 and E6. This is the best resolution we have.

2. **Question:** The pre-bid meeting included looking at typical fan/blower rooms, are all of the other rooms in each building constructed the same way?

   **Response:** Yes.

3. **Question:** Are there drawings for the 1999 Ventilation System Project for the Independence Mall Parking Garage available?

   **Response:** Yes. They were attached to the original RFP (Drawings M0 through M4, and E5 through E7).

4. **Question:** Can we come to the PPA Office to look at the entire set of plans for the construction of both parking garages and for the 1999 ventilation system upgrade?

   **Response:** For Independence Mall, the original plans are dated 1963 and they are in poor condition. There were renovations in 1988 and 2004. We can make those plans available to the successful proposer. Plans for the 1999 ventilation system upgrade were previously provided (see response Number 3).
For Family Court, we are attempting to assemble a set of drawings for the garage floor plans and sections, ventilation system, CO system, and electrical. The entire set of drawings can be made available to the successful firm.

5. **Question:** Are there procedures in place for operating the parking garages when one of the supply or the exhaust fans is inoperable, are all fans required to meet the required CFM per square foot code requirement?

   **Response:** No Procedures. At Independence Mall, we have had one of the twelve fans out of service without adverse effect. At Family Court, we don’t know what the effect would be to have one out of the four out of service.

6. **Question:** Do all fans and blowers or only selected fans and blowers operate when the parking garages lose utility power and are on emergency power?

   **Response:** At Independence Mall, the fans are on the emergency generator. At Family Court, we don’t know.

7. **Question:** The Independence Mall Ventilation System fan and blower motors are controlled by VFDs that could modulate the motor speed in response to the CO levels in the garage. The CO levels in the garage are monitored by a MSA CO Detection system that can provide a 4-20 ma analog signal to the VFD that is in proportion to the CO Levels. Was this functionality used or do the fans and blower operate a one or two set speeds only?

   **Response:** Two set speeds, on and high.

8. **Question:** Can there be a formal second site visit, sometime next week?

   **Response:** Proposers can revisit the site by making a request and scheduling in advance. Contact Mary Wheeler.

9. **Question:** During the bidding period, can we visit the public areas in the garages on our own to look at equipment that is not within locked rooms?

   **Response:** Proposers can visit the public areas of the garages at any time.

10. **Question:** Were motion detectors connected to the ventilation systems installed in either of the garages?

    **Response:** Not that we are aware of.

11. **Question:** Does “replacement of the ventilation” mean replacing the entire ventilation systems including all fans, blower, motors, motor controllers, CO monitoring system and their controls?

    **Response:** No. We wish to preserve as much of the existing systems equipment as possible if it can be reused. Only replace the minimum amount of equipment necessary in order to achieve the desired functionality.

12. **Question:** Does “modification” mean that the existing fans, blower, motors, motor controllers, CO monitoring system and their controls can be reused with modifications?

    **Response:** Yes.

END OF ADDENDUM ONE
# Riser Diagram for Fan Status and Alarm System

**Scale:** 1/8"=1'-0"  **Drawing No.:** E6-7

<table>
<thead>
<tr>
<th>Level</th>
<th>Fan Status</th>
<th>Pump Status</th>
<th>Carbon Monoxide Monitoring System</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level 1</td>
<td>![Image of Fan Status]</td>
<td>![Image of Pump Status]</td>
<td>![Image of Carbon Monoxide Monitoring System]</td>
</tr>
<tr>
<td>Level 2</td>
<td>![Image of Fan Status]</td>
<td>![Image of Pump Status]</td>
<td>![Image of Carbon Monoxide Monitoring System]</td>
</tr>
<tr>
<td>Level 3</td>
<td>![Image of Fan Status]</td>
<td>![Image of Pump Status]</td>
<td>![Image of Carbon Monoxide Monitoring System]</td>
</tr>
</tbody>
</table>

## Control Panel

**Detail Located in Cashier's Office**

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**Notes:**
- All numbers in the table represent operational status.
- Fan status indicates the number of fans operational.
- Pump status indicates the number of pumps operational.
- Carbon Monoxide monitoring system indicates the level of carbon monoxide detected.

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**EMERGENCY SIGN:**

**Type A:**
- **Scale:** 1/8"=1'-0"
- **Location:**[Image of EMERGENCY SIGN]

**Type B:**
- **Scale:** 1/8"=1'-0"
- **Location:**[Image of EMERGENCY SIGN]