

Ohio Department of Transportation

Prebid Questions

Project No. 070236

Sale Date - 5/16/2007

Question Submitted: 5/11/2007

Question Number: 1

Item 66: Controller Item, Misc.: Uninterruptible Power Supply (UPS), 1000 Watt requires "A minimum of four (4) batteries ... rated at 105 AHrs or approved equal to achieve the (2.5) hour run time requirement." Technically, you could get by with a 65 Ahr battery to meet the 2.5 hour run time. However, this would be at ambient and brand new batteries. This gives no accounting for battery degradation over time or loss of capacity due to temperature. In order to maximize the effective operation of the UPS system during a power outage, please remove the sentence "or approved equal to achieve the (2.5) hour run time requirement" from the specification and require the supplier to provide 4 batteries rated at 105 Ahr with each UPS system.

The note specifies that the batteries must operate in the temperature range of -25 to +74 degrees Celsius, not at ambient temperature, and the batteries must be placed on heater mats to extend the life of the batteries. The plan note in question is a standard note found in the Traffic Engineering Manual and has been successfully used on previous contracts

Question Submitted: 5/14/2007

Question Number: 2

The grounding and bonding requirements for this project require that the material and work required for the installation of the bonding conductor be incidental to the conductors installed as part of this contract. Without a design for the proposed intersections, we cannot determine how to split up this cost. In the case of a bonding wire being included in the cost of a run of a single signal cable, the cost of that particular signal cable would easily double. For the purpose of this bid, we are assuming an average of 5 conductors per conduit. However, we respectfully request that a separate reference number be added for the grounding and bonding conductor.

Your request has been reviewed by the District and by the Office of Traffic and we respectfully decline to add a separate bid item. We do not agree that a single cable run can significantly effect the price or cause it to become too difficult to produce an accurate bid.

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.