

## **MH2 ENGINEERING, LLC**

FBPE Registry #39161  
5221 Old Magnolia Road  
Tallahassee, Florida 32309  
Cell: 850.545.8094  
Email: MRHurd@MH2ENG.com

### **Education:**

Bachelor of Science, Civil  
Engineering  
Florida State University, 2005

### **Professional Certification:**

Florida P.E. #72295

### **Meredith R. Hurd, P.E.**

Mrs. Hurd has 19 years of experience in the design and management of public infrastructure improvement projects. Mrs. Hurd has extensive experience in roadway and drainage design, including safety improvements of existing roadways, design of new roadway alignments and construction, sidewalk and mixed-use trail design, analysis and design of stormwater management facilities, flood study and design improvements, and bridge hydraulics analysis. Mrs. Hurd's experience in the design and management of roadway and stormwater improvement projects has been gained primarily on projects for the Florida Department of Transportation and City of Tallahassee.

### **Project Experience**

#### ***Lothian Drive Flood Study***

#### ***City of Tallahassee Stormwater Management: Tallahassee, Florida***

Mrs. Hurd was **EOR** responsible for the existing condition flood study and proposed improvement alternatives for the City of Tallahassee in response to flood complaints from Lothian Drive to Waverly Pond in the Waverly

Hills Neighborhood. Additional hydrologic and hydraulic detail were added to a previous City of Tallahassee basin study in ICPR for approximately 1 mile upstream of the previous study area to evaluate flood conditions. The limits of the study area reach from an upstream impoundment on City of Tallahassee property through McCord Park Pond downstream. Four proposed alternatives were evaluated which included updates to impoundment volume, ditch expansion, swale conveyance, pipe junction and headwall improvements, and increased pipe sizes to improve underground conveyance and reduce surface flooding while ensuring no adverse impacts to downstream systems.

#### ***Hilaman Flood Study***

#### ***City of Tallahassee Stormwater Management: Tallahassee, Florida***

Mrs. Hurd was **EOR** responsible for the existing flood study at the Washinton Square Townhome Development (WSTHD) and proposed hydraulic recommendation. The proposed recommendation added a grassed swale to manage upstream runoff, utilized the existing pond on the golf course to minimize ROW impacts, added shallow swales to provide positive outfalls for the WSTHD, and met the designation of a stormwater retrofit project to qualify for a General Permit with NFWMD and exemption with Tallahassee Growth Management. Onsite detailed hydraulic conditions were evaluated using ICPR. Impacts of the proposed design to the larger offsite areas were evaluated in XPSWMM.

#### ***SR 263 (Capital Circle) Add Lanes and Reconstruct from SR 61 (Crawfordville Rd) to CR 2203 (Springhill Rd) FDOT – District 3: Leon County, Florida***

Mrs. Hurd served as the **Drainage EOR** on this 2.2 mile two-lane rural to six-lane divided urban roadway widening project. Mrs. Hurd was responsible for stormwater design, storm sewer design, and assisted in bridge hydraulic analysis. This project included coordination with the Tallahassee Regional Airport to meet pond drawdown requirements and to acquire FAA land release for a proposed pond site. This project was permitted through FDEP and included nutrient loading analysis to ensure no project increases in an impaired waterbody to secure the Individual ERP.

#### ***SR A1A Resurfacing from Begin 4-Lane to SR 312 & from Flagler County Line to East Magnolia Avenue FDOT – District 2: St. Johns County, Florida***

Mrs. Hurd is the **Drainage EOR** for this RRR design group for FDOT District 2. These projects include resurfacing, safety upgrades, and existing drainage evaluation for 4.1 miles of urban roadway and 9.7 miles of rural roadway on SR A1A in St. Johns County. These projects required coordination with FDOT Maintenance to identify potential causes of reported drainage issues and coordination with three future trail projects within the project limits for design implementation.

***SR 370 (Gulf Coast Parkway),***

***FDOT – District 3: Bay County, FL***

Mrs. Hurd served as the **Roadway and Drainage EOR** on this new two-lane capacity project that primarily consists of constructing a new high speed rural facility connecting SR 30A to CR 2315 in Bay County, Florida. Mrs. Hurd was responsible for the horizontal and vertical alignment of the roadway and 10 ft multi-use trail, development of the typical section, evaluation of sight distances, and roadside safety. Mrs. Hurd also provided drainage design for the project, including stormwater pond design, ditch analysis, storm sewer design, and culvert analysis and design. Mrs. Hurd was also heavily involved in permitting and utility coordination efforts required for the project.

***Design Group 21-01***

***FDOT – District 3: Okaloosa County, Florida***

Mrs. Hurd was the **Project Manager** for this RRR design group for FDOT District 3 as well as **EOR for Drainage, Roadway, and Signing and Pavement Marking** for SR 85 and QA/QC for SR 8 (I-10). The projects included resurfacing and safety upgrades for 8 miles of SR 8 (I-10) and 2.2 miles of SR 85 (urban roadway) in Okaloosa County. After scoping, FDOT authorized additional design elements (off ramp widening and relocation of a traffic monitoring station) on SR 8 (I-10) requiring additional design and subconsultants on the contract. The ramp widening required a culvert extension design that met existing hydraulic conditions, met clear zone and safety criteria, and minimized impacts to wetlands. Mrs. Hurd successfully met the original schedule for final deliverables to the client with the added elements.

***SR 30 (US 98) Multi-Lane Reconstruction***

***FDOT – District 3: Walton County, Florida***

Mrs. Hurd served as **Project Manager** during construction and was the **Drainage EOR** for this multi-laning project to widen SR 30 (US 98) from four to six lanes from CR 30A to the Walton County Line in Walton County, Florida. Mrs. Hurd was responsible for the stormwater design, storm sewer design, and culvert design. In addition, Mrs. Hurd was responsible for pond siting report and involved in environmental permitting for the project. During construction, Mrs. Hurd reviewed drainage shop drawings and material specification as well as provided prompt assistance to CEI requests to keep the construction project on schedule.

***Design Group 19-03 (SR 65 & SR 30 RRR)***

***FDOT – District 3: Liberty County, FL & Franklin County, FL***

Mrs. Hurd was **Roadway and Drainage EOR** for this three (3) mile RRR project on SR 65 from south of Telogia Power Entrance to south of Telogia Creek in Liberty County, Florida and **Drainage EOR** for this five (5) mile RRR project from on SR 30 from east of CR 385 to West of CR 384 in Franklin County, Florida. These projects included resurfacing the existing travel lanes and paved shoulders, drainage, and maintenance and safety upgrades. Safety upgrades included addressing clear zone violations and evaluation of cross slopes. Mrs. Hurd was responsible for roadway and drainage design and plans production.

***SR 61 Realignment***

***FDOT – District 3: Wakulla County, Florida***

Mrs. Hurd was the **Drainage EOR** for this project to realign SR 61 with US 98 in Wakulla County, which also included widening the roadway from a two-lane rural roadway to a four-lane urban roadway with an enclosed drainage conveyance system. Mrs. Hurd was responsible for the drainage design and stormwater analysis for the project.

***SR 10 (US 90)***

***FDOT – District 3: Leon County, Florida***

Mrs. Hurd was the Drainage Designer responsible for storm sewer design and stormwater plans production for this project to widen US 90 from Dempsey Mayo to west of I-10. The project consisted of a three (3) mile project to reconstruct the two-lane rural road to a four-lane divided urban roadway with curb and gutter and enclosed drainage conveyance systems.

***Additional Bridge Hydraulics Analysis experience is linked under Meredith R Hurd Experience.***