

PinPoint-PublicWorks™

In the summer of 2006, City of Clemson administrators sat down with Jim Oswald (co-developer and CEO for PinPoint GeoTech, LLC) to lay out an idea that they had to streamline the way their Public Works department would deal with debris pick-up. Clemson wanted to see a form of technology developed that could be used to help coordinate and map where debris was before debris removal crews left the department. PinPoint-PublicWorks™ was developed and presented to Clemson officials in May of the following year. It was the technology the city had in mind, and it's the technology that can save a city time, resources, and money.

As city workers drive their normal routes, they can also be on the look out for piles of debris or other items that need special attention. Using the hand held data collection unit, a driver can simply touch a button to report an issue in categories ranging from piles of leaves, to overhanging limbs, to code violations, etc.. At the end of the day, all of the marked issues are uploaded to an administrator's computer and are then compiled into a list of work orders for city workers the next day. The hand held devices include a camera and voice note capabilities to add irrefutable and more detailed information to the marked issues. In addition to Sanitation and Debris Data Collection, further development of the system now includes the applications below and many other data collection scenarios.

The City of Clemson saw a problem, and officials envisioned a technological solution. By partnering with PinPoint GeoTech, LLC, PinPoint-PublicWorks™ was created. Because of this Clemson and 80 other municipalities and engineering firms are now more efficient with their employees' time and their taxpayers' money.

PinPoint-PublicWorks™ Applications:

- Sanitation & Debris Data Collection
- Code Enforcement and Compliance
- Storm Water Compliance
- Asset Management
- Post Disaster and Emergency Management and FEMA Documentation
- Municipal Risk Aversion
- Engineering and Maintenance Rating Processes

Additional Features include:

- Linear Asset Data Collection for Engineering, Roads, and Storm Water Management
- Asset Scoring, Rating, and Compliance Forms
- Emergency Management Division/FEMA Data Collection Profiles Created and Used by the South Carolina Emergency Management Division (includes button profiles, work flow plan, and custom Excel spreadsheet output)
- MRP Ready Data Collection (Maintenance Rating Process)
- Event Notification via Email and Text Message from Field Unit or Desktop
- Custom Data Collection Forms for Roads and Pavement, Storm Water, Asset Management, Maintenance Rating Process, Post Disaster Data Collection, Event Severity Pass/Fail Criteria, and Attribute Documentation
- Field Unit Displays Web Based GIS Shape Files, Google Maps, and Parcel Information (Provided through County's GIS Web Access with cell activated data plans)
- Microsoft Word Templates for Code Enforcement, Work Orders, Compliance Documentation

Project Contact: Richard Cotton, City Administrator, City of Clemson, SC
rcotton@cityofclemson.org or 864-653-2030.