



GENE CAPPS, P.E.  
CIVIL ENGINEER

### PROJECT EXPERIENCE

**Roadway Rehabilitation, Bridgeport, TX** - Responsible for rehabilitation design and project management for roadways throughout the city (Henderson St., Hovey St., Main St., Shirley St., Vine St., Edgewood Dr. Robinhood St., Nottingham Cir., Woolton Ave., Edison St., & 24 Intersections in the older area of the City). This project included selective driveway, curb and gutter replacement, construction of valley gutters for storm drain conveyance, and pavement rehabilitation. Services for this project also involved routine project field inspections to supply project status reports to City officials.

**Roadway Construction - Church Street Realignment, Colleyville, TX** - Responsible for engineering design for realigning an older segment of Church Street with a newer portion of the roadway by means of a tight reverse curve design with super elevation. This project included ROW acquisition, TxDOT permitting, signal modifications to SH 26 / Church Street intersection, water, sewer, paving, and storm drain improvements. Additionally, a hydrologic and hydraulic study was performed on Pleasant Run Creek to size a culvert bridge.

**Dry Creek Sewer Sanitary Sewer Construction, Bridgeport, TX** - Responsible for engineering design for 19,650 linear feet of sanitary sewer consisting of 21", 16", 15", 8" gravity sewer pipe, a 350 GPM lift station and 6" pressure main. Funding for the project was achieved through a low interest loan granted by the TX Water Development Board (TWDB). In return TWDB required design approval by their engineers, the Corp of Engineers, TX Historical Commission, TX Parks & Wildlife, US Fish & Wildlife, and North Central TX Council of Governments.

**Public Safety Building, Bridgeport, TX** - Responsible for engineering design for a 2.55 acre site for a 10,000 SF public building. Design consisted of site layout, drainage analysis, grading, erosion control, utility extensions, parking, and fire department access.

**Hazardous Waste Processing Facility at the Lockheed Martin Facility, Fort Worth, TX** - Site development involving utility, earthwork, and pavement design for a 2,000 SF Hazardous Waste Processing Facility and 800 SF barrel storage area. The building's purpose is to receive, inspect, sort and store hazardous waste from various functions at Air Force Plant #4. Included in the project were Civil Site work plans, and extensive utility requirements. Coordination with the Mechanical and Architectural designers were required to ensure the utility site work coincided with their plans and avoided conflicts in such a crowded utility area. The Hazardous Waste Building is adjacent to a drainage way, therefore a grading plan was created which promotes positive drainage away from the building and set the building's finished floor's elevation above anticipated flooding elevations in the channel. Lastly, the pavement design connected proposed pavement to existing site pavement and specified a heavy duty, 8" thick reinforced concrete section which would support industrial traffic.

**2005 Capital Improvements Project 'B', City of Bridgeport, TX** - Civil engineer for the project to rehabilitate approximately 5,700 LF of residential roadway. Project plans and specifications called for the existing asphaltic roadways to be mill/pulverized, mixed with the underlining soils, stabilize with the addition of lime or cement based on geotechnical testing, reshaped with the crown of the roadway and finally overlaid with new asphalt pavement. Curb & gutter where selectively reconstructed where the infrastructure had failed.

### Experience:

Baird, Hampton & Brown, Inc.: 2005  
Years Prior Experience: 0

### Education:

The University of Texas at Arlington /  
B.S.C.E. / 2004 / Civil Engineering

### Registration:

TX / 2009 / Civil Engineering

**Bio:** Mr. Capps began his career at BHB as a Graduate Civil Engineer. He now serves as one of BHB's licensed experienced project engineers for a variety of commercial, industrial, residential, and municipal projects throughout the DFW metroplex and surrounding areas. He is knowledgeable in site development, water resources, conveyance systems, environmental engineering, and fluid mechanics. Design Software: Auto CAD, Land Development Desktop, AutoDesk Civil Design, HEC-RAS, & EPA NET.