

GENERAL

All design aspects of preliminary engineering shall be in accordance with the most current editions of all applicable AASHTO, Federal Highway Administration (FHWA) and VDOT references including (but not limited to) the following : AASHTO's "A Policy on Geometric Design of Highways and Streets", AASHTO's "Roadside Design Guide, AASHTO's "A Policy on Design Standards Interstate System", the Manual on Uniform Traffic Control Devices, the Virginia Supplement to the Manual on Uniform Traffic Control Devices, VDOT's Road Design Manual, VDOT's Road and Bridge Standards, VDOT's Road and Bridge Specifications, VDOT's Drainage Manual, VDOT's Survey Manual and VDOT's Traffic Engineering Design Manual and the Virginia Work Area Protection Manual.

The current SAFETEA-LU Program Efficiencies Agreement (FHWA/VDOT Efficiencies Agreement) shall be followed on all projects. A copy of this agreement should be provided by VDOT to the Design-Builder.

PROJECT MANAGEMENT - PM-D and PM-IPD

The PM-D is responsible for coordinating the plan development process and the preliminary engineering efforts necessary to develop solicitation documents, scope of work, cost estimates, RFP technical requirements and the RFP Information Package content. It is essential that an individual in this role has extensive familiarity with Design-Build concepts, preliminary plan development, the public involvement process, and coordination with the NEPA process.

The PM-D must work with the PM-IPD to coordinate preliminary engineering efforts with the overall procurement schedule. Due to the expedited nature of the Design-Build project delivery process, additional coordination efforts may be required concurrently to ensure the project can be delivered in accordance with expedited timelines.

Prior to RFQ Advertisement, the PM-D shall work with the DDT to develop the Project Cost Estimating System (PCES) estimate. Prior to RFP Advertisement and to the extent possible considering the preliminary nature of the Design-Build candidate project, a Major Items detailed estimate should be developed. Both estimates shall be based on information found within the plan design and are preliminary in nature.

The PM-IPD is responsible for the development of procurement documents and synthesis of information into a complete and comprehensive package for bidding purposes. The PM-IPD shall ensure the procurement schedule is maintained, provide guidance on Design-Build related costs to be included in the estimates, ensure the requisite procurement meetings are scheduled and delivered, and work with Central Office Programming and Scheduling and Contract Division to ensure the authorization of funding and timely notification of FHWA with respect to advertisement process.