

## NON-PROJECT SPECIFIC DESIGN SCOPE OF WORK

The work may include all or parts of the following as defined by the task order description.

- A. **Bridge Design Activities:** The scope of work for bridge design activities may include all or part of the following activities. The activities are defined by the CDOT Bridge Design Manual with any modification as given by the task order description.
  - a. Preliminary design and structure type selection including general layout and detailed cost estimates.
  - b. Prepare foundation investigation requests.
  - c. Final design for various highway structures.
  
- B. **Bridge Detailing Activities:** The scope of work for bridge detailing activities may include all or part of the following activities. The activities are defined by the CDOT Bridge Design Manual and the CDOT Bridge Detailing Manual with any modifications as given by the task order description.
  - a. Furnish detailing services including final plan preparation, bridge geometry, and quantity calculations for various highway structures or portions of highway structures. MicroStation shall be used for drafting.
  - b. Provide independent detail checking and quantity checking of work performed by others.
  - c. Provide bridge field package including quantity calculations in accordance with the CDOT Staff Bridge policy.
  
- C. **Independent Bridge Design Check Activities:** The scope of work for independent design check activities may include all or part of the following activities. These activities are defined in the CDOT Bridge Design Manual and the CDOT Bridge Rating Manual.
  - a. Provide independent design checking (includes bridge load rating), detail checking, and quantity checking of work performed by others.
  - b. Provide bridge field package including quantity calculations in accordance with CDOT Staff Bridge policy.
  
- D. **Existing Bridge Rating Activities:** The scope of work for bridge rating activities may include all or part of the following activities. These activities are defined in the CDOT Bridge Rating Manual with any modifications as given by the task order description.
  - a. Provide the load rating capacity for bridges analyzed using AASHTOWare Virtis and other CDOT rating programs.
  - b. Provide a complete rating package for each bridge including hand calculations, input and output files in accordance with the CDOT Staff Bridge Rating Manual. The rating package shall be checked and signed or initialed throughout as appropriate by the rating checker.
  
- E. **Bridge Special Studies:** The scope of work for bridge special studies may include all or part of the following activities.

- a. Perform design calculations or design check calculations for any CDOT Staff Bridge Policy or Standard.
- b. Perform detailing or detail checking for any CDOT Staff Bridge Policy or Standard.