3.8.7 Insertable Sheets

A plan sheet detail that contains standard drawings, which graphically provide directions, provisions, and requirements that are necessary for the proper fulfillment of the contract. Insertable sheets cannot be modified and are inserted into the detail section of the plan set. An Insertable Sheet is a standard drawing that has been adopted by VDOT and is either not included in the VDOT Road and Bridge Standards or modifies a standard within the VDOT Road and Bridge Standards.

3.8.8 Virginia Work Area Protection Manual

A document that contains standards and guidelines to promote uniform traffic control during construction, special events and incident management. The Virginia Work Area Protection Manual is available online at:

http://www.virginiadot.org/business/trafficeng-WZS.asp

3.9   PROJECT ESTIMATES AND TRNS-PORT

Throughout the design process, from the Scoping phase to Project Advertisement, project estimates are to be developed and continually updated to reflect estimated costs for construction. When substantial increases or decreases in construction cost estimates occur, documentation identifying the basis for the change in costs will need to be provided to the project manager at the Project Development Process milestone meeting.

Detailed information is not available to perform accurate construction estimates, during the Scoping phase. Use of the cost estimating system (CES) may be employed to address traffic engineering related costs for traffic signals. Other traffic related costs for lighting, signing, and pavement marking or markers will have to be estimated based on the scope and limits of construction.

Construction cost estimates developed after the Scoping phase will be based on a level of design commensurate with the maturity of the overall design. The development of the TCDs at conceptual design, preliminary design, final design and for the construction plan set must be developed to a level that will permit reasonable estimation of construction costs for the TCDs.

TRNS-PORT is an AASHTO's integrated software system that is being used by VDOT and other State Highway Agencies to support highway construction management activities.

TRNS-PORT modules can be used for managing bid letting, bid analysis, and award determination. Also, after the award of the contract, TRNS-PORT can manage each of the activities in a permanent database. This database can be used for bid evaluation and review, collusion detection, project cost estimation, and general management studies. The TRNS-PORT system supports the project during design, (when an estimate needs to be produced), through project completion.