

Section X. Highway Structures

Area Class: 4.01(a) Minor Bridge Design

Minimum Qualification Requirements

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| <p>Requirements for Prequalification:</p> <p>In order for a firm to become prequalified in this area class, they must meet the following requirements in addition to general requirements found in Sections I thru VI of this manual, and their employees must demonstrate experience in the activities required by this area class.</p> |
| <p>Summary Description of Area Class:</p> <p>This class of work is defined as the production of competently engineered bridge plans for non-complex bridge structures generally using simple or continuous spans of reinforced concrete, pre-stressed concrete, or steel with pile bent foundations or spread footings.</p> |
| <p>Additional Description of Area Class:</p> <p>Bridge plans shall conform to acceptable design standards which meet the specific requirements of the Georgia Department of Transportation, AASHTO and/or the Federal Highway Administration. Bridges in this class are conventional (i.e. one-way slabs or slabs on stringers using precast prestressed concrete, simple or continuous span steel or reinforced concrete deck girders). The foundation types for these bridges are conventional utilizing piles or spread footings. The bridges generally have simple geometrics.</p> |
| <p>Professional Registration, Certification, Education and/or Qualifications:</p> <ul style="list-style-type: none"> • At least two (2) Georgia Professional Engineers with demonstrated experience in the design of highway bridges as provided in this Area Class. • One of the professionals is required to perform independent checks of data, calculations and reports of the other. |
| <p>Required Training:</p> <p>n/a</p> |
| <p>Additional Personnel Requirements:</p> <ul style="list-style-type: none"> • Consultant must have professional and technical support personnel capable of completing work within schedule and budget. |
| <p>Equipment and/or Software Requirements:</p> <p>n/a</p> |

Area Class: 4.01(b) Minor Bridge Design - CONDITIONAL

Minimum Qualification Requirements

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| <p>Requirements for Prequalification:</p> <p>In order for a firm to become prequalified in this area class, they must meet the following requirements in addition to general requirements found in Sections I thru VI of this manual, and their employees must demonstrate experience in the activities required by this area class.</p> |
| <p>Summary Description of Area Class:</p> <p>This class of work is defined as the production of competently engineered bridge plans for non-complex bridge structures generally using simple or continuous spans of reinforced concrete, pre-stressed concrete, or steel with pile bent foundations or spread footings.</p> |
| <p>Additional Description of Area Class:</p> <p>Bridge plans shall conform to acceptable design standards which meet the specific requirements of the Georgia Department of Transportation, AASHTO and/or the Federal Highway Administration. Bridges in this class are conventional (i.e. one-way slabs or slabs on stringers using precast prestressed concrete, simple or continuous span steel or reinforced concrete deck girders). The foundation types for these bridges are conventional utilizing piles or spread footings. The bridges generally have simple geometrics.</p> |
| <p>Professional Registration, Certification, Education and/or Qualifications:</p> <ul style="list-style-type: none"> • At least one (1) Georgia Professional Engineer with demonstrated experience in the design of highway bridges as provided in this Area Class. • One additional professional is required to perform independent checks of data, calculations and reports. This professional shall be from a firm prequalified with the Department in either Area Class 4.01(a) Minor Bridge Design or 4.01(b) Minor Bridge Design - CONDITIONAL. All documents reviewed shall be signed, dated and marked with Georgia professional engineer license number. |
| <p>Required Training:</p> <p>n/a</p> |
| <p>Additional Personnel Requirements:</p> <ul style="list-style-type: none"> • Consultant must have professional and technical support personnel capable of completing work within schedule and budget. |
| <p>Equipment and/or Software Requirements:</p> <p>n/a</p> |