



PROJECT PROFILE

» Key Project Elements

- Crossing design
- Assistance with project bidding
- Construction administration
- Coordination with NRCS with project grant administration
- Permitting with St. Johns County and St. Johns River Water Management District

» Client

Flagler Estates Road and Water Control District

» MDG Manager

Scott A. Knowles, PE

» Status

Completed 2010

PALATKA-KIRCHERR INTERSECTION IMPROVEMENTS ST. JOHNS COUNTY, FLORIDA



Gabion lining designed to prevent erosion

Matthews Design Group (MDG) designed a new culvert crossing for the Palatka-Kircherr intersection in Flagler Estates Road and Water Control District to replace the existing crossing that had deteriorated from age and wear. The new crossing design specified gabion lining of the channel walls to prevent erosion similar to that experienced with the old crossing. Other design features included improvements to the roadway and stormwater conveyance systems.

The Natural Resources Conservation Service (NRCS) provided partial funding for the intersection improvements.