

JUDY CONSTRUCTION CO.

Brochure

2020



COMPANY

OVERVIEW

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Judy Construction Company (JCC) was formed in 1974 in Cynthiana, Kentucky by Larry Judy. Larry formed JCC after years of leading a large-scale heavy civil construction team at Hinkle Contracting. After 39 years at the helm, in 2013 Larry succeeded his position of President to his son Steve.

Our hands-on management style, along with the variety of expertise on our teams, allows for an efficient and result oriented business model that has consistently put JCC at the top of the Industry. We offer our clients an unprecedented level of access to our teams and experience. JCC prides itself on anticipating shifts and trends within the Industry and how to capitalize on behalf of our clients. This forward-thinking approach is why we have ranked in the top 200 Environmental Contractors in the United States by the Engineering News-Record for the past 17 years.

Our portfolio of past projects includes; water and wastewater treatment facilities, commercial and institutional buildings, industrial buildings, industrial facilities, and highway construction.

In 1986 we began to realize a shift in revenue concentration in the construction of water and wastewater treatment facilities. Since our inception, we have completed more than 200 water and wastewater treatment projects. Many of our 80+ completed water treatment projects, have included raw water intakes, many of them precarious.

We recognize our most valuable asset is our people. Our current company profile is comprised of 165 employees, of which 60 have been with JCC for over 10 years.



SAFETY & RISK MANAGEMENT

SAFETY-RISK MANAGEMENT

Judy Construction Company views Safety-Risk Management as a top priority. JCC employs two full time Safety Directors who are responsible for enforcing safety policies and protocols.

- Danny Howard, Safety Director
- Drew Jones, Assistant Safety Director

ISNetwork: Independent Safety Consultant JCC EMR Rating 0.71 (Effective 4/30/20)

*ISNetwork respectively audits the Company's safety procedures and policies. They actively assess policies and track our safety performance by monitoring our OSHA recordable ratios.

BONDING CAPACITY

CNA Sureties Aggregate Capacity: \$400,000,000

Single Project Limit: \$200,000,000

Fleet: 100% Owned Large Fleet

Judy Construction Co. has not utilized any financing/ borrowing of any kind for over 20 years.

President, Judy Construction Company
Cynthiana, KY

STEVE
JUDY

EDUCATION:

Bachelor of Science in Construction Management, 1986
Eastern Kentucky University
Richmond, KY

WORK EXPERIENCE:

2013 to Present: President
Judy Construction Company, Cynthiana, KY
1987 to 2013: Vice President & Project Manager
Judy Construction Company, Cynthiana, KY
Responsibilities include estimating and project management of water treatment and wastewater treatment plant projects. Projects range from \$500,000 to \$32,000,000. Managed more than forty successful projects.

PROFESSIONAL AFFILIATIONS:

Associated Builders and Contractors of Kentucky
Associated General Contractors of Kentucky – Served and received award
for Joint Committee of the Year “Kentucky Cabinet for Natural
Resources & Environmental Protection” – Current Board member
Eastern Kentucky University – Construction Management Education – Advisory
Committee
Kentucky Association of Highway Contractors (KAHC) – Board member since 2014

CIVIC ACTIVITIES:

Harrison County Memorial Hospital – Past Board Member and
Chairman
Cynthiana Christian Church – Deacon
Battle Grove Cemetery – Past Board Member and Chairman
YMCA, Paris, KY - Past Board Member
Field & Main Bank – Board Member

JIM COWLEY

POSITION:

Secretary/Treasurer, Judy Construction Company
Cynthiana, KY

EDUCATION:

Bachelor of Science in Accounting, 1979
University of Kentucky
Lexington, KY

WORK EXPERIENCE:

1992 to Present: Secretary/Treasurer, Controller & EEO Officer
Judy Construction Company, Cynthiana, KY
Responsibilities include EEO compliance, finances, accounting, insurance program, DBE monitoring, administration, asset management system and qualification statements.
Elected Treasurer in March 2013 / 1990 to 1992: Area Administrator
Hinkle Contracting Corporation, Paris, KY
Responsible for the management of all administrative and accounting functions of the largest division / 1986 to 1990: Controller Schenck Companies, Lexington, KY Responsible for accounting, financing, surety program, EEO compliance, administration and insurance program / 1979 to 1986: Assistant Controller Hinkle Contracting Corporation, Paris, KY Responsible for daily cash requirements and investments, data processing department, financial statements, and budgeting.
PROFESSIONAL ORGANIZATIONS: Construction Financial Management Association
Kentuckiana Minority Suppliers Development Council

BEN WILLIAMS

POSITION:

Vice-President, Judy Construction Company
Cynthiana, KY

EDUCATION:

Bachelor of Science in Construction Technology, 1989
Eastern Kentucky University
Richmond, KY

CERTIFICATION: Ky. Licensed Master Plumber – License # M 5851

WORK EXPERIENCE:

2013 to Present: Vice President
Judy Construction Company, Cynthiana, KY, Responsibilities include overseeing all Project Management on Water/Wastewater projects and Heavy Construction Equipment logistics / 1996 to 2013: Project Manager Judy Construction Company, Cynthiana, KY. Responsibilities include estimating and project management of water treatment and wastewater treatment plant projects. Projects range from \$500,000 to \$32,000,000 / 1990 – 1996: Superintendent / Project Manager 3D Enterprises Contracting Corporation, Lexington, KY, Responsibilities include project management and field supervision of water and wastewater treatment plant projects / 1989 – 1990: Estimator James Anderson & Son, Inc. Mechanical Contracting, Richmond, KY, Take-off, estimating and assisting in bidding commercial and industrial mechanical projects.

PROJECT: DANVILLE, KY WATER TREATMENT PLANT EXPANSION
OWNER: CITY OF DANVILLE, KY

ENGINEER: HDR ENGINEERS BRENT TIPPEY
(859) 629-4800
BRENT.TIPPEY@HDRINC.COM

BID AMOUNT: \$23,789,000.00
FINAL CONTRACT AMOUNT: \$23,988,669.00
FUNDING: KENTUCKY INFRASTRUCTURE AUTHORITY AND RURAL
WATER ASSOCIATION

DANVILLE

DESCRIPTION:

The Danville, KY Water Treatment Plant consisted of the renovation and expansion of the water treatment plant and raw water pump station that was already in operation in order to increase the capacity to 12 million gallons per day. Judy Construction Co.'s work included: Demolition of the existing flocculation and sedimentation basins; improvements at the water plant and the intake sites including concrete paving and driveway to facilitate large vehicle deliveries, architectural fencing and site security; construction of new flocculation and sedimentation basins; renovation of existing Raw Water Intake including: replacing raw vertical turbine pumps, site improvements, electrical and HVAC upgrades; Renovations and improvements to the existing Filter Building including: converting the existing filter rooms to administrative spaces, renovation and expansion of the operations offices and laboratory; construction of a new Granular Activated Carbon (GAC) building with four contactors, pipe gallery, and approximately 500,000 pounds of carbon; construction of a new Mixed Oxidant Generation System; construction of a new Chemical Building with bulk storage tanks and transfer & metering pumps for six chemical systems; construction of a 1.4 million-gallon Clearwell; and construction of a new Filter Building with six new mixed media filters, three high service pumps, one backwash pump, and pipe gallery.

KEY COMPONENTS: The main hurdle during the Danville project was to maintain a safe and efficient worksite while allowing the existing facility to actively operate in parallel. In order to maintain this critical work balance, Judy Construction Co. imparted our company's rigorous protocol to effectively perform daily tasks and safety procedures.

During required Blasting within 20LF of the existing Filter Building to facilitate construction of the New Clearwell, we used techniques involving standard blasting methods and non-standard chemical blasting. Demolition of the existing Clearwell and Flocculation Basin was performed while the plant was in full operation. This included numerous pipe tie-ins, capping, and temporary structural support under the existing Filter Building.

By following adequate phasing and startup procedures, the new Clearwell piping was successfully combined with the existing piping, and the changeover of the existing 100' tall vertical turbine pumps at the Intake structure were both achieved without loss of water to the City of Danville.

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“The Value Engineering on this job was remarkable. Not only were we ahead of schedule, with over 60 VE options, the project came in under budget”

Steve Judy, President – Judy Construction Co.

PROJECT: LOGAN-TODD REGIONAL WATER COMMISSION WATER
TREATMENT PLANT AND HIGH SERVICE PUMPING STATION

OWNER: LOGAN-TODD REGIONAL WATER COMMISSION

ENGINEER: STRAND ASSOCIATES

SCOTT STEARNS

(608) 251-4843

SCOTT.STEARNS@STRAND.COM

BID AMOUNT: \$28,560,000.00

FINAL CONTRACT AMOUNT: \$26,905,678.00

FUNDING: KENTUCKY INFRASTRUCTURE AUTHORITY

KEY PERSONNEL

PRINCIPAL: LARRY JUDY

VICE PRESIDENT: STEVE JUDY

PROJECT MANAGER: BEN WILLIAMS

SUPERINTENDENT: DARRYL WELLS

ASSISTANT SUPERINTENDENT: CLINTON JONES

DESCRIPTION:

The Logan-Todd Regional Water Treatment Plant and High Service Pumping Station, serving two counties in Kentucky, was a Ground-up water treatment plant build for Judy Construction Co. This was the very first Regional Water Treatment Plant in the State and the first Membrane Water Treatment Plant in the State. JCC cleared the new site to prepare for the required water, sewer, and storm sewer utilities, and constructed a 20 million-gallon River Water Storage Basin. The Basin provided a constant source of water to the plant for production purposes. Also installed were: the pretreatment pumping station consisting of four 5.5 MGD vertical turbine pumps, Rapid mix consisting of two 2-stage vertical turbine rapid mixers, Flocculation Basins consisting of 4 trains and 4 vertical turbine mixers, Sedimentation Basins, Intermediate Pumping Station with four 6.5 MGD horizontal centrifugal pumps, Membrane filtration, Chlorine Contact/Clearwell with two 1.5 MG tanks, High Service Pumping Station with six vertical turbine pumps, three 3 MGD pumps servicing Logan County, and three 2 MGD pumps servicing Todd County.

KEY COMPONENTS:

This project consisted of extensive coordination during all building stages. At that time there was no frame of reference for this type of work in Kentucky. The Judy Construction team traveled to Wisconsin to review an example of a finished project of similar type. Complex Structural steel framing with pre-cast wall panels at the Membrane building required close coordination. Pipe excavation in excess of 25 ft. deep, which was not the standard on most projects, was necessary and the amount of Chemical feed piping required was much more extensive than the standard. Challenging soil conditions along with a varying water table also created daily challenges. The project was completed 4 months ahead of schedule. This was a direct result of efficient team management. With a crew of this size, specific and consistent communication is the key to ensuring work optimization and goal benchmarks throughout the various phases. Using and managing our own fleet of equipment was also key in maintaining the startup and work schedules.

PROJECT: Lexington Fayette Urban County Government (LFUCG)

OWNER: Lexington Fayette Urban County Government

BID AMOUNT: Series of multiple bids

FINAL CONTRACT AMOUNT: \$122,429,924

FUNDING: Kentucky Infrastructure Authority

DESCRIPTION:

Over the last 6 years Judy Construction Co. worked on a project series related to the Lexington-Fayette Urban County Government (LFUCG) consent decree Storm Water Infrastructure Program. The project consisted primarily of large storm water holding structures which served as Combined Sewer Overflow (CSO) designed by numerous engineering firms and program managed by Hazen/Sawyer; Mr. John Schubarth was LFUCG's point of contact and is a reference for this work. There were only two projects within the "civil" portion of the consent decree work that JCC was not awarded.

KEY COMPONENTS:

Each of LFUCG's jobs had their own challenges and successes. Town Branch CSO project had a 54" diameter RCP gravity line which had to be supported with beam and lagging while laying the new ductile iron pipe storm sewer line. Once this line was placed, JCC went into by-pass operations of the TB WWTP and performed a 50 million GPD by-pass manned 24 hours a day, seven days a week, until all tie-ins and miscellaneous structures were built. The bypass operation went off without a hitch. The wastewater plant operated successfully during the entire bypass meeting daily permit requirements.

Wolf Run CSO project was not a large dollar value project nor was the CSO tank large in capacity but the project was held to a very tight site. We literally had to start in the back of the site and work our way out while excavating the 30 feet deep pump station. Another challenge was the soft and wet soil conditions. The job was built in a swamp. The CSO tank had to be undercut and approximately 2,000CY of lean concrete was poured in a consecutive lift over a 16-hour period.

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Town Branch Digester Removal project was unique as it wasn't a typical project as there were 3 80 ft diameter steel digester lids which had to be removed one at a time; one replaced with a membrane bubble component and the other two were removed, set on piers and inspected by Evoqua. The removal of the lids was difficult as the distance of reach was long and required 650-ton crane to remove each lid. Once removed JCC had to remove some sections of the digester lid and set back into place. Obviously, safety and team coordination were a huge factor in providing this work.

West Hickman Wet Weather Storage project was the largest CSO consent decree project LFUCG let in their 6-year span. JCC was successful bidder and worked closely with the owner to provide over a million dollars in VE options to bring this project to within budget. The project consisted of a 70 MGD Influent Pump Station, an 80 MGD Wet Weather Pump Station and a 22MGD Wet Weather Storage Tank. One of the biggest challenges was the entire job was in limestone rock. Pump stations were 55 ft deep with groundwater present the entire time. Large diameter force mains and gravity sewers were laid and numerous large valves; some over 54" diameter installed in various valve pits. The project duration was 3 years with numerous man hours along with a total of 80 employees of JCC and various subcontractors help complete the City of Lexington's largest job let on record.

Judy Construction Co. worked tirelessly with Hazen-Sawyer, the City of Lexington, and LFUCG to complete these projects on time and within budget. On numerous occasions Hazen-Sawyer along with the City of Lexington called on JCC to assist with long term constructability options and also assisted with estimates on several of these projects prior to bidding. Our relationship continues to grow with both entities as we help them reach their goals in this consent decree endeavor.



Judy Construction Co. Previous Experience

Project Name	Owner	Design Engineer	Year Completed	Description	Contract Price
Lexington, KY West Hickman Wet Weather Storage	Lex-Fay Urban Co Govt Lexington, KY Bob Peterson (859) 425-2438	Tetra Tech Lexington, KY Herb Lemaster (859) 223-8000	2019	New Headworks Facility, 70 MGD Influent PS, 80 MGD Wet Weather PS, 22 MGD Wet Weather Storage Tank	\$59,822,500
Bowling Green, KY Wastewater Treatment Plant Expansion	Bowling Green Municipal Utilities Mike Garner (270) 535-4366	Gresham Smith Nashville, TN Mike Burgett (615) 770-8531	2012	Exp. from 10 to 12 MGD Wastewater Trt. Plant & Class A BioSolids Dryer Facility	\$51,055,533
Knoxville, TN New Melton Hill Wastewater Treatment Plant	West Knox Utilities Knoxville, TN Drexel Heidel (865) 690-2521	GRW Engineers, Inc. Nashville, TN Lewis Robbins (615) 366-1600	2020	New 6 MGD Wastewater Treatment Plant	\$41,255,000
Louisville, KY Nightingale Pump Station and CSO Storage Basin	Louisville & Jefferson County MSD Greg Powell (502) 540-6000	HDR Engineers Louisville, KY Kyle Guthrie (502) 909-3249	2018	New 33 MGD Pump Station & 7.7 MGD Below Grade Concrete Storage Basin	\$34,004,002
Eastern Regional New Wastewater Treatment Plant	Sanitation Dist #1 of Northern, KY Chris Novak (859) 578-6885	GRW Engineers, Inc. Lexington, KY Brad Montgomery (859) 223-3999	2008	New 10 MGD Wastewater Treatment Plant	\$32,401,493
Pigeon Forge, TN New Wastewater Treatment Plant	City of Pigeon Forge Pigeon Forge, TN Mark Miller (865) 429-7312	Smith Seckman Reid Nashville, TN Herby Rader (615) 347-0815	2015	New 6 MGD Wastewater Treatment Plant	\$31,083,760
Richmond, KY Otter Creek New Wastewater	Richmond Utilities Richmond, KY Scott Althausen	CDP Engineers, Inc. Lexington, KY Alan Robinson	2010	New 8 MGD Wastewater Treatment Plant	\$30,638,157

Experience cont'd

Maryville, TN Const Mgmt	City of Maryville, TN	J.R. Wauford & Company		CMAR	
Wastewater Treatment	Maryville, TN	Nashville, TN	2010	Expansion from	\$30,599,224
Treatment Plant	Baron Swafford	Kevin Young		10 to 17 MGD Wastewater	
Expansion	(865) 273-3304	(615) 883-3243		Treatment. Plant	
Logan-Todd	Logan Todd Regional Water Comm	Strand Associates, Inc.			
Regional Water	Guthrie, KY	Madison, WI	2003	New 10 MGD Regional	\$26,905,678
Treatment Plant	Kyle Kenner	Scott Sterns		Membrane Filtration	
	(270) 483-6990	(608) 251-4843		Water Treatment Plant	
Danville, KY	City of Danville	HDR Engineers			
Water Treatment	Danville, KY	Lexington, KY	2017	Exp.from 10 to 12 MGD	\$23,988,669
Plant Expansion	Earl Coffey	Brent Tippey		Various Filtration Systems	
	(859) 326-0787	(859) 629-4831			
Somerset, KY	Somerset Water Department	Bell Engineering			
Water Treatment	Somerset, KY	Lexington, KY	2014	Exp. From 4 to 16 MGD	\$22,732,469
Plant Expansion	Dana Whitis	David Schrader		Membrane Filtration	
	(606) 425-5364	(859) 278-5412			
Knoxville, TN	West Knox Utilities	GRW Engineers, Inc.			
Daugherty Water	Knoville, TN	Nashville, TN	2014	Exp. From 2 to 8 MGD	\$17,292,026
Treatment Plant	Drexel Heidel	Lewis Robbins		Membrane Filtration	
Upgrade	(865) 690-2521	(615) 366-1600			

Kentucky American Water Projects

Russell Cave Tank & Pump Station	Kentucky American Water	Quest Engineers			
Fayette County, Kentucky	Lexington, KY	Lexington, KY	2005		\$830,070
	Shannyn Walker	Rob Williams/			
	(859) 269-2386	Michael Galavotti			
Briar Hill	Kentucky American Water	Quest Engineers			
Booster Pump Station	Lexington, KY	Lexington, KY	1999		\$364,244
Lexington, KY	Tom Friley	Ken Holbrook (deceased)			

Employees:

Employee development, promotion, and compensation are integral components of the success of Judy Construction Co. We have one of the longest running profit sharing programs of anyone in our field and believe that the reciprocated loyalty we share with our employees directly affects the quality and efficiency of our finished work.

Estimating:

Our long running estimating program dates back to the early 60's when the founder, Larry Judy was working large scale jobs out in Dayton, OH. This long running experience with estimating has carried into the 21st century. We run a cost accounting model that is continually updated. In Larry Judy's own words, "This is the Bible to build your job"! Steve Judy has continued this tradition and further enhanced the Company's estimating arm, thus leading to tremendous strides and success for Judy Construction Co.

Project Leads:

Our team of project managers are elite in both work ethic and education. They consist of graduates of some of the top construction management and engineering colleges. Our in-house professional engineers enable JCC to provide value engineering.

Design/Build:

Judy Construction Co. has to date participated in the design/build of three major Wastewater facilities and one Water Treatment Plant that required significant synergy with both the engineers and the client.

JCC's huge fleet of 100% owned (no lease) equipment has been one of our key components in remaining competitive compared to companies that pass through their leasing fees directly to clients.

JUDY CRITICAL SUCCESS FACTORS



Middle Fork Raw Water Intake 2012 Constructing Raw Water Intake for the City of Abingdon VA.

Snapshot: 25 Person Crew, 18 months, Completion on time Complexity

Factor: Hand excavate 250 ft tunnel in solid rock to accommodate 54-inch diameter piping. Construction of large size Cofferdam (120x80) and 25+ ft deep. Key Challenge: Corp of Engineers raised the lake level with a deadline of May 1st. Project raced against time to complete prior to deadline to avoid flooding and avoid completion extension to the following year.

Critical Success Notes: Our extensive experience in estimating marine type construction was evaluable in overcoming the imposed deadline from the Corp of Engineers. Management was able to make strong decisions onsite and adapt to the changing situation quickly pulling from our vast knowledge base. With a relatively small crew, the Team implemented round the clock scheduling and efficient work schedules to successfully complete the project and avoid and costly extension of work completion that would have been delayed until the following year.



BOWLING GREEN

Bowling Green Water - Municipal Utilities Water Treatment Plant
Furnishes water to the city of Bowling Green and Warren Co. Water district
(5th largest County in KY)

Snapshot: 60+ Crew currently Projected project length 30 months (currently in year 1) 47.1M

Complexity Factors: Site size constraints. Limited staging areas Key Challenge: Relocating an existing 72-inch diameter storm drain that required closing down the busiest bypass and road in Bowling Green. This effort required intense coordination with City, Highway Department, Hospital, and Engineers. This relocation was executed with multiple shifts around the clock on a 24/7 rotation until completed.

Critical Success Notes: Our Project Manager has worked tirelessly to further develop our longstanding history with Bowling Green municipal. This working relationship with the City has allowed for a seamless line of communication and flow of information. The approach for all our project managers is always to build productive relationships with local government and include them in our planning in a very granular way. This collaborative model which is a signature of Judy Construction Co. has proven beneficial time and time again. During the labor-intensive pipe relocation process, the local government was extremely accommodating to our needs. This is a direct result of the earnest relationship that our Project Manager has carefully nurtured from inception.

JUDY

Construction Co.

— CYNTHIANA, KY. —

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