

# Ohio Department of Transportation

## Prebid Questions

Project No. 090181

Sale Date - 3/18/2009

Question Submitted: 1/2/2009

Question Number: 1

Clarification request of previous pre-bid response of 3/16/09 - Per plan note, Payment of grounding and bonding is "incidental to the cost of (new) conductors installed by the contract". Pre-bid question response (2) indicates "reterminate any existing green conductors as a safety ground". Question 1 - Is the project to include the retermination of all existing signal cables (signals, peds, controllers ) at each intersection in order to conform with the bonding and grounding requirements of new wiring? Question 2 - If so, Due to this being far above and beyond the scope of work for new signal cable, will a pay item and plan note be developed? Question 3 - If so, which intersections will require LEO,s and will apay item be developed?

**Question 1 The intent of the plan is the following must conform to the grounding and bonding note: 1. New conduits and pullboxes 2. New interconnect cable (permissible to use the shield as safety ground if the drain wire is 18ga or larger) 3. new preemption cable and devices (detectors, phase selector boxes, etc.) 4. UPS systems Specifically, the item for relamping a signal does NOT need to include the grounding and bonding requirements; the existing wiring can be used for the new LED lamps as they are installed. Also, any new signal cables can follow the old wiring convention, rather than mixing the old and new wiring convention, which may cause confusion as to the function of the green wire in signal cables. Question 2 - No Question 3 - The use of LEO's is covered in the Maintenance of Traffic Signal Installations plan note on page 4 of the plans.**

Question Submitted: 12/31/2008

Question Number: 2

Clairification of Grounding and Bonding note 1) Is a bonding wire required in all conduits or only conduits that new conductors are installed in. 2) Is the contractor required to reterminate any green conductor used for a vehicular signal or pedestrian signal

**1) Bonding wire will be required only in new conduits 2) The contractor will be required to reterminate any existing green conductors as a safety ground.**

All prospective bidders, subcontractors, suppliers, materialmen and all others who have an interest in these prebid questions and answers are advised that these items are being provided for informational purposes only and are not part of the bidding documents. If a question warrants a clarification, the Department will issue an addenda addressing the request for clarification to all plan holders. If the Department believes that the bidding documents adequately address the request, the contractor will be advised accordingly.