



INDIANA DEPARTMENT OF TRANSPORTATION

Driving Indiana's Economic Growth

Design Memorandum No. 10-30 Technical Advisory

December 6, 2010

TO: All Design, Operations, and District Personnel, and Consultants

FROM: /s/ Richard L. VanCleave
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Highway Design and Technical Support Division

SUBJECT: Inputting Data for Cost Estimate

REVISES: *Indiana Design Manual Section 20-2.01*

SUPERSEDES: Design Memorandum 05-27 Technical Advisory

EFFECTIVE: December 15, 2010

All construction-cost estimates submitted on or after December 15, 2010 must be submitted via the CES Cost Estimating System software.

All consultant-designed-project-metrics information formerly submitted on the Consultant Project Input Form should now be entered directly into CES. The following project metrics should be submitted.

1. Latitude and Longitude. This information should be taken from the SPMS project schedule. If it is not shown there, the designer or estimator should determine the location of the midpoint of the project in degrees, minutes, and seconds. This data should be entered without units symbols. For example, 89° 59' 34'' should be entered as 895934. This information is entered on the General tab, second page. Latitude or longitude information that is already present must be verified.

- a. For a project that includes work on more than one route, the latitude and longitude should be entered for the point closest to the geographic center of all work.
 - b. For a district- or subdistrict-wide contract, the latitude and longitude should be entered for the district or subdistrict office.
2. Project Length, Pavement Width and Depth, and Lane Miles (Kilometers). This information should be entered on the General tab, first page, at the bottom left, in the block titled Metrics. English units should be used for an english-units project. Metric units should be used for a metric-units project. Each entry should be rounded to two decimal places, as appropriate.
- a. The project length is the overall length of pavement, entered in miles (kilometers).
 - b. The pavement width is the total width of new mainline pavement, excluding paved shoulders, entered in feet (meters)
 - c. The pavement depth is the average depth of new mainline pavement, excluding paved shoulders, entered in inches (millimeters).
 - d. Lane miles (kilometers) is the project length times the number of through travel lanes, excluding shoulders, entered in miles (kilometers).

The Consultant Project Input Form, Excel file 0527-inf.xls, previously used to submit the information described above in using the Estimator[®] project-estimation software, will no longer be required.

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