

TRANSPORTATION Services



BIRKITT
ENVIRONMENTAL
SERVICES, INC.



Birkitt Environmental Services, Inc. (Birkitt) is experienced with Project Development and Environmental (PD&E) studies including intersection improvements and roadway expansions. Other transportation related projects include bridge construction/replacement, sidewalk improvements, and boardwalk construction. Services have included wetland assessments and jurisdictional delineation, threatened and endangered species surveys, tree assessments, and coordination with the local, state, and federal regulatory agencies to obtain necessary environmental permits, including development of mitigation plans. Birkitt has an FWC Authorized Gopher Tortoise Agent on staff to assist in gopher tortoise surveys and relocations.

Key Wetlands Services Include:

Regulatory and Permitting

- Local (Environmental Protection Commission of Hillsborough County, Tampa Port Authority)
- State (Water Management Districts, Florida Department of Environmental Protection)
- Federal (US Army Corps Engineers, US Coast Guard)

Ecological Services

- Jurisdictional Wetland Delineation and Assessments
- State and Federal Protected Species Assessments
- Natural Features Inventory
- Tree Assessments
- Cultural Resources Research

Transportation Experience

- PD&E Studies
- Linear Roadway Expansion Projects
- Intersection Improvement Projects
- Bridge Construction/Replacement Projects

Other Transportation Related Projects

- Sidewalk Design Projects
- Boardwalk Projects
- Pedestrian Bridge and Trail Projects

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Project Experience

Crenshaw Lake Road and Whitaker Road Intersection Improvement

Environmental services to support our engineering team in conducting land use, natural features, and archeological research to prepare an environmental report for the alternatives chosen to improve the intersection at Crenshaw Lake Road and Whitaker Road in Hillsborough County. Birkitt worked with Hillsborough County and SWFWMD to reach 30% design of the intersection improvement.

Hillsborough Avenue and Webb Road PD&E

Birkitt conducted land use, natural features, and archaeological research for a PD&E project at the intersection of Webb Road and Hillsborough Avenue in Hillsborough County. Birkitt prepared an environmental report detailing the results of the environmental surveys and potential impacts from the proposed intersection improvements. Additionally, Birkitt's certified arborist conducted a tree survey at the intersection. Close coordination with Hillsborough County and SWFWMD occurred as part of this project.

Hillsborough Avenue and Sawyer Road PD&E

Birkitt worked with the engineering team to provide environmental services for a PD&E project at the intersection of Sawyer Road and Hillsborough Avenue in Hillsborough County. Birkitt conducted wetland assessments, threatened and endangered species surveys, tree assessment, and cultural resources research for preparation of an environmental report. Coordination with local, federal, and state agencies occurred as part of this project.

Fairway Boulevard Bridge Replacement over Flamingo Canal

A wetland jurisdictional delineation survey and mitigation assessment was conducted for the project area located over the Flamingo Canal Bridge. Birkitt prepared permit applications, technical data and supporting documentation for all environmental permits for impacts to wetlands. Coordination with USCG, EPC, SWFWMD, and USACE was conducted to obtain the necessary environmental permits. Birkitt also assisted in the preparation of stormwater and NPDES permits.

Gunn Highway and Tarpon Springs Road Final Design

Birkitt provided environmental surveys, permitting, and mitigation assistance for a intersection improvement project. The project consisted of widening the right turn lane from Gunn Highway onto Tarpon Springs Road, the east side of Gunn Highway and the south side of Tarpon Springs Road. Birkitt field verified land use data, cultural features, hydrologic data, and natural features for the proposed project. An environmental report detailing general site conditions, wetlands review, threatened and endangered species survey, and a tree assessment was provided based on field investigations. Extensive coordination with Hillsborough County and the Southwest Florida Water Management District was required to reach 100% design of the improvement project.

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