

SUPPLEMENTAL SPECIFICATIONS
INDIANA DEPARTMENT OF TRANSPORTATION
1999 STANDARD SPECIFICATIONS

March 1, 2005

REVISION TO 1999 STANDARD SPECIFICATIONS GENERAL NOTES

GENERAL NOTES, PAGE 7, DELETE AND INSERT AS FOLLOWS:

8. ~~The~~ *For calculation of results, avoid rounding of intermediate quantities. For reporting results, the rule for addition and subtraction is that the answer shall contain no significant digits farther to the right than occur in the least precise number. The rule for multiplication and division is that the product or quotient shall contain no more significant digits than are contained in the number with the fewest significant digits used in the multiplication.*

GENERAL NOTES, PAGE 8, DELETE AND INSERT AS FOLLOWS:

9. ~~When a figure is to be rounded to fewer digits than the total number available, the procedure should be as follows: a. When the first digit discarded is less than 5, the last digit retained should not be changed. For example, 3.46325, if rounded to four digits, would be 3.463; if rounded to three digits, 3.46. b. When the first digit discarded is greater than 5, or if it is a 5 followed by at least one digit other than 0, the last digit retained should be increased by one unit. For example, 8.37652, if rounded to four digits, would be 8.377; if rounded to three digits, 8.38. c. When the first digit discarded is exactly 5 followed by zeros, the last digit retained should be rounded upward if it is an odd number, but no adjustment made if it is an even number. For example, 4.365 when rounded to three digits, becomes 4.36. The number 4.355 would also round to the same value, 4.36, if rounded to three digits. When a figure is to be rounded to fewer digits than the total number available, the standard "5" up procedures should be used as follows:~~

- (a) When the first digit discarded is less than 5, the last digit retained should not be changed. For example, 3.46325, if rounded to three digits, would be 3.463; if rounded to two digits, would be 3.46.*
- (b) When the first digit discarded is 5 or greater, the last digit retained should be increased by one unit. For example, 8.37652, if rounded to three digits, would be 8.377; if rounded to two digits would be 8.38.*