



**Matt Hines, PE**  
**Engineering Manager**  
**(2011– Present)**

**B.S., Civil Engineering, University of South Carolina - 2011**

**B.S., Chemistry, Presbyterian College - 1996**

**Design and Calculation Software:**

- Autodesk AutoCAD Civil 3D, LDC and LDD (2004-2013)
- Bentley Microstation V8i (w/ GeoPak)
- Bentley WaterCAD V8i
- FHWA Hydraulic Toolbox ver. 2.1
- FHWA HY-8 ver. 7.2
- HydroCAD ver. 8.5
- MathCAD 14
- Matlab 7.4
- Microsoft Office Suite
- Microsoft Project

**Professional Memberships:**

- American Society of Civil Engineers – South Carolina Section, Midlands Chapter
- American Society of Civil Engineers – Transportation Development Institute
- American Concrete Institute
- American Institute of Steel Construction



Matt Hines currently serves as Engineering Manager where he can apply his years of experience managing people and projects to the design, rehabilitation and construction of State and County maintained roads and bridges. Hines joined Dennis Corporation as an Engineering Intern in the Civil Infrastructure Division where he assisted in the preparation of right of way exhibits, bid documents and submittals for a number of projects of all types. He then was named a Construction Inspector with Dennis Corporation's Intelligent Transportation Systems (ITS) Division. As an Associate Engineer, Mr. Hines performed design and analysis for the Civil Infrastructure Division including Roadway Design, Stormwater Management, Sediment and Erosion Control Design and Industrial, Commercial and Residential Site Development. In his current position, Mr. Hines coordinates and manages all roadway design and permitting projects, oversees the roadway design staff, and serves as mentor to the division's Internship Program.

Mr. Hines' project experience includes:

**Calhoun CTC 2015 Roadway Improvement Program:** Currently serving as Project Design Manager for this project.

**Richland County Dirt Road Paving Program:** Serving as Assistant Program Manager and Engineering Manager for this project.

**Hurricane Creek Bridge Rehabilitation (Great Pee Dee Heritage Preserve), SC Department of Natural Resources:** Served as Project Manager for the design of a replacement bridge over Hurricane Creek within the Great Pee Dee Heritage Preserve in Darlington County, SC. In addition to public access to the preserve, this bridge functions as a crossing for logging operations and road maintenance activities. The design will replace the existing concrete slab bridge with a steel structure that will clear-span the crossing in order to reduce debris management and scour, and to improve the hydraulic efficiency of the waterway.

**Pavement Design for the Reconstruction of State Park Roads, SC Department Parks, Recreation and Tourism:** Served as Project Manager for the sampling, testing, pavement design, and construction cost estimates for the full-depth reclamation of approximately 5 miles of existing State Park roads in Kings Mountain State Park, Barnwell State Park, and Myrtle Beach State Park and full depth patching along 1.5 miles of roads in Kings Mountain State Park. By recycling the existing asphalt pavement for use as a cement-modified base course, the overall cost of construction will be reduced.

**Improvements to Ruth Vista Road, Lexington County, SC:** Currently serving as Project Manager for the design, permitting and paving of an existing dirt road in Lexington, SC. Project responsibilities included the management of the design team, coordination with County staff and permitting agencies, utilities coordination and oversight of the construction administration.

**Coleman Boulevard Parking Study, Town of Mount Pleasant, SC:** Currently serving as Project Manager for a parking study of the Coleman Boulevard Overlay District which includes Coleman and Ben Sawyer Boulevards from the base of the Ravenel Bridge from Charleston to Cove Bay Lane near the Ben Sawyer Bridge. This project involves the data collection, modeling and evaluation of the existing parking demands and capacity, as well as creating a GIS-based planning and mapping tool for the management of future growth and demand.

**SC- 165 Five Lane Widening, Dorchester County, SC:** Currently serving as Project Manager for the design and construction of more than two miles of roadway improvements along SC-165 from Carolinian Avenue to Ashley Ridge High School in Dorchester County. Improvements include widening the existing 18' two-lane travelway to five lanes and incorporating new bicycle lanes, sidewalks and crosswalks along the roadway. Services being provided are survey, roadway and hydrological design, NEPA study and environmental permitting, right-of-way acquisition, utilities coordination, financial management and construction management.

**Bluffton Parkway Grant Application, Town of Bluffton, SC:** Served as project manager for the drafting and submittal of a grant application to the South Carolina Transportation Infrastructure Bank for the construction of Phase 5B of the Bluffton Parkway in Beaufort County. Project responsibilities include oversight of application narrative and document production, collecting and developing technical data, financial analysis and scheduling, and consulting services regarding the presentation phase of the application.

**United Midlands Multimodal Corridor Improvement Project Grant Application, Midlands, SC:** Served as project manager for the drafting and submittal of a \$335,000,000 grant application to the South Carolina Transportation Infrastructure Bank. This project represents an unprecedented collaboration between the City of Columbia, Columbia Metropolitan Airport, Lexington County, Richland County, and in partnership with Central Midlands Council of Governments and the Unity of South Carolina. This project includes improvements to Assembly Street, Huger Street, Greene Street and Williams Street as well as the completion of the Airport Connector to I-26. Project responsibilities include coordination of multiple governmental and private entities, oversight of production of the application document, collecting and developing technical data, financial analysis, and scheduling.

**Coleman Boulevard Improvements, Town of Mount Pleasant, SC:** Currently providing environmental permitting and NEPA documentation services as a sub-consultant for this project which includes roadway and storm water improvements along a one mile portion of Coleman Boulevard (SC 703) to include a new multi-lane roundabout.

**I-20 Cross Slope Verification, Kershaw County, SC:** Served as Project Manager for determination of the corrective measures plan and preparation of as-built drawings for the cross-slope verification of approximately 13 miles of I-20 in Kershaw County. Survey data is being evaluated to determine corrective measures to meet the tolerance levels of the project and to produce as-built drawings of the roadway improvements.

**Roland Drive Roadway Improvements, Lexington County, SC:** Served as Project Manager for the design, permitting and paving of an existing dirt road in Lexington, SC. Project responsibilities included the management of the design team, coordination with County staff and permitting agencies, and oversight of the construction administration.

**Windy Ridge Road/Country Way (Dirt Road Paving), Edgefield County, SC**

**Project "Bread" (New Road Alignment), Chester County, SC:** Served as Project Manager for the design, permitting and paving of a new roadway alignment for an industrial park in Chester, SC. This new road will connect a new manufacturing facility with the SCDOT network as part of the County's economic development program. Project responsibilities include the management of the design team, coordination with County staff and permitting agencies, communication with the new developer and oversight of the construction administration.

**Foxchase Subdivision Stormwater Improvements, Aiken County, SC:** Served as Lead Design Engineer for the rehabilitation of an existing storm sewer system including horizontal and vertical realignment and new structural controls. Project responsibilities include hydrologic/hydraulic modeling and design, permitting and preparation of construction and bidding documents.

**Sandy Pines Lane Bridge Rehabilitation, Dorchester County, SC:** Served as Lead Roadway Engineer and Project Manager for the rehabilitation of a damaged bridge abutment system. This project consisted of the installation of a new steel sheet pile system, repairs and stabilization of the existing timber piles, and the construction of new approach slabs. The design approach is to rehabilitate the bridge support system with the deck in-place, thereby greatly reducing the permitting review time and construction costs, while providing for future maintenance and serviceability requirements. Project responsibilities included roadway design, coordination with structural design team, preparation of construction and bidding documents, coordination and oversight of USACOE and SCDHEC permitting, and construction administration.

**Edgefield CTC On-Call Engineering:** Currently serving as Lead Design Engineer and Project Manager for the design of 3 roads totaling 1.8 miles and previously served as Design Engineer for the design of 4 roads and 3 transportation safety improvement projects in Edgefield County, SC. Project responsibilities include roadway design, stormwater management, utilities coordination, preparation of construction and bidding documents, SCDOT, USACOE and SCDHEC permitting, and construction administration.

**Little Jackson Creek Improvement Project Richland County, SC:** Currently serves as part of a design team to develop a restoration strategy and design improvements for a 7,340 linear foot drainage ditch and jurisdictional stream which conveys stormwater runoff generated from a heavily developed commercial corridor consisting of 450 acres. The project involves close coordination with Richland County Public Works, CSX Railroad, corporate and individual landowners, and US Army Corps of Engineers. Project responsibilities include the analysis and evaluation of the existing and proposed stormwater conveyance systems, development of an overall strategy to reduce the runoff velocities within the channel, preparation of engineering reports and public hearing documents and preparation of construction documents.

**Batesburg Leesville High School Softball Complex, Batesburg-Leesville, SC:** Lead Design Engineer for a project to expand walkways and bleacher areas, improve existing stormwater conveyance, and design a new stormwater system to support a future parking lot and roadway. Project responsibilities included site layout, storm drainage analysis and design, and preparation of construction and bidding documents.

**James Island County Park, James Island, SC:** Lead Design Engineer for a project to rehabilitate 3.8 miles of asphalt trails during their busiest season. This project utilized realignment, pavement rehabilitation techniques including full depth reclamation, and stormwater improvements in a coordinated sequence to minimize disturbances to park visitors and complete the project earlier than scheduled. Responsibilities included identification of most critical areas of improvement, geometric design, pavement design, stormwater analysis and design, and preparation of construction and bidding documents.

**New Okra Strut Park, Town of Irmo, SC:** Lead Civil Design Engineer for a previously undeveloped 15 acre parcel for use as a public park featuring an amphitheater, paved walking trails, a thru access road, multiple parking lots and restroom facilities. This project involved close coordination on a multi-discipline team with multiple jurisdictions and permitting agencies. Responsibilities included site layout, roadway and intersection design, parking configuration, stormwater analysis and design, potable water system design and permitting, on-site septic system design and permitting, and preparation of all civil construction drawings and specifications.

**Orangeburg County On-Call Engineering:** Roadway designer for a total of 15 roadway rehabilitation projects for the Orangeburg County Department of Public Services in South Carolina. Project responsibilities consisted of geometric alignment, stormwater management, utilities coordination, preparation of specifications and bidding documents, and permitting.

**Lexington Maintenance Site, Lexington SC:** Served as the Lead Design Engineer for the site design of a maintenance facility and "lay-down yard" for the Town of Lexington public works department. Project responsibilities include site layout of multiple pre-engineered buildings, paved and unpaved parking design, stormwater design and permitting.

**Derrick Hollow Road, Lexington County:** Served as part of a team in the design of a 0.5 mile road for Lexington County near Leesville, SC. Project duties included geometric design, stormwater design, Lexington County MS4 and SCDOT permitting, and the preparation of bidding documents.

**Windmill Harbour Gatehouse Traffic Flow Plan, Bluffton, SC:** Served as a member of a project team to develop workzone traffic routing plans to be utilized during the construction of improvements to the roadway of a gated subdivision. Project duties included preparation of traffic control plans and schematic intersection design alternatives for SCDOT review.

**Fallen Officers Memorial Square, Lexington, SC:** Served as a member of the design team to develop an urban plaza and park featuring concrete walkways and memorials located on the grounds of the Lexington County Courthouse. Project duties included site grading and storm drainage design and the preparation of construction plans.

**Frank Williams Drive, Georgetown County, SC:** Design Engineer for a project to pave 0.7 miles of dirt road. Right-of-Way restrictions along the route provided a challenging parameter for this design. Project duties included geometric design, stormwater design, SCDHEC-OCRM and SCDOT permitting, and the preparation of bidding documents.

**Georgetown County Roads:** Assisted in the preparation of documents and exhibits in order to obtain appropriate permitting for the construction of a total of six roads for the Department of Public Works in Georgetown County, S.C. These included SCDHEC-OCRM, U.S. Army Corps of Engineers, and SC-DOT Encroachment permitting.

**Kelly Mill Recreation Complex, Columbia, SC:** Served as part of a multi-discipline team involving multiple firms for the design of phase I of a 150 acre site including the development of 4 soccer fields, a softball field, a pedestrian bridge, and associated drives and parking. Space limitations and wetland areas onsite required special consideration to site grading. Project included paving, grading, storm drainage design, water service, and septic field design for public restrooms onsite.

**Crane Creek Gymnasium, Columbia, SC:** Served as part of a multi-discipline team involving multiple firms for the design of a new gymnasium site. Project included paving, grading, storm drainage design, water and sewer design as well as associated permitting. The project used an existing portion of school site. Existing parking and accessory use areas were modified as part of the design project.

**I-20 Rehabilitation - Cross Slope Verification As-Built Plans:** Assisted in the plans preparation for as-built drawings for the cross slope verification of approximately 16.5 miles of I-20 between Lee County, SC and Darlington County, SC. Plans were developed using laser scanning survey techniques to quickly and efficiently determine the tolerance levels of the cross slope corrections, and included cross sections shown every 100' on tangent and 50' on curves. Responsibilities included calculations and verification that as-built data met tolerances required by SCDOT.

**Lexington Maintenance Site, Lexington SC:** Served as the Lead Design Engineer for the site design of a maintenance facility and "lay-down yard" for the Town of Lexington public works department. Project responsibilities include site layout of multiple pre-engineered buildings, paved and unpaved parking design, stormwater design and permitting.

**Camp Longridge Sediment and Erosion Control Improvements, Winnsboro, SC:** Lead Engineer on a project to develop a master sediment and erosion control plan for a camp and retreat facility covering over 60 acres. Project duties included site investigation, schematic plans preparation, and coordination with volunteer contractors and vendors to ease ongoing erosion due to stormwater runoff.

**New Community Park of Irmo, Town of Irmo, SC:** Lead Civil Design Engineer for a previously undeveloped 15 acre parcel for use as a public park featuring an amphitheater, paved walking trails, a thru access road, multiple parking lots and restroom facilities. This project involved close coordination on a multi-discipline team with multiple jurisdictions and permitting agencies. Responsibilities included site layout, roadway and intersection design, parking configuration, stormwater analysis and design, potable water system design and permitting, on-site septic system redesign and permitting, and preparation of all civil construction drawings and specifications.

**Barberry Woods Subdivision Storm Drainage Improvements, Johns Island, SC:** Lead Design Engineer for a project to remedy a failing stormwater conveyance system within a subdivision. Developed a plan to modify the existing closed drainage system in order to utilize available on-site wetlands areas for the storage of excessive runoff. Project responsibilities included the analysis and evaluation of the undeveloped, existing, and proposed stormwater systems, and the preparation of engineering reports and construction documents.

**Killian Crossing, Blythewood, SC:** Served as design engineer working closely with the Developer and SCDOT to prepare design and permitting package, supporting documents and construction plans for intersection improvements as well as roadway storm drainage improvements and beautification related to a retail development currently under construction near Blythewood, SC. The scope of this work included roadway design, roadside beautification, improved pedestrian facilities and stormwater design and permitting for improvements along Interstate 77 and the development's entrances along Killian Road (S-3050) within the public right-of-way.

### **Professional Registration, Training and Certifications**

- USGS South Carolina Bridge Scour Envelope Curves
- ACI: Field Technician Grade I
- ITRE: Workzone Traffic Control Supervisor
- SC DOT: OCC Technician Grade I and II

### **Design and Calculation Software**

- Autodesk AutoCAD Civil 3D, LDC and LDD (2004-2013)
- Bentley Microstation V8i (w/ GeoPak)
- Bentley WaterCAD V8i
- FHWA Hydraulic Toolbox ver. 2.1
- FHWA HY-8 ver. 7.2
- HydroCAD ver. 8.5
- MathCAD 14
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