

## MINIMUM PERSONNEL REQUIREMENTS

The following requirements must be met by the Prime-Consultant at the time of submittal:

1. At least one Principal of the Prime-Consultant must be a Professional Civil Engineer Registered in the State of Louisiana.
2. The Prime-Consultant must employ on a full-time basis, four Professional Civil Engineers registered in the State of Louisiana.
3. The Prime-Consultant must employ on a full-time basis a minimum of seven of the 16 following inspectors. All inspectors must inspect appropriate corresponding activities. A construction inspector can be substituted for a Certified Inspector when a required certification is held by another inspector with multiple certifications.
  - a) Four DOTD Certified Structural Concrete Inspectors with a minimum of five years of inspection experience in construction of roads and bridges.
  - b) One DOTD Certified Asphalt Paving Inspector with a minimum of five years of inspection experience in construction of roads and bridges.
  - c) One DOTD Certified Embankment and Base Course Inspector with a minimum of five years of inspection experience in road and bridge construction.
  - d) One Asphalt Plant Inspector with a minimum of five years of inspection experience in Asphalt Plants.
  - e) Six construction inspectors.
  - f) One Casting Yard Technician with an American Segmental Bridge Institute (ASBI) Grouting Technician Certification with experience in casting operations of precast segmental bridges that use the match casting method, post-tensioning and grouting of precast segments, and overseeing the CE&I of precast segments over the last five years.
  - g) One Geometry Control Technician with the experience in surveying and geometry control methods used in the construction of precast segmental box girder bridges built using the match-casting method and performing geometry control verifications on precast segments.
  - h) One Casting Technician with ASBI Grouting Technician Certification with experience in construction of precast segmental box girder bridges using the match-casting method and inspections related to the placement of reinforcement, post-tensioning systems, form inspections, geometry control, concrete placement, post-tensioning and grouting.
4. In addition to the above requirements, the Prime-Consultant must employ on a full-time basis, or through the use of a Sub-Consultant(s):
  - a) One Professional Civil Engineer registered in the State of Louisiana with at least ten years of CE&I experience with precast concrete segmental projects over major waterways, as a Resident Engineer.
  - b) One Professional Civil Engineer registered in the State of Louisiana with at least five years of CE&I experience with precast concrete segmental projects over water, as an Assistant Resident Engineer.

- c) One Erection Engineer possessing a Bachelor of Science in Civil Engineering or Construction Technology with ASBI Grouting Technician Certification with experience in performing inspections related to on-site superstructure erection operations (concrete beam and precast concrete segmental), post-tensioning, grouting, geometry control verification surveys of precast box girder segmental and concrete beam bridges, and inspections related to the placement of reinforced, post-tensioning systems, form inspections, and concrete placement.
- d) One Electrical Engineer registered in the State of Louisiana with a minimum of four years of professional level experience with power and control systems.**
- e) Two Electricians with Certification of the National Electric Code (Latest edition) with a minimum of four years of experience in government, industrial, and commercial installations. At least one of the electricians must have experience as a communications/ITS Inspector and have inspection experience of fiber communications and RF devices.**
- f) Other nine remaining inspectors required under Item 3.