


TO: MODIFIED BY EI 76-069 EFFECTIVE 11/1/1976 Director, Preliminary Plan Review Bureau SUPERSEDED BY EI 94-014 EFFECTIVE 10/20/1994	<h1>ENGINEERING INSTRUCTION</h1> <p>NEW YORK STATE DEPARTMENT OF TRANSPORTATION</p>
Distribution: <input checked="" type="checkbox"/> Main Office <input checked="" type="checkbox"/> Regions <input type="checkbox"/> Special	SUBJECT: OPTIONAL ITEMS IN THE ENGINEERS ESTIMATE Subject Code: 7.27-1
APPROVED:  Deputy Chief Engineer, Facilities Design Subdivision	Code: <u>EI 76-68</u> Date: <u>11/1/76</u> Supersedes:

When a Design Engineer elects to allow Contractor's options, he must conform to the following rules:

1. In the Engineer's Estimate he must show both items of work. He must also check to see if any optional items require other items of work and list each of them. Example: aluminum pipe would require aluminum end sections and steel pipe steel end sections.
2. He must place one set of the optional items equal to zero price in the estimate so the computer does not extend both options and produce the wrong total for the estimate. Example: In the aluminum pipe-steel pipe option he should enter zero price for the steel pipe and the steel end sections.
3. He must be sure that the total quantity of each set of the optional items describes equivalent work. Example: If he specifies 502 linear feet of aluminum pipe he must specify 502 linear feet of steel pipe. Most of the time the quantities for the associated items, such as end sections with pipe, will be the same for each option and he will set them equal in quantity. However, there will be exemptions to this rule. In the optional cribbing items substantial differences exist in the quantities for excavation and backfill for each type of cribwall and these associated items, even though they must be included in the estimate and one option set to zero price, will not be equal in their respective quantities.
4. If the quantities are different it is obvious that a different price must be used to give the same total estimate. Since the engineer's estimate must include a zero price for one set of the items the price must be included elsewhere in the PS & E. A sheet showing all prices and quantities for optional items is to be included in the price analysis.
5. A note for the proposal must be prepared and submitted as part of the proposal. This note shall explain the options. The following is a sample note which was prepared for the option of steel and aluminum pipe:

"OPTIONAL BIDS--STEEL AND ALUMINUM PIPE

The bidder's attention is directed to the options between aluminum and steel pipe to be bid in the proposal. A bid shall be submitted for only one of each

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pair of options. Any single run of pipe shall consist wholly of either aluminum or steel together with an end section of the same material where applicable."

The Final Plan Review Bureau will prepare the proposal. When they show the items in the proposal, each item will be accompanied with its associated items so the Contractor will bid on only one set of these items and not mix items from the sets of options.

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