

**Professional Summary:**

Mr. Durden's professional career consists of structural engineering experience in the areas of building design, bridge design, retaining wall design, and residential/commercial building structural investigations.

**Areas of Expertise:**

- Forensic and Failure Analysis
- Weather-Related Damage Analysis
- Steel Design
- Reinforced Concrete Design
- Wood Design
- Post-Tensioned Concrete Design
- Foundation Design
- Curtain Wall Design
- Cast-in-Place Retaining Wall Design
- Cost Estimating

**Licenses and Certifications:**

Professional Engineer, Arkansas, No. 20817

Professional Engineer, Texas, No. 136987

**Project Experience:****EFI Global, Inc., Arkansas & Texas  
Structural and Forensics Projects**

Investigate residential and commercial buildings for areas of damage or failure resulting from tornadoes, water intrusion, vehicle impacts, hailstorms, windstorms and fires.

**The Vue Apartments, Fayetteville, AR  
Structural Engineering – Third Party Design Review**

Design engineer responsible for determining the wind loading and the shear capacities of buildings as shown in the plans to determine whether higher than anticipated lateral movements of the buildings after construction, and resulting cracks in interior finishes, were the result of under-design or improper construction.

**XNA Access Road, Springdale, AR  
Structural Engineering – New Design**

Project manager responsible for the design of the superstructure and a portion of the substructure for dual structure grade separations along the new access road to the Northwest Arkansas National Airport. Superstructure design involved curved and skewed design for steel plate girders.



Substructure design involved setting the footing elevations of the reinforced concrete piers for multiple future roadway conditions for the road being spanned and vehicle impact loads for the piers.

### Professional Experience:

EFI Global, Fayetteville, AR – Field Office  
Forensic Structural Engineer  
September 2023 – Present

Garver Engineers, Fayetteville, AR  
Project Manager  
June 2018 - September 2023

Frank W. Neal & Associates, Fort Worth, TX  
Design Engineer  
October 2017 – June 2018

Modjeski & Masters, New Orleans, LA  
Engineer in Training – Structures  
May 2016 – June 2017

### Specialized Education:

ACI Concrete Field-Testing Technician – Grade I

### Education:

Master of Science in Civil & Environmental Engineering, University of New Orleans, New Orleans, LA, 2015

Bachelor of Science in Mechanical Engineering, University of Arkansas, Fayetteville, AR  
2013