

RB CIVIL ENGINEERING

Engineering. Webster's defines it as "the application of science and mathematics by which the properties of matter and the sources of energy in nature are made useful to people". What does that mean to you and where do we fit in? At Ruggles & Bohm, we help design the roads you drive on, the neighborhoods you live in, the means to get water to your home and other elements of everyday life that you may not see- things that are useful to people.

Civil Engineering Services

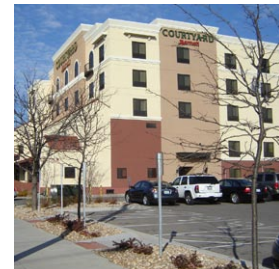
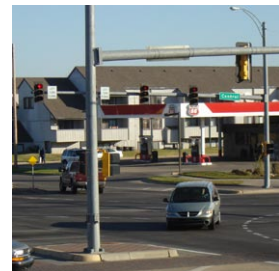
- / Roadway Design
- / Storm Sewer Systems
- / Sanitary Sewer Systems
- / Water Distribution Systems
- / Drainage Studies
- / FEMA, NPDES, DWR, and USACOE Permitting
- / Construction Staking and Inspection
- / Grading/ Drainage Plans
- / Land Development Planning
- / Erosion Control Plans

Engineering Capabilities

Ruggles & Bohm, P.A. provides a wide range of civil engineering services related to land development and infrastructure improvement. Engineering capabilities of Ruggles & Bohm include the design of major arterial streets, collector and local roadways, water distribution systems, sanitary sewer systems, storm water drainage systems, storm water detention facilities and site grading plans. Some of our recent municipal clients include the City of Wichita, the City of Winfield, the City of Newton, the City of Wellington, the City of Hesston, the City of Derby, and the City of Manhattan.

Ruggles & Bohm believes in utilizing the best technology to allow us to do our job better. For that reason, we have also invested in AutoCAD® Civil 3D®, an advanced software application that allows us to explore projects even deeper and more accurately than before. Using building information modeling (BIM), a growing trend across the nation among design firms of all sizes, the software can create dynamic 3-dimensional models of a project or site, from which we can create more accurate earthwork calculations, make changes dynamically to storm sewer pipe routes, and even help identify conflicts between underground infrastructure- to name but a few of the myriad of capabilities of Civil 3D®. It allows us to do our job better, quicker, and even more accurately, which provides even stronger and more economical projects for our clients- and we're leading the way in south central Kansas in implementing this software.

Ruggles & Bohm is registered through CCR and has completed ORCA certification for Federal projects. We are registered in Civil Engineering (NAICS 541330), Surveying (541370), and Landscape Architecture (541320). Contact us for more information on how we can help your team through Independent Technical Review (ITR) or design services.



Solutions. Beyond Expectation.





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Representative Projects

Residential Design

- / Bellechase Addition
- / Brentwood South Addition
- / Cambria Addition
- / Carriage Crossing Addition, Maize
- / Casa Bella Addition
- / Cedar Creek Addition, Junction City
- / Cedar Glen, Manhattan
- / Chisholm Pointe Addition, Park City
- / Clearidge Addition
- / Crestview Heights Addition, Wellington
- / Emerald Bay Addition
- / Emerald Springs Addition, Maize
- / Fawn Grove Addition
- / Prairie Hills Addition, Park City
- / Prairie Lakes Addition, Manhattan
- / Red Rock Village Addition
- / Sawmill Creek Addition
- / Sierra Hills Addition
- / Southwest Passage Addition
- / Sycamore Pond Addition
- / Tara Falls Addition
- / Valencia Addition
- / West Embers, Hesston
- / Wheatridge 2nd Addition, Newton
- / Whispering Lakes Addition
- / Willow Creek Addition

Roadway Projects

- / 13th and Broadway Intersection Improvements, City of Wichita
- / Broadway Avenue, from Kansas to I-135, City of Newton
- / Buckner, K-15 to Meadowlark, City of Derby
- / Central, Woodlawn to Rock Road, City of Wichita
- / Central and Ridge Road Intersection and Approach Improvements, City of Wichita
- / Greenwich, Harry to Pawnee, City of Wichita
- / Harry, Greenwich to 127th Street East, City of Wichita
- / Maple and Sycamore Street Improvements, City of Wichita
- / McLean Boulevard, Taft to Seneca, City of Wichita
- / Old Town Streets/ Old Town Square, City of Wichita
- / Oliver Street, from 25th Street to 37th Street North, City of Wichita (KDOT Local Project)
- / Woodlawn and Mainsgate Intersection, City of Wichita

Infrastructure Projects

- / 12 inch Force Main, Main 1, Northwest Interceptor, City of Wichita
- / 24 inch Sanitary Sewer Main along 21st Street North, City of Wichita
- / Boyd Street Drainage Channel, City of Newton
- / Corporate Lakes Flood Study, City of Wichita
- / First-Second Street Drainage, City of Wichita
- / Garrison Water Line Replacement District, City of Wichita
- / Grandview Area Drainage Study, City of Newton
- / Pine Bay Water Distribution Project, City of Wichita
- / Riverside Water Line Replacement District, City of Wichita
- / Sawmill Creek Addition Storm Water Drainage Project, City of Wichita and Sawmill Creek, L.L.C.
- / Southwest Passage Drainage Study, City of Wichita

Some projects in categories noted with an asterisk (*) were done in cooperation with another local architect.

Site Plans/ Parking Design*

- / Bethel College Residence Hall and Science Hall
- / Catholic Diocese Parking Lot, Central & Broadway
- / Courtyard Marriott Old Town
- / FlightSafety/Hawker Beechcraft Expansion
- / Hartman Arena Parking Lots, Park City
- / Holiday Inn Express -Airport
- / Hyatt Regency Hotel / Century II public parking lots
- / Northeast Library and Police Station, Wichita
- / Old Cowtown Living History Museum, Wichita
- / Old Town Parking Lot (Kansas Paint)
- / Old Town Public Parking District (5 lots)
- / Old Town Square
- / Public Parking Lot at 1st & Washington
- / Towne East Mall Parking Lot Modifications
- / Sedgwick County Juvenile Detention Parking and Drainage
- / Sumner County Law Enforcement Detention Center
- / Waterman and Mead Public Parking Lot

Education Design*

- / Wichita Independent School Site plans
- / USD 259/ Wichita, SE High School addition site
- / USD 259/ Wichita, North High School addition site
- / USD 265/ Goddard, Plat school sites
- / USD 265/ Goddard, Administration addition site
- / USD 266/ Maize, Central Maize MS site plans
- / USD 267/ Renwick, Building additions (4 sites)
- / USD 367/ Sterling, HS and elem. Additions sites
- / USD 373/ Newton, Building additions (6 sites)
- / USD 385/ Andover, Meadowland addition site
- / USD 385/ Andover, HS addition site
- / USD 385/ Andover, Middle School Addition
- / USD 396/ Douglass, High School addition
- / USD 440/ Bentley, Elementary addition site
- / USD 440/ Halstead, Middle School addition site

Bike and Pedestrian Trail Design

- / Bicycle/Pedestrian Path along K-96, Oliver to City Limit (Construction Engineering and Staking), City of Wichita
- / Bicycle/Pedestrian Path from Grove Park to Oliver, City of Wichita
- / Gypsum Creek/ I-35 Bicycle/Pedestrian Path, City of Wichita
- / Little Arkansas Bicycle/Pedestrian Path 13th to 21st, City of Wichita
- / Midtown Greenway / Bicycle/Pedestrian Path, City of Wichita
- / North I-135 Bicycle/Pedestrian Path, City of Wichita
- / South Kansas Avenue Bicycle/Pedestrian Path, City of Newton

Athletic Facility Design*

- / USD 102/ Cimarron, Athletics site
- / USD 262/ Valley Center, HS/MS athletics sites
- / USD 385/ Andover, High School Athletics
- / USD 396/ Douglass, Athletic site
- / USD 507/ Satanta, Athletic site
- / Arkansas City Sports Complex and Master Plan
- / Bethel College Athletic Facility
- / Cowley College Track and Field Facility



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