



B.S., Civil Engineering,
University of South
Carolina
1993

DENNIS CORPORATION

G. Tim Antley 1993 - Present (Career) Construction Services Manager

Mr. Antley's experience includes design, inspection, construction management and project management for many road and bridge projects. Additional responsibilities have included foundation design for bridges, pavement design and construction inspection.

Recent roadway and bridge experience includes the following projects:

- ❑ **2006, 2007 & 2008 Road Improvement Programs, Fairfield County, South Carolina** – Project Manager for implementing a program to pave dirt/gravel roadways in Fairfield County. This program consisted in the evaluation, design, producing project specifications, drawings, bidding, letting, utility coordination and construction inspection and management of 30 miles of county roadways. The design consisted of 6" of cement modified subbase and a chip seal riding surface. This project was nominated and highlighted by Southeast Cement Association in conjunction with Clemson University for a T³ workshop.
- ❑ **Moultrie Street Sidewalk, Fairfield County, South Carolina** – Project Manager for the design and inspection of approximately 1200 LF of new 5' sidewalk with ADA compliance. This project provided pedestrian access from an apartment complex to the shopping center at the intersection of US 321 and Moultrie Street. His responsibilities included design, producing project specifications, drawings, bidding, letting, utility coordination and construction inspection and management.
- ❑ **Interstate Rehabilitation on I-20, Columbia, South Carolina** – SCDOT Resident Construction Engineer for the rehabilitation of 7 miles of I-20 and extending two deceleration ramps at Exit 70 and Exit 71. The project consisted of cross slope corrections, placing Open Graded Friction Course (OGFC) and updating the existing guardrail. Mr. Antley's responsibilities included conducting the preconstruction conference, supervision of employees performing field inspections, quality control and materials testing, change orders, maintenance of project records and processing progress payments. All project records, change orders, and monthly estimates were conducted in SiteManager.
- ❑ **Culvert Replacement, Columbia, South Carolina** – SCDOT Resident Construction Engineer for the addition of an 8' x 10' culvert adjacent to the existing culvert. The project consisted of maintaining traffic during construction, installing a temporary and permanent retaining wall, resurfacing and traffic signals. His responsibilities included utility coordination and relocation, conducting the preconstruction conference, supervision of employees performing field inspections, quality control and materials testing, change orders, maintenance of project records and processing progress payments. All project records, change orders, and monthly estimates were conducted in SiteManager.
- ❑ **US 76/176 Interchange Improvements**– SCDOT Resident Construction Engineer for the construction of a new interchange on I-26 at Exit 101 (including new ramps and a new overpass bridge), extending the deceleration and acceleration ramps at Exit 96 and installation of a precast box culvert. His responsibilities included utility coordination and relocation,

conducting the preconstruction conference, supervision of employees performing field inspections, construction layout, quality control and materials testing, change orders, maintenance of project records and processing progress payments. All project records, change orders, and monthly estimates were conducted in SiteManager.

- ❑ **Replace Approaches and Bridge over Grannies Quarter Creek, Camden, South Carolina** – SCDOT Resident Construction Engineer for the construction of a 175 ft reinforced concrete deck with AASHTO girders with two drilled shaft bents including hammerhead caps and two pile bents. This project also included raising the existing grade approximately 10 feet to provided safety for a 500 year storm event. Responsibilities included utility coordination and relocation, conducting the preconstruction conference, supervision of employees performing field inspections, construction layout, quality control and materials testing, conducting erosion control inspections, change orders, maintenance of project records and processing progress payments. All project records, change orders, and monthly estimates were conducted in SiteManager.
- ❑ **Replace Bridge over Rister Creek, Lexington County, South Carolina** – SCDOT Resident Construction Engineer for the construction of a maintenance pre-stressed slab bridge with one drilled pile bent and three pile bents. This project consisted of removing the existing concrete and wood pile bridge and replacing with a pre-stressed slab bridge in the same location. Responsibilities included utility coordination and relocation, conducting the preconstruction conference, supervision of employees performing field inspections, construction layout, quality control and materials testing, conducting erosion control inspections, change orders, maintenance of project records and processing progress payments. All project records, change orders, and monthly estimates were conducted in SiteManager.
- ❑ **Asphalt Resurfacing, Aiken, Lee, Kershaw, Lexington and Richland Counties, South Carolina**– SCDOT Resident Construction Engineer for numerous asphalt overlays approximately 200 miles of secondary roads and 200 miles of federal funded roadways. Responsibilities included marking roads for full depth patch, leveling, milling, placement of paint and thermoplastic pavement markings and placement of raised pavement markers. Responsible for managing field technicians' daily roadway asphalt reports, checking contractor's plant reports, calculating bituminous adjustments, change orders, maintenance of project reports and processing monthly progress payments. Responsibilities included utility coordination and relocation, conducting the preconstruction conference, supervision of employees performing field inspections, construction layout, quality control and materials testing, conducting erosion control inspections, change orders, maintenance of project records and processing progress payments. All project records, change orders, and monthly estimates were conducted in SiteManager.
- ❑ **Replace Bridge over Wateree Creek, Fairfield County, South Carolina**– SCDOT Assistant Resident Construction Engineer for the replacement of the existing bridge with a flat slab bridge with pile bents. Responsibilities included utility coordination and relocation, supervision of employees performing field inspections, construction layout, quality control and materials testing, conducting erosion control inspections, change orders, maintenance of project records and processing progress payments. All project records, change orders, and monthly estimates were conducted in SiteManager.
- ❑ **Widening of SC 9 in Chester, South Carolina**– SCDOT Assistant Resident Construction Engineer for coordinating field layout of new roadway and bridges with the CRM East office. Surveyed several borrow pits to ensure field measured quantities agreed to final measurements. Worked with local utilities to ensure their facilities were not in conflict with the storm water drainage.
- ❑ **Reclamation of 6 miles on Payton Bridge Road in Chester, South Carolina and 2 miles on Mt. Gallant Road in York County**– SCDOT Assistant Resident Construction Engineer during the reclamation process for establishing a soil cement modified sub base and resurfacing with a new overlay. Responsibilities included monitoring the contractor's cement rate and to ensure a proper density was achieved prior to placement of the new asphalt overlay. Roadway inspections included obtaining one point Proctors,

nuclear density readings and obtaining soil cement pills for compression test.

- ❑ **Bituminous Resurfacing (Chip Seal) of various roadways in Richland, Lexington, Chester, Fairfield and York Counties, South Carolina**– Managed numerous secondary road bituminous surfacing contracts while working at the SCDOT. Work activities included monitoring the tack rate, rock rate and rolling procedures.
- ❑ **SCDOT – Bridge Design**- While working for the Geotechnical Section of the Bridge Design office at the SCDOT, Mr. Antley was involved in reviewing contractors' submittals for the pile driving equipment and submittals on the Drilled Shaft procedures. Mr. Antley was also involved in calculating and design of pile and drilled shaft foundations. Mr. Antley worked closely with the design engineers providing them recommendations on the type of foundations required based on the design loads. Mr. Antley also provided recommendations on the use and sizes of temporary and/or construction casing for bridge projects. Mr. Antley worked with the Bridge Maintenance Office, reviewing soil boring logs and providing pile lengths for the proposed bridges. Mr. Antley worked with the Bridge Construction Office on constructability issues dealing with changes in field conditions from the original boring log information. He worked with field inspectors on issues with necking and over excavation procedures during drill shaft construction.
- ❑ **F&ME Consultants – Construction Services Manager**- While working at F&ME Consultants, Mr. Antley managed an AASHTO credited laboratory and approximately 10 engineering field technicians. Mr. Antley is familiar with standard and modified proctors, sieve analysis, gradations, compression strength testing, soil borings and CBR testing. While working at this firm, Mr. Antley was involved in pavement designs, environmental assessments, geotechnical reports and UST removal. As the construction services manager, Mr. Antley worked with contractors, universities, airports, SCDOT, Department of Corrections, landfills, schools and counties throughout South Carolina providing QA/QC inspection and testing. Duties included management of technicians, field density testing, concrete testing, asphalt roadway testing, foundation inspections, monitoring of construction activities on a daily basis, processing monthly invoices and producing test reports for clients.

Construction Engineering and Inspection (CEI) Certification Classes

- ⇒ Asphalt Roadway Inspection Course – Clemson University, Clemson, SC
- ⇒ Foundations Technician – Clemson University, Clemson, SC
- ⇒ Portland Cement Concrete Technician – University of South Carolina, Columbia, SC
- ⇒ ACI Concrete Field Testing Technician – Grade I
- ⇒ Earthwork, Drainage, Base Inspector – Clemson University, Clemson, SC
- ⇒ Nuclear Gauge Safety Training Course – Troxler Electronic Laboratories, Inc., Clemson, SC
- ⇒ Erosion Prevention & Sediment Control Inspector – CEPSCI, DHEC, Columbia, SC
- ⇒ AASHTO SiteManager Construction Management Software – SCDOT, Columbia, SC
- ⇒ SC Work Zone Traffic Control Supervisor's Course – Institute for Transportation Research, Columbia, SC