



## PROJECT PROFILE

### » Key Project Elements

- Stormwater modeling and design
- Roadway design
- Bridge safety review
- Permitting with St. Johns County and St. Johns River Water Management District

### » Client

St. Johns County

### » MDG Manager

Scott A. Knowles, PE

### » Status

Engineering completed 2013,  
construction pending

## COUNTY ROAD 13 REDESIGN ST. JOHNS COUNTY, FLORIDA



**Project design included stabilization to the road foundation and bridge safety improvements.**

Matthews Design Group (MDG) provided engineering services to design the raising and resurfacing of approximately a one-mile section of CR 13 near the Six Mile Creek Bridge. Sections of this roadway section suffered flooding during high water level events and deterioration from exposure to high water table conditions. The presence of high organic soils deep below the roadway precluded conventional over-excavation. MDG specified a geofoam and geogrid system to stabilize the road foundation. In addition, the overall design provided bridge safety improvements to bring the bridge to current standards.



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Completed 2013

» **Fee**

\$70,000