

**Ottawa County Engineer's Office**  
**David A. Brunkhorst, P.E., R.S.**  
**Ottawa County Engineer**

315 Madison Street  
Room 106  
Port Clinton, Ohio 43452

Toll Free: (800) 788-8803  
Phone: (419) 734-6777  
Fax: (419) 734-6768

**From:** Ottawa County Engineer's Office  
**To:** All Plan Holders  
**Date:** February 27, 2012  
**RE:** Replacement of Two Bridges over LaCarpe Creek BEN-23-0.28 Benton Carroll Road & SAL-102-1.09 Behlman Road - Addendum No. 2

**General:**

1. Question – Regarding this project, will you allow us to offer an alternative to the specified precast box culverts?
  - Alternatives to the precast box culverts will be allowed as long as the structure is of the same type and dimension. In this case the structure must be a reinforced concrete frame, be considered a “buried structure”, and shall meet the load requirements stated in the plans. Also, since the County intends to request ODOT Credit Bridge Funds for this project, the alternative must be a system that is approved for use by ODOT. Bids providing non-ODOT approved alternatives will be considered non-responsive and therefore disqualified.
2. Clarification from Ottawa County
  - Please note that the contractor / supplier will be required to submit a load rating for each of the culvert systems supplied for this project. The culverts shall be load rated at inventory and operating levels by the AASHTO LRFR method. The load to be used for inventory and operating rating based on LRFR method shall be AASHTO's HL-93 loading (truck & lane or tandem & lane). The rating shall also include load ratings for four Ohio Legal Loads (2F1, 3F1, 4F1, and 5C1) at operating level using the same method of analysis as used for inventory and operating ratings above. The Ohio Legal Load configurations are presented in the ODOT Bridge Design Manual.

**Structure SAL-102-1.09:**

1. Question – The notes on page 1/3 state that Ottawa County will provide and maintain standard barricades and traffic control at this site. Structure BEN-23-0.23 states these items to be provided by the Contractor. Please clarify if this is accurate.
  - The County will require the contractor to provide and maintain standard barriers and necessary traffic control devices for both sites. The cost for these items shall be included in Item 614 – Maintaining Traffic for each structure. Bidders shall disregard the referenced note on sheet 1/3.

If you have any questions regarding this addendum please call the Ottawa County Engineer's Office at 419 734-6777.

Sincerely,

A handwritten signature in black ink, appearing to read "David A. Brunkhorst". The signature is stylized with large, sweeping loops and is positioned centrally on the page.

David A Brunkhorst, PE, RS  
Ottawa County Engineer