**Clarification Log**

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| **Project Number:** | | **P21137** |
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| **Project Title:** | **Springfield Traffic System Modernization - (Radio System)** | |

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| **Date** | **Question** | **Response** |
| 3/30/22 | Does the subscriber radio need to be grounded? | Yes. A short grounding strap shall be installed between the subscriber radio and the signal pole. Additionally, the base station radios need to be grounded as well, per the manufacturer’s installation instructions.  All components shall be installed per the manufacturer’s instructions. |
| 3/30/22 | How is the Cat5e cable from each subscriber radio routed? | The contractor shall drill a small hole in the signal pole near the radio, and the cable shall run from the radio, through the hole (grommet provided/installed by contractor), and down inside the signal pole. From there, the cable shall run through existing conduit back to the signal cabinet. |
| 3/30/22 | What parts/pieces is the city providing? | See Special Provisions - Section B, paragraph B 1.4 “Scope of Work.” All other miscellaneous/incidental electrical parts shall be supplied by the contractor. |
| 3/30/22 | How many cables run up the tower for the base station radios? | Two Cat5e cables will run from the control room up the tower, and connect to the base station radios (1 Cat5e cable for each radio). |
| 3/30/22 | What is the length of the coaxial cable between the sector antenna and the base station radios? | Approximately 5 feet. |
| 3/30/22 | Who provides guidance on radio alignment? | The City of Springfield has a contract with Siemens to provide design and commissioning services. Siemens will have representatives on site for the setup/commissioning of the Base Station radios as well as the first few subscriber radios to assist with alignment. This will provide guidance to the contractor for the remainder of the system. |
| 3/30/22 | What is the Ethernet to Serial Converter and how is it mounted? | This is a card that will be installed in the 170 controllers by City staff. It does not need to be installed by the contractor. |
| 3/30/22 | Can the bid date be extended? | Yes, the bid date has been extended to 4/7/22 at 2:00 PM. |
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