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September 11, 1995

INSTRUCTIONAL BULLETIN 95-11

SUBJECT: Degrees of Accuracy for Estimated Quantities for Metric Projects

EFFECTIVE DATE: September 26, 1995

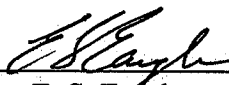
SUPERSEDES: None

RE: Degrees of Accuracy for Estimated Quantities (metric)

Please comply with the attached showing the degrees of accuracy for estimated quantities placed on metric plans. The rounding should only take place when determining the total quantity for an item.

Thank you for your continued cooperation.

APPROVED: _____


E. S. Eargle
Road Design Engineer

Attachments

DEGREES OF ACCURACY FOR ESTIMATED QUANTITIES (METRIC)

| <u>ITEM</u> | | <u>ROUND FINAL ANSWER TO THE FOLLOWING</u> |
|--|-----------------|--|
| Aggregate underdrain | | 1 m ³ or m |
| Asphalt Cement | | 1 t |
| Asphalt Concrete | | 1 t |
| Barricade | | 0.1 m |
| Bituminous surface | | 1 m ² |
| Clearing and grubbing ditches | minimum 0.25 ha | 0.1 ha |
| Clearing and grubbing pits | minimum 0.25 ha | 0.1 ha |
| Concrete (pavements, driveways and sidewalks, medians) | | 1 m ² |
| Concrete (structural) | | 0.1 m ³ |
| Concrete Barrier (Temp. or Perm.) | | 1 m |
| Concrete for structures (roadway) | | 0.1 m ³ |
| Curb or curb and gutter | | 1 m |
| Drainage pipe -Diameter(all) | | 1 mm |
| Drainage pipe -Length(all) | increments of | 1.2 m |
| End Areas (cross sections) | | 0.1 m ² |
| Excavation (all types) | | 1 m ³ |
| Extra Depth of Box | | 0.1 m |
| Fencing | | 1 m |
| Fertilizer | | 0.01 t |
| Geotextile or Filter Fabric | | 1 m ² |
| Graded Aggregate Base Course | | 1 m ² |
| Guardrail | increments of | 1.905 m |
| Lime | | 0.01 t |
| Maintenance Stone | | 1 t |
| Masonry (all) | | 0.1 m ³ |
| Mowing | | 1 m ² |
| Nitrogen (actual) | | 1 kg |
| Overhaul | | 1 m ³ /km |
| Pavement Markings | | 1 m |
| Permanent Construction Signs | | 0.1 m ² |
| Portland cement | | 1 kg |
| Precast concrete riser | increments of | 0.4 m |
| Removal and disposal of existing pavement | | 1 m ² |
| Reset Fence (including Chain Link Fence) | | 1 m |
| Riprap (all) | | 1 t |
| Sand Clay Base Course | | 1 m ² |
| Scarifying and mixing | | 1 m ² |
| Seeding | | 1 m ² |
| Silt Fence | | 1 m |
| Sodding | | 1 m ² |
| Steel (reinforcing) | | 1 kg |
| Timber (all) | | 0.01 m ³ |
| Volumes (cross sections) | | 1 m ³ |

Note!

R/W obtains m² (S.F.) and ha (Acres)

R/W remains ha unless equal to or less than 0.1 ha (Acres) then in m² (S.F.)