

### Project Highlights

- RA provided GIS centric vehicle tracking solution.

### Services Provided

- GIS
- GPS/AVL
- SQL Programming
- Vehicle Reporting
- Training
- Geofencing
- Alerting

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### CONTACT:

**RA Consultants, LLC**  
 10856 Kenwood Rd.  
 Cincinnati, OH 45242  
 (513) 469-6600 (Phone)  
 (513) 469-2684 (Fax)  
[info@raconsultantsllc.com](mailto:info@raconsultantsllc.com)  
[www.raconsultantsllc.com](http://www.raconsultantsllc.com)



The Butler County Engineers Office project tasks included evaluating their current GIS setup and working with and assisting the GIS manager on best practices for the GIS/IT System including ArcGIS Server, ArcGIS Server extensions and SDE SQL databases. In addition, RA Consultants assisted in developing and configuring tools and implementing methods of best practices for the web map applications using Microsoft Visual Web Developer 2010 Express and Visual Studio 2012, Silverlight 5, Adobe Flex 3.3, ArcGIS API 3.0., ArcGIS JavaScript API. RA Consultants created and customized ArcGIS Online applications to be used in the field, and have begun testing and designing the mobile app based field applications on android and IOS platforms.

Additionally, RA has implemented StrataGIS Fleet™ for GPS/AVL (Automatic Vehicle Location) and installed devices in approximately 80 vehicles. ArcGIS Server 10.2 with geoevent processor was used to store and process the AVL data into the Butler County Engineers office's SQL database. ArcGIS Operations dashboard was used for customized reporting and real-time fleet and geofence notifications.