

EFLHD SUPPLEMENT 9.6.8.4.3-1

9.6.8.4.3 Class A Construction Cost Estimate

The purpose of this Supplement is to instruct the designer on the addition of contingencies to the Class A construction cost estimates.

Delete the Subsection and substitute the following:

The Class A construction cost estimate (Engineer's Estimate) is a listing of all items of work in the contract, showing quantity, unit of measurement, unit cost and total cost of each. The total amount of all items of work, including appropriate incentive payments, makes up the construction estimate. Contingencies, construction engineering, project agreement costs and other costs added to the construction estimate makes up the program amount. A Class A construction cost estimate is usually provided by EFLHD highway design at all stages of design (the scoping, the preliminary design (15 - 30 percent), the plan-in-hand (70 percent) design phase, the pre-final (95 percent) design phase, and the final (99 - 100 percent) design phases). The unit prices are verified and updated at each design phase.

When a contract is financed by multiple funds, and expenditure of a fund is limited to a particular section, a separate estimate, summary sheet and bid schedule are necessary for each section. When a contract is financed by more than one type of fund, but expenditures are not limited to a particular section, only one bid schedule is necessary, supported by a combined estimate and summary sheet.

For the scoping estimate, typically a 20 percent contingency should be added to the overall construction cost estimate. For the preliminary design (15 – 30 percent) phase of development, typically a 15 percent contingency should be added to the overall construction cost estimate. For the plan-in-hand (70 percent) phase of development, typically a 10 percent contingency should be added to the overall construction cost estimate. For the pre-final (95 percent) phase of development, typically a 5 percent contingency should be added to the overall construction cost estimate. For final (99 - 100 percent) phase of development all pay items, quantities, and any pay items incentives should be known and specified, and no separate contingency amount is included for the final estimate. An allowance may be included within the tabulations of individual bid item quantities listed on the plans to address approximated quantities potentially needed to fit the project site conditions. Retain confidentiality of the unit price analysis and construction cost estimate at all times to maintain the integrity of the bidding and procurement process.