

Memo

New Mexico Department of Transportation

SUBJECT: Infrastructure Design Directive
IDD-2007-02 (Lump Sum Pricing)

DATE: 30-November-2007

TO: Infrastructure Division
Transportation Design Community

FROM: Max Valerio, Chief Engineer
Office of Infrastructure Divisions

FILE REFERENCE:
PSESHARE:Design Directives

The following information on lump sum items is provided as an aid in establishing a consistent baseline cost for these items statewide. The Project Development Engineer ("PDE") must adjust this baseline pricing to conform to project location, quantity, difficulty in performing the work and any historical information deemed necessary to reflect the market price of bid items. With few exceptions, such as pricing for Reflectorized Painted Markings, unit bid prices to the hundredth place should not be established.

The following factors are recommended to establish a **baseline** for the Lump Sum items.

201000-Clearing and Grubbing

- 1% of Project Total (Check actual terrain and ground cover for adjustments.)

304800-BC/Subbase Testing by Contractor

- 40%-50% of Total Tonnage for Base Course Aggregate (i.e. 10,000 Tons of Base Course, Price for Testing Item \$4,000-\$5,000)

422500-PMBP Sampling and Testing by Contractor

- 33%-50% of Total Tonnage for PMBP Aggregate (i.e. 10,000 Tons of PMBP, Price for Testing Item \$3,300-\$5,000)

601000-Removals of Structures & Obstructions

- 1%-5% of Project Total
- Compare the above cost to actual list of Removals at 1/2 the installation costs.

613000-Cleaning Culverts and Drainage Structures

- 0.2%-0.7% of Project Total
- \$5,000 Minimum

618000-Traffic Control Management

- 1%-5% of Project Total for Typical Highway Projects
- Up to 10% of Project Total for Urban Projects
- \$5000 (Minimum) + (1%-2% of Project Total) for Miscellaneous Construction projects, i.e. Fencing, Stockpiling, etc. Projects. All major items of the traffic control plans shall be itemized in the project bid documents. Sufficient detail and construction phasing shall be included in all plans to allow the designer and contractor to gain a clear understanding of the traffic control requirements for a specific project.

621000-Mobilization

- 10% of Project Total (Establish pricing for all other items, before pricing this item.) The majority of the projects will be in the 10% price range for this item. Sufficient discussion during the constructability review of a project should be held to determine the most accurate mobilization cost for the project.

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702800-Traffic Control Plan

- 2%-5% of Project Total

The pricing for Item No. 702810 – Traffic Control Devices for Construction and 702801-Traffic Control During Construction will be established by the items and quantities indicated on the plans.

801000-Construction Staking by Contractor

- 1%-5% of Project Total
- Compare to \$5,000 Minimum + \$10,000/Mile. Terrain, amount of traffic, and phasing should be considered when pricing this item.

901000-Contractor Process Quality Control

- 50% of Total Tonnage for Base Course Aggregate (i.e. 10,000 Tons of Base Course, Price for Testing Item \$4,000-\$5,000) + 50% of Total Tonnage for PMBP Aggregate (i.e. 10,000 Tons of PMBP, Price for Testing Item \$3,300-\$5,000)
- Round up pricing to the nearest thousand dollars.

It is noted that the Project Total indicated above is defined as the total for all items in the Engineer's Opinion of Probable Cost (EOPC) but does not include the standard 8% Engineering & Contingencies ("E&C") or Gross Receipts Tax ("GRT").

The above factors may be updated in the future as market trends suggest. Updates will be sent out as available.

The P. S. & E. Bureau will review the EOPC submitted for advertising. If the EOPC reflects statewide Average Unit Bid (AUB) prices and if it appears that the above instructions have not been used, the cost estimates will be returned to the appropriate PDE for re-pricing.

It is the responsibility of the PDE to adjust the pricing based on project location, quantity, difficulty in performing the work and any historical information deemed necessary to reflect the market price of bid items.

The accuracy of the EOPC is crucial to the planning, funding and the awarding of highway construction projects.

General Office staff is to utilize the \\aspen\pseshare drive to access the Directive. District and Regional Office staff can access the Directive utilizing the appropriate District drive as indicated below:

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District 6	\\d6flsv06\d6_users\pse_section

In addition, the Directive will reside in the Department's external website. The web address is:

<http://www.nmshtd.state.nm.us>

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