



SUBJECT: Infrastructure Design Directive
IDD-2018-29
Estimates & Lump Sum Pricing Guidelines

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TO: Office of Infrastructure Divisions
District Offices
Transportation Design Community

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FILE REFERENCE:
PSESHARE:Design Directives

The following IDD shall be used to ensure consistency in the development of all projects to be let by NMDOT in relation to provide guidelines to follow in preparation of the Engineer's Opinion of Probable Cost (EOPC) consistent with the latest baseline cost information for these pay items statewide.

The Project Development Engineer (PDE) must adjust the 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. Unit bid prices for these items should be rounded up to the nearest reasonable precision for estimating purposes.

The PDE must assure that every project and file contains a documented basis with assumptions for every lump sum estimated price in the EOPC.

The following percentage ranges are recommended for purposes of establishing a **baseline** for these Lump Sum items.

201000 – Clearing and Grubbing

- 0.5% - 1.0% of Project Total (Check actual terrain and ground cover as well as anticipated width of clearing required for adjustments)
 - For rough terrain current data trends indicate prices are the order of \$15k per mile
 - For lighter clearing current data trends indicate prices on the order of \$5k per mile

601000 – Removals of Structures and Obstructions

- Tabulate cost using actual list of removals based upon the removal items summary at approximately ½ of the estimated installation costs of those items. (Approximate costs are available from P.S.&E. Bureau DQA Shared Folder)

618000 – Traffic Control Management

- 1.0% - 3.0% of project cost for typical rural highway projects
 - The Traffic Control Management item for simple rural 'Transportation Management Plans' typically are bid at approximately 1.0% of total cost
 - The Traffic Control Management item for more complicated 'Transportation Management Plans' for rural projects often are bid higher up to approximately 3.0% of total project cost

- The Traffic Control Management item for simple 'Transportation Management Plans' for urban projects with intensive traffic conditions with many phases are bid higher up to approximately 5.0% and occasionally up to 8.0% of total project cost; These must be discussed with the project managers and District Traffic Engineers during project development in order to make an informed estimate
- \$5,000 (minimum) + (1% - 2% of project total) or miscellaneous construction projects, i.e. Fencing, Stockpiling, etc. projects.

In accordance with Design directive IDD-2009-02 date March 12, 2002, the 'Suggested Sequence of Construction' shall be included and shall include sufficient detail and construction phasing to convey a clear understanding of the traffic control requirements for a specific project. This must be reviewed when establishing the lump sum pricing for this item.

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 as described in Section 621 of the Standard Specifications. Sufficient discussion during the inspections and reviews of a project should be held to determine the most accurate mobilization cost for the project.

702810 – Traffic Control Devices for Construction

- 1.0% - 3.0% of project total for typical rural highway projects
 - Lump Sum Traffic Control Devices for simple rural 'Transportation Management Plans' typically are bid at approximately 1.0%
 - Lump Sum Traffic Control Devices for more complicated 'Transportation Management Plans' for rural projects often are bid higher up to approximately 3.0%
- Lump Sum Traffic Control Devices for 'Transportation Management Plans' for urban projects with intensive traffic conditions with many phases are bid higher up to approximately 5.0% and occasionally up to 8.0% of total project cost. These must be discussed with the project managers and District Traffic Engineers during project development in order to make an informed estimate.

702800 – Traffic Control Plan

- \$5,000 (minimum) + (1% - 2% of project total) for item 702800 Traffic Control Plan. This item shall only be called for on miscellaneous construction projects, i.e. Fencing, Stockpiling, etc. requiring minimal traffic interruption.

All major traffic control devices (high cost items, i.e. changeable message boards, concrete wall barrier, impact attenuators, detour pavement) of the 'Transportation Management' interim construction traffic control plans shall be itemized and paid for separately in the project bid documents.

In accordance with Design Directive IDD-2009-02 the 'Suggested Sequence of Construction' shall be included and shall include sufficient detail and construction phasing to convey a clear understanding of the traffic control requirements for a specific project. This should be reviewed and considered when establishing the lump sum pricing for this item.

801000 – Construction Staking by Contractor

- Historical data indicates that 1% - 3% of the project total is a typical cost for this work, however actual staking required for the work involved should be considered.
 - Simple construction projects with minimal new construction staking required should be estimated on the low end (approx. \$5,000 to \$10,000 per mile).