

David N. DeLeeuw, P.E.

Assistant Vice President

Years with Baker: 21
Years with Other Firms: 1

Education

Massachusetts Institute of
Technology
M.S., Civil Engineering, 1981

University of Mississippi
B.S., Civil Engineering, 1979

Registrations

Professional Engineer
Georgia, 1987, 016487

Professional Engineer
Florida, 1987, 38191

Professional Engineer
Arkansas, 1985, 6136

Professional Engineer
Mississippi, 1985, 09385

Certifications

General Qualifications

Mr. DeLeeuw is an experienced manager of general civil, water resources and transportation projects including water, sewer, airports, railroad, roadway, bridge, structural, utility, surveys and construction inspection. His background also includes engineering design and supervision of all production work associated with the preparation of contract drawings, design and specifications for various transportation projects.

Department Management Mr. DeLeeuw's primary responsibility is for the management, quality assurance, scheduling, and staffing of projects for a general civil engineering and water resources department. Types of projects managed in this department include water, sewer, airports, transportation, railroad, structural, utility, surveys and construction inspection.

Project Management Mr. DeLeeuw's additional responsibilities include project management of all transportation (roadway, bridge, railroad, and airport) related projects.

Experience

Airports

Airport Access Road, Greenville, Mississippi. *Greenville Municipal Airport Authority.* Staff Engineer. Designed and prepared plans and specifications for Greenville Municipal Airport access road bridge over Deer Creek.

Airport Construction Contract Management, Pascagoula Mississippi. *Jackson County Airport Authority.* Project Manager. Managed construction of final four contracts of new airport project:

- Runway and taxiway asphalt paving
- Runway and taxiway HIRL and MITL lighting
- Administration building construction
- Outside perimeter security fencing

Assisted the Airport Authority in administration of these four concurrent construction contracts, prepared partial and final pay requests, secured FAA funding, supervised resident inspection, and prepared final contract close-out documents leading to the opening of new Jackson County Airport in 1990.

Loop Access Roadway Widening and Improvements, Jackson, Mississippi. *Jackson Municipal Airport Authority.* Project Administrator and Project Manager. Administered design phase of improvements project at Jackson International Airport. Project consisted of widening and expansion of land-side

terminal access loop roadway and bridge, employee and user parking areas; extension of utilities to air cargo terminals; and replacement of terminal access bridge canopy. Served as Project Manager during final year of construction phase, assisting Airport Authority in administration of construction contract, preparation of partial and final pay requests, tracking and coordination of project funds with Federal Aviation Administration, supervision of resident inspection, and preparation of final contract close-out documents.

Taxiway Overlay at Bruce Campbell Field, Madison, Mississippi. *City of Madison.* Project Manager and Engineer. Served as Project Manager and Engineer for the design and construction phases of this project. Work included the asphaltic overlay of the parallel and connecting taxiways, permanent pavement marking, installation of centerline taxiway reflectors, application of slurry seal coat on the apron, replacement and upgrade of airfield electrical systems (regulator, circuit breakers, photocell), and obstruction removal at the south end of Runway 17-35. Coordinated and assisted the City of Madison with design, advertisement and award of a construction contract, securing the federal grant, administration of the construction contract, partial and final pay requests, reimbursement of funds from the FAA and the Mississippi Department of Transportation - Aeronautics Division, and preparation of final contract close-out documents.

Runway Overlay at the University/Oxford Airport, Oxford, Mississippi. *University of Mississippi.* Project Manager. Coordinated and assisted University of Mississippi with administration of construction contract, partial and final pay requests, reimbursement of funds from the FAA and Mississippi Aeronautics Commission, and preparation of final contract close-out documents for improvement project for University/Oxford Airport. Project consisted of asphaltic overlay of Runway 9-27, pavement marking, installation of runway and taxiway guidance signs in accordance with the latest Federal Aviation Administration (FAA) Advisory, and installation and commissioning of the first and only Automated Weather Observation System in Mississippi.

Runway Overlay at the Winona/Montgomery County Airport, Winona, Mississippi. *City of Winona.* Project Manager. Coordinated and assisted the City of Winona with bid, award and administration of Winona/Montgomery County Airport construction contract, partial and final pay requests, reimbursement of funds from Federal Aviation Administration and Mississippi Aeronautics Commission, and preparation of final contract close-out documents. Project consisted of asphaltic overlay of Runway 3-21, base repair of a failed runway section, 50 feet by 250 feet, and pavement markings.

Computer Expertise

Operating Systems:
Windows 95

Construction Management and Inspection

Nissan Phase II, Old Jackson Road, Construction Engineering and Inspection, Canton, Mississippi. *Mississippi Department of Transportation.* Project Manager. Responsible for all construction management and inspection

services. The project includes grading, drainage, bridge, paving, for upgrading existing two (2) lane roadway to five (5) lanes on Old Jackson Road.

Nissan Phase II. Nissan Drive Extension Construction Engineering and Inspection, Canton, Mississippi. *Mississippi Department of Transportation.* Project Manager. Responsible for all construction management and inspection services. The project includes grading, drainage, and paving four (4) lanes of highway on new location from Nissan Interchange to Old Jackson Road.

S.R. 302, Olive Branch, Mississippi - *Mississippi Department of Transportation.* Project Manager. Complete construction management and inspection services for new 4-lane bypass and interchange with S.R. 305 and railroad in City of Olive Branch for MDOT

US 82, Webster County, Mississippi. *Mississippi Department of Transportation.* Project Manager. Complete construction management and inspection services for upgrading a two-lane roadway to a four-lane facility.

US 82, Starkville Bypass, Oktibbeha County, Mississippi. *Mississippi Department of Transportation.* Project Manager. Complete construction management and inspection services for construction of a new four-lane bypass.

Cowan-Lorraine Road, Harrison County, Mississippi. *Mississippi Department of Transportation.* Project Manager. Complete construction management and inspection services for upgrading a two-lane roadway and bridge to a four-lane facility.

Dredging

Terminal D Open Wharf Dredging, Pascagoula, Mississippi. *Jackson County Port Authority.* Project Manager. Designed and prepared construction plans for the hydraulic dredging of 580,000 cubic yards of material in preparation for construction of the Terminal D Open Wharf. Assisted to Port Authority with management and inspection of the dredging contract.

Terminal Maintenance Dredging, Pascagoula, Mississippi. *Jackson County Port Authority.* Project Manager and Project Engineer. Designed and prepared construction plans for the hydraulic dredging of 100,000 cubic yards of material adjacent to Terminals A, B, C and D in Pascagoula, Mississippi. Project completed to maintain deep water (38 feet) in front of these open wharfs. Assisted to Port Authority with management and inspection of the dredging contract.

Environmental Studies/Assessments

U.S. 71 Relocation, DeQueen, Arkansas to Interstate 40, Arkansas. *Arkansas State Highway and Transportation Department.* Project Engineer for this extensive 125 plus mile interstate-type location study, Draft and Final EISs and Record of Decision in mountainous, picturesque western Arkansas. Responsible for coordination and scheduling for the staff involved with the conceptual alignment and location studies.

Southeast Arkansas I-69 Connector Study, Pine Bluff to Monticello, Arkansas. *Arkansas State Highway and Transportation Department.* Project Engineer for this 50 mile interstate-type location study and Draft and Final EISs. Responsible for coordination and scheduling for the staff involved with the conceptual corridor and route alignment studies and analysis.

U.S. 82 Bridge over the Mississippi River, Greenville, Mississippi. *Mississippi Department of Transportation.* Project Manager. Managed engineering study report and environmental assessment of a proposed U.S. 82 bridge over Mississippi River. Studied three alternatives to provide a four-lane crossing including a new two-lane structure parallel and adjacent to the existing two-lane bridge; and new four-lane structures at two different sites. Considered concrete as well as steel structures. Prepared complete environmental assessment clearing the way for approval of recommended alternative by Federal Highway Administration.

S.R. 304 Improvements, DeSoto, Tate and Tunica Counties, Mississippi. *Mississippi Department of Transportation.* Project Manager. Managed environmental study for proposed S.R. 304 between Hernando and Robinsonville. Studied two alternatives including a new four-lane facility on new alignment with full control of access and interchanges at each end and at major intersections. Prepared complete environmental assessment for Federal Highway Administration approval for presentation at a public hearing.

S.R. 67 and Cowan-Lorraine Road Improvements, Harrison County, Mississippi. *Mississippi Department of Transportation.* Project Manager. Managed environmental study for a new four-lane connection between I-10 at D'Iberville and U.S. 49 at Saucier with another four-lane spur connection from this route to I-10 at Lorraine Road exit, preliminary and final design, complete right of way including title, plats and field staking.. Studied three alternatives for each route. Prepared complete environmental assessment for Federal Highway Administration approval for presentation at public hearing.

Cowan-Lorraine Road Noise Study and Report, Biloxi, Mississippi. *Mississippi Department of Transportation.* Project Manager. Managed preparation of supplemental noise study for proposed improvements to Cowan-Lorraine Road between I-10 and U.S. 90. Prepared studies in accordance with Federal Highway Administration and Department guidelines; prepared reports for inclusion in environmental assessments developed by Mississippi Department of Transportation. Considered three or four major build alternatives, each with various additional "subalternatives", for this study to improve existing route from two to five lanes.

Highway Noise Studies and Reports, Statewide, Mississippi. *Mississippi Department of Transportation.* Project Manager. Managed preparation of five noise studies statewide on a fast-track basis, in accordance with Federal Highway Administration and Department guidelines, and prepared reports for inclusion in environmental assessments compiled by Mississippi Department of Transportation. Subjects of noise studies and reports included: U.S. 49W in Humphreys County (two projects); U.S. 49 in Gulfport; Philadelphia Bypass in Neshoba County; and Cowan-Lorraine Road between I-10 and U.S. 90.

S.R. 42 Highway Noise Study and Report, Forrest County, Mississippi. *Mississippi Department of Transportation.* Project Manager. Managed preparation of a noise study for proposed improvements to S.R. 42 in Forrest County between U.S. 49 and Petal. Prepared noise studies in accordance with Federal Highway Administration and Department guidelines; prepared reports for inclusion in environmental assessments developed by Mississippi Department of Transportation.

I-55 Widening, DeSoto County, Mississippi. *Mississippi Department of Transportation.* Project Manager. Managed and performed the traffic analysis and conceptual design for widening I-55 from 4 lanes to 6, 8, and 10 lanes. Work also included the conceptual design of all interchanges and hydraulic structures to accommodate the proposed roadway. Prepared a complete environmental assessment for the project for FHWA approval for presentation at a public hearing.

I-20/Clinton-Raymond Road Interchange, Clinton, Mississippi. *Mississippi Department of Transportation.* Project Manager. Managed and performed the traffic analysis and conceptual design for improvements to this interchange to accommodate anticipated growth in traffic from new developments (MCI/World Com Headquarters) in the immediate vicinity. Work includes the study and comparison of three types of interchanges. A categorical exclusion was also prepared after a public hearing.

U.S. 84 Bypass at Collins, Collins, Mississippi. *Mississippi Department of Transportation.* Project Manager. Managed and performed the location study, development of location committee report, and environmental assessment of the U.S. 84 bypass around Collins, Mississippi. Three alternatives were studied including the bypass with full control of access. A complete environmental assessment was prepared for the FHWA.

U.S. 84 Widening, Wayne County, Mississippi. *Mississippi Department of Transportation.* Project Manager. Managed the environmental study of a proposed widening of U.S. 84 to 4 lanes from Waynesboro to the Alabama state line. Two alternatives were studied and a complete environmental assessment was prepared for the FHWA.

Highways and Bridge Designs

Single Point Urban Interchange: I-55/S.R. 463, Madison, Mississippi. *Mississippi Department of Transportation.* Project Manager. Managed design of reconstruction of I-55 and S.R. 463 interchange. Traditional diamond interchange replaced with a new underpass single-point urban interchange (SPUI). Tasks included complete roadway design, bridge type selection and design, retaining wall design and aesthetics considerations.

I-55, I-20, U.S. 49 Interchange Rehabilitation, Jackson, Mississippi. *Mississippi Department of Transportation.* Project Manager. Managed rehabilitation of major urban interchanges of I-55, I-20, and U.S. 49 in downtown Jackson. Project involved reconstruction, widening or new construction on more than 15 miles of mainline roadway, ramps, and collector/distributor roads and 27

bridges including 10 new structures. Supervised bridge design effort and development of traffic control plans for replacement, under traffic, of all existing pavement with new concrete pavement. Served as lead design engineer for all continuous, curved steel-plate girders.

I-110/U.S. 90 Interchange Bridge, Biloxi, Mississippi. *Mississippi Department of Transportation.* Design Engineer. Designed substructure for two-mile-long, continuous, cast-in-place, conventionally-reinforced, concrete box girder elevated urban freeway, I-110 with an interchange at U.S. 90. Served as project manager during construction phase and supervised resident field inspection of all conventional concrete portions of project.

I-10 Widening, Harrison County, Mississippi. *Mississippi Department of Transportation.* Project Manager. Managed design of addition of one lane in each direction along I-10 for 10 miles. Work also included widening of two pairs of interstate bridges to accommodate additional lane and shoulder including a pair of major structures over Biloxi River.

Escatawpa River Bridge, Moss Point, Mississippi. *Mississippi Department of Transportation.* Design Engineer. Designed tall approach piers and all continuous, curved steel plate girders for one-mile high-rise structure carrying S.R. 613 over Escatawpa River.

S.R. 802 Bridge Replacement, Beaufort, South Carolina. *South Carolina Department of Highways and Transportation.* Project Engineer. Prepared design for a four-lane high-rise bridge replacement project Route 802 over Battery Creek near Paris Island Marine Base. Served as design engineer for portions of superstructure and substructure and performed a complete seismic analysis and design.

I-526 Twin Bridges, Charleston, South Carolina. *South Carolina Department of Highways and Transportation.* Design Engineer. Designed twin two-lane bridges for I-526 over Beresford Creek. Work included all portions of bridge including cast-in-place flat slab superstructure and an alternate AASHTO prestressed concrete beam superstructure. Project also included seismic analysis and design of both alternates.

Nonconnah Parkway Bridges and Retaining Walls, Memphis, Tennessee. *Tennessee Department of Transportation.* Project Manager. Managed design of 12 bridges and 24 retaining walls along proposed Nonconnah Parkway. Bridge design included scour analysis for all hydraulic crossings and seismic design and analysis for all structures.

U.S. 49 W Widening, Isola, Mississippi. *Mississippi Department of Transportation.* Project Manager. Managed project consisting of adding seven miles of two new lanes parallel and adjacent to existing U.S. Highway 49W and constructing six new bridges (twin structures at three separate sites). Supervised all roadway design and completely designed all six bridges.

U.S. 78 Widening, Benton County, Mississippi. *Mississippi Department of Transportation.* Project Manager. Managed design of nine bridges for U.S. Highway 78 four-laning project. Project consisted of four hydraulic crossings of

new Highway 78 over various creeks and five grade separation structures (county roads over the new four-lane Highway 78). Performed project on a "fast-track" design basis and completed it within three months.

U.S. 45 Widening, Scooba, Mississippi. *Mississippi Department of Transportation.* Project Manager. Managed four-laning of eight miles of U.S. Highway 45. Project consisted of adding two new lanes parallel and adjacent to the existing highway and constructing six new bridges (twin structures at three separate sites). Supervised all roadway and bridge design.

S.R. 25 Widening, Carthage, Mississippi. *Mississippi Department of Transportation.* Project Manager. Managed expansion of 20 miles of S.R. 25 to four lanes under two separate construction contracts. Project consisted of adding two new lanes parallel and adjacent to the existing highway except at the southern end, where one mile of new four-lane highway on new location has been designed including a full diamond interchange with twin grade separation structures at S.R. 35. Project also consists of twin hydraulic structures and bridges at seven separate locations.

U.S. 61 Widening, Redwood, Mississippi. *Mississippi Department of Transportation.* Design Engineer. Designed one bridge on the U.S. 61 expansion to four lanes and interchange with S.R. 3. Also designed S.R. 3 bridge over Skillikilia Bayou. The bridge is a seven-span continuous structure with AASHTO prestressed concrete beams and concrete pile bents.

Cape Blossom Highway, Kotzebue, Alaska. *Alaska Department of Transportation and Public Facilities.* Design Engineer. Designed two short-span bridges on Cape Blossom Highway over Kotzebue Slough. Also designed a short-span timber bridge and a short-span wide flange steel bridge.

I-110/I-10 Interchange Highway Lighting, D'Iberville, Mississippi. *Mississippi Department of Transportation.* Project Manager. Managed interchange lighting project that included lighting analysis, conceptual design, final design, and development of construction plans and specifications for new high-mast, low-mast and underpass lighting of this major interstate interchange of I-10 and I-110 and a short section of I-110.

S.R. 25 Widening, Winston County, Mississippi. *Mississippi Department of Transportation.* Project Manager. Managed and designed the widening of 12 miles of S.R. 25 from two to four lanes. Project consists of adding two new lanes parallel and adjacent to the existing highway except for a 2-mile relocation (all four new lanes) around Indian Springs Church. Project also includes the rehabilitation of the existing two lanes and replacement of twin bridges over Noxapater Creek.

S.R. 42 Widening, Forrest County, Mississippi. *Mississippi Department of Transportation.* Project Manager. Managed the design of the widening of approximately 15 miles of S.R. 42 between I-59/U.S. 49 to Petal, Mississippi. With three separate construction contracts. Project includes development of a four lane divided facility generally on new location with a major bridge over the Leaf River. The urban section of the project includes widening the existing

highway from two to five lanes and utilizing a curb and gutter shoulder treatment.

U.S. 84 Widening, Wayne County, Mississippi. *Mississippi Department of Transportation.* Project Manager. Managed the design of the widening of approximately 10 miles of U.S. 84 from Waynesboro to the Alabama state line. Project includes four lanes of new location for approximately four miles while the remainder includes two new lanes parallel and adjacent to the existing two lanes. The project also includes replacement of twin bridges over the Bucatunna Creek.

Destination Broadwater, Biloxi, Mississippi. *President Casinos, Inc.* Transportation Manager. Managed the design of a highway interchange on U.S. 90 for access to a proposed \$2 billion gaming and resort facility on the scenic Mississippi Gulf Coast. The interchange provides access to hotels, retail areas and a convention center to the north and to gaming sites and hotels to the south. The project includes a major grade separation structure over U.S. 90 and elevated and at-grade roadways throughout the entire facility.

Industrial

Warehouse Foundation, Pascagoula, Mississippi. *D.D. Davis.* Design Engineer. Designed building foundation of a large cold storage warehouse in Pascagoula, Mississippi. Project included prestressed concrete piles and cast-in-place concrete grade beams.

Terminal D Warehouse, Pascagoula, Mississippi. *Jackson County Port Authority.* Project Manager. Managed design of a 160-foot (clear span) by 600 foot warehouse and transit shed associated with Terminal D. Project included access ramps, truck docks, access bridges (bascul) for forklifts over adjacent rail spurs, parking, and fire protection system.

Industrial Water Supply System, Pascagoula, Mississippi. *Jackson County Port Authority.* Design Engineer. Designed foundations for several tanks, buildings, clarifiers, clearwells, and pump stations at water treatment plant expanded from 25 MGD to 37 MGD.

West Jackson County Land Treatment Facility, Ocean Springs, Mississippi. *CH2M-Hill.* Lead Structural Design Engineer. Designed all buildings and pump stations at West Jackson County Land Treatment Facility and Lagoons.

Chemical Plant Warehouse Modifications, Panama City, Florida. *Arizona Chemical Company.* Design Engineer. Designed eleven-story equipment support structure and industrial warehouse expansion at chemical plant. High-rise structure included an all structural steel frame with either steel grate or cast-in-place concrete floors.

Papermill Access Road, Prattville, Alabama. *Union Camp Corporation.* Project Manager. Managed design of a new 3,000-foot wood truck access road to Union Camp papermill in Prattville, Alabama. The road is two lanes wide and is one-way for wood trucks only entering the mill. At mill entrance are two truck

scales and a combination guard house and weigh station. Project also included roadway lighting, drainage and security fencing.

Municipal (Streets, Water, Sewer)

North State Street Widening, Jackson, Mississippi. *City of Jackson.* Project Engineer. Prepared bridge design in connection with widening of North State Street, a major arterial street, from two to five lanes. Project involved 8,000 feet of roadway from County Line Road to Briarwood Drive and included two AASHTO prestressed concrete beam bridges over creeks. Served as project manager during construction phase and supervised resident field inspection of all construction including widening of roadway and replacement of bridges while maintaining traffic.

Water Treatment Plant Access Road, Jackson, Mississippi. *City of Jackson.* Project Manager. Managed construction phase of 5,000-foot-long access road from Spillway Road (Lake Harbor Drive) to new O.B. Curtis Water Treatment Plant. Project included construction of a new two-lane roadway to provide access for employees and service vehicles.

Water Distribution System Improvements, Jackson, Mississippi. *City of Jackson.* Project Manager. Managed design of three miles of new 12-inch water line along County Line Road and Highland Colony Parkway. Project included tie-ins to City's existing water distribution system, fire hydrants, and stub-outs for future expansion.

Port Facilities

Terminal C Open Wharf, Pascagoula, Mississippi. *Jackson County Port Authority.* Design Engineer. Designed a 700 foot by 185 foot open concrete wharf in deep water (38 feet) along Pascagoula River. Project consisted of a cast-in-place concrete deck supported by driven prestressed concrete piles.

Terminal D Open Wharf, Pascagoula, Mississippi. *Jackson County Port Authority.* Project Manager. Designed a 730 foot by 185 foot open concrete wharf in deep water (38 feet) along the Pascagoula River. Project consisted of a cast-in-place concrete deck supported by driven prestressed concrete piles. Also served as project manager during construction of the project and supervised all resident construction inspections.

Terminal G Extension Open Wharf, Pascagoula, Mississippi. *Jackson County Port Authority.* Project Manager. Managed design of a 730 foot by 120 foot open concrete wharf on east bank of the Bayou Casotte Harbor. Project consisted of a cast-in-place concrete deck supported by driven prestressed concrete piles.

Solid Rocket Motor Barge Dock Facility, Stennis Space Center, Mississippi. *Rust International.* Project Manager. Managed design of a bulkhead and dock to load and unload Advanced Solid Rocket Motors (ASRM) at the Stennis Space Center. Work included a feasibility study to select optimum type of dock for this unique function. Work also included complete design of facility including steel

sheet-pile bulkheads, concrete deck and relieving platforms, and mooring and breasting dolphins.

Railroads

Rail Spur Bridges, Sheridan, Wyoming. *Shell Oil Company.* Design Engineer. Performed complete design of four railroad bridges over various creeks and streams for rail spur into its mining operation.

Quarterly Railroad Inspections, DeLisle, Mississippi. *E.I. DuPont DeNemours & Company, Inc.* Project Manager. Managed and performed overall project coordination for quarterly inspection of trackwork, bridge, trestles, and car storage yard at DuPont's titanium dioxide plant. Supervised preparation of quarterly inspection report that contains recommendations regarding maintenance, rehabilitation and other improvements to tracks and rail yard.

Terminal D Rail Spur, Pascagoula, Mississippi. *Jackson County Port Authority.* Project Manager and Design Engineer. Managed design of two 1,500-foot-long industrial rail spurs adjacent to Terminal D open wharf and backup warehouse.

Steel Mill Lead Track and Storage Yard, Blytheville, Arkansas. *Nucor/Yamato Steel Corporation.* Project Administrator. Supervised surveys, mapping and design of a one-mile lead track and a seven-track storage yard for a \$300 million steel mill.

Industrial Rail Spur, Byram, Mississippi. *Hinds County Board of Supervisors.* Project Manager and Lead Design Engineer. Managed design of two 1,700-foot-long industrial rail spurs in South Jackson Greater Industrial Park to serve Double G Coatings, Inc. facility.

Right of Way

U.S. 45 Widening, Clarke County, Mississippi. *Mississippi Department of Transportation.* Project Manager. Managed acquisition of property along approximately 30 miles of new highway, U.S. 45. Work included title research and investigation, preparation of right-of-way plats, deeds, and other instruments, field staking of proposed right of way, testing structures for hazardous materials, negotiations, acquisition, and relocation assistance. Performed total project under three separate construction contracts (10 miles each).

U.S. 84 Widening, Wayne County, Mississippi. *Mississippi Department of Transportation.* Engineering Manager. Managed the design of the widening of approximately 10 miles of U.S. 84 from Waynesboro to the Alabama State line. Project includes four lanes of new location for approximately four miles while the remainder includes two new lanes parallel and adjacent to the existing two lanes. The project also includes replacement of twin bridges over the Bucatunna Creek and right-of-way title abstracts, plats and field staking. Right-of-way appraisal maps and deeds were prepared in Metric and English units.

U.S. 84 Bypass, Collins, Mississippi. *Mississippi Department of Transportation.* Engineering Manager. Managed the location study and all

roadway design and development of preliminary (right of way) and final (construction) roadway plans. The work included a location study, preparation of the Environmental Assessment (and securing a FONSI), and preliminary and final roadway and bridge and preparation of plans, complete right-of-way services including title abstracts, plats, and deeds and field staking.

S.R. 25 Widening (North Project), Winston County, Mississippi. *Mississippi Department of Transportation.* Engineering Manager. Baker provided complete engineering services for the four-laning of approximately ten (10) miles of S.R. 25 from six miles north of the Louisville Bypass to the Oktibbeha County Line. Services provided include complete field surveys for design, photogrammetric mapping of project corridor for design purposes (cross-sections, digital terrain model, earthwork calculations, and planimetric features), complete roadway and bridge design (preliminary through final), and preparation of plans and specifications including right-of-way title abstracts, plats and field staking.

S.R. 25 Widening (South Project), Winston County, Mississippi. *Mississippi Department of Transportation.* Engineering Manager. Managed and designed the widening of 18 miles of S.R. 25 from two to four lanes. Project consists of adding two new lanes parallel and adjacent to the existing highway except for a 2-mile relocation (all four new lanes) around Indian Springs Church. Project also includes the rehabilitation of the existing two lanes and replacement of twin bridges over Noxapater Creek, final roadway and bridge design, right-of-way title abstracts, plats and field staking

Cowan-Lorraine Road Extension, Harrison County, Mississippi. *Mississippi Department of Transportation.* Engineering Manager. Project involved the addition of 13 Kilometers of new four-lane highway. Metric surveys were accomplished by the use of total stations with electronic data collectors, conventional and electronic level instruments and GPS units. Surveys consisted of control traverses, vertical control, topographic and hydrographic surveys, property line surveys, and right-of-way surveys. Title abstracts were provided; and right-of-way appraisal maps and deeds were prepared in Metric and English units.

I20/Clinton-Raymond Road Interchange, Clinton, Mississippi. *Mississippi Department of Transportation.* Engineering Manager. Managed and performed the traffic analysis and conceptual design for improvements to this interchange to accommodate anticipated growth in traffic from new developments (MCI/World Com Headquarters) in the immediate vicinity. Work includes the study and comparison of three types of interchanges. Preliminary and final design for Phase 1 and complete right-of-way services including title abstracts, plats, deeds, field staking, property appraisals, acquisitions and relocation assistance.

Specialized Experience

Training

"Fundamentals (Tools) of Project Management," Michael Baker Jr., Inc., Coraopolis, Pennsylvania, 1994-1998.

"FHWA Bridge Inspectors Training Course," Mississippi Department of Transportation, Jackson, Mississippi, 1997.

Teaching

Teaching Assistant, Civil Engineering, Massachusetts Institute of Technology, Cambridge, Massachusetts, September 1979 - May 1981.

Presentations

DeLeeuw, David N. "I-55/S.R. 463 Single Point Urban Interchange." Presentation made to the Mississippi Engineering Society, Winter Meeting, Jackson, Mississippi, February 26, 1999.

DeLeeuw, David N. "I-55/S.R. 463 Single Point Urban Interchange." Presentation made to the Mississippi Transportation Conference, Biloxi, Mississippi, October 21, 1998.

DeLeeuw, David N. "I-55/S.R. 463 Single Point Urban Interchange." Presentation made to the Deep South Section of the Institute of Transportation Engineers, Annual Meeting, Vicksburg, Mississippi, October 9, 1997.

Honors and Awards

Young-Engineer-of-the-Year, 1986, Mississippi Engineering Society
Mississippi Young-Civil-Engineer-of-the-Year, 1991, American Society of Civil Engineers
Engineer-of-the-Year, 1996, Mississippi Engineering Society

Professional Affiliations

American Society of Civil Engineers
National Society of Professional Engineers
Sigma Xi Research Society
Mississippi Engineering Society
Institute of Transportation Engineers
Chi Epsilon Civil Engineering Honorary Fraternity
Tau Beta Pi Honorary Engineering Fraternity