


To: <p style="text-align: center;">SUPERSEDED BY EB 02-046 EFFECTIVE 9/3/02</p>		ENGINEERING INSTRUCTION <i>New York State Department of Transportation</i>	94-036 Supersedes: EI94-016
Title: <p style="text-align: center;">METRICATION OF RIGHT-OF-WAY MAPS</p>			
Distribution: <input checked="" type="checkbox"/> Main Office(30) <input type="checkbox"/> Local Gov.(31) <input checked="" type="checkbox"/> Regions(32) <input type="checkbox"/> Contractors/AGC(39) <input checked="" type="checkbox"/> Consultants(34) <input type="checkbox"/> _____ ()	Approved: <i>P.J. Clark</i> 9/21/94 <i>R.J. Morris</i> 9/21/94 P.J. Clark, Fac. Des. Div. Date R.J. Morris, Real Est. Div.		

Effective October 1, 1994, NYSDOT will refine its transition of right-of-way maps from English to SI (metric) units.

This transition applies to:

- All ROW maps produced by DOT mapping units.
- All ROW maps produced for NYSDOT by design or surveying consultants.
- All types of DOT right-of-way maps created as a final product.

The Facilities Design Division's Interim Guide to Metric Design, dated December 9, 1993, will guide our conversion to SI units.

The choice of a system of units for ROW mapping on a given project will follow the system specified for the project's contract plans. If the contract plans for a given project are being prepared in English units, prepare the ROW maps with English units only. If the contract plans are being prepared in SI units, prepare the ROW maps in SI units with equivalent English units shown for parcel dimensions and areas. Generally, projects scheduled for letting after September 30, 1996, will be SI (metric) projects, i.e., the contract plans will show SI units.

Traditional configuration:

- Contract plans show only English units.
- Graphic portions of ROW maps show only English units.
- Description portions of ROW maps recite only English units.

New SI configuration:

- Contract plans show only SI units.
- Graphic portions of ROW maps show SI units and English equivalents for dimensions and areas of land parcels.
- Description portions of ROW maps recite SI units for all parcel dimensions and areas.
- All other distances and stationing shown in SI units.
- ROW maps include a note showing the SI/English conversion factors for lineal and areal units.

On the graphic portion of ROW maps, English equivalent values may be shown in a separate box labelled "For Information Only"; they may be shown on the map adjacent to the metric values; or both presentations may be used.

For all specified SI values, place the equivalent English values in parentheses (except within an information box) adjacent to the SI values. Show units for both.

Abstract Request Maps (ARM) and advance right of way plans are not affected under this EI. Use the most expeditious system. Many regions use other mapping materials, such as existing tax maps, as base maps for ARMs. Economy and efficiency dictate that an ARM based on other existing maps should follow the original system of units of the base map. Final right of way plans will use the same units as the contract plans.

Guidance on the final transition from SI/English to SI only ROW mapping will await an analysis of the reaction of the Department's customers to metric units on ROW maps.

Address questions on this EI to the DOT regional Senior Land Surveyor.