

# Abstract

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### **Strategic Municipal Mapping: Choosing the Right Foundation for ArcGIS Projects**

**Track:** Cartography and Map Production

**Author(s):** Kevin Zelinsky, Mary Johnson

When building a house, the builder begins with a strong foundation. When building a municipal GIS, the cartographer begins with an accurate base map. Just as the foundation determines how well the house will stand, the base map will determine how functional the municipal GIS will be. There are a variety of base maps readily available, and this paper will explore the municipal GIS applications best suited to many. Tax maps, MOD IV parcel data, and ArcGIS are presented as the ultimate combination for utility infrastructure, emergency address location, law enforcement, environmental and municipal land use applications.

#### **Kevin Zelinsky**

Remington & Vernick Engineers

Drafting/CADD/GIS

232 Kings Highway East

Haddonfield , NJ 08033-1907

USA

**Phone:** 856-795-9595

**Fax:** 856-795-1882

**E-mail:** [Kevin\\_Zelinsky@rve.com](mailto:Kevin_Zelinsky@rve.com)

#### **Mary Johnson**

Remington & Vernick Engineers

Technical Writing

232 Kings Highway East

Haddonfield 08033-1907

USA

**Phone:** 856-795-9595

**Fax:** 856-795-1882

**E-mail:** [Mary\\_Johnson@rve.com](mailto:Mary_Johnson@rve.com)