



ENGINEERING SERVICES



EBH
EBHengineering.com

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Team



Great Bend

Kathy Vopat

KathyV@EBHengineering.com

O: 620.793.8411

M: 620.786.6713

1105 Williams

Great Bend, KS 67530



Cimarron

Joel Krossschell, PE

JoelK@EBHengineering.com

O: 620.855.7030

M: 620.338.1225

123 South Main Street

Cimarron, KS 67835



Goodland

Andrew Brunner, PE

AndrewB@EBHengineering.com

O: 785.899.7019

M: 785.220.8234

596 Airport Road

Goodland, KS 67735

Team

Neodesha

Paul Stoner
PaulS@EBHengineering.com
O: 620.325.5000
M: 620.205.7546
PO Box 267
Neodesha, KS 66575



Pratt

Michael Younger, PE
MikeY@EBHengineering.com
O: 620.672.1112
M: 785.650.7272
306 South Main Street
Pratt, KS 67124



Hillsboro/Marion

Darin Neufeld, PE
DarinN@EBHengineering.com
O: 620.947.3700
M: 785.821.1040
105 Main Street
Hillsboro, KS 67063
O: 620.381.2122
500 East Main
Marion, KS 66861



Firm History and Profile

“EBH has helped us with grant funding for our trail projects and also getting funding and meeting federal compliance on our airport projects. Their staff is knowledgeable, friendly, and helpful quickly responding to questions or issues.”

Bradley Pendergast,
City of Scott City

“EBH developed unique and creative methods to address the fast-track nature of our project. 100% of the project goals were reached. I would work with EBH again as they delivered on-time solutions to our project.”

John Garris,
City of Independence

HISTORY

Robert Evans and Gail Bierly established Evans & Bierly Engineers in Great Bend in 1951, with Stuart Hutchison joining in the mid-1960's to form EBH (Evans-Bierly-Hutchison) & Associates, PA. Over the past 65 years, we have continued to grow and develop throughout the State of Kansas, strategically adding offices where our clients need us most. Over these years, we have provided the highest level of engineering, surveying, planning, and construction oversight services to our private, industrial, municipal, and state government clients.

With seven office locations across Kansas, we pride ourselves on continuing to offer our clients personal attention, coupled with the highest level of technology and state-of-the-art design. Our staff includes qualified professionals licensed in Kansas and Colorado, as well as state and nationally certified inspectors. EBH specializes in Municipal Engineering, working with communities day-to-day as their City Engineers, as well as completing extensive public works improvements.



Firm History and Profile

Professional Memberships

Kansas Rural Water Association
Kansas Association of Airports
Kansas Consulting Engineers
American Water Works Association
American Council of Engineering Companies
Kansas Society of Professional Engineers
National Society of Professional Engineers
American Society of Professional Engineers
Young Transportation Professionals



“The City of Elkhart has worked with EBH for over 10 years on grant application services, streetscape, water, and waste water projects. They are great about following up before, during, and after the project. EBH staff attends council meetings and answers questions, being engaged during the entire process from design to completion. We will continue to work with and recommend EBH, because they are reliable, helpful, and knowledgeable.”

Tim Hardy
City of Elkhart

Services



"I have worked with EBH for over thirty years. They are professional, courteous, and knowledgeable engineers who provide great solutions to our projects and respond to my questions quickly."

Brock Sloan,
City of Oakley



EBH provides a full range of Civil Engineering services to primarily municipal, but also state, private, and non-profit organizations.

Planning

- Airport Planning & Master Plans
- Comprehensive & Master Plans
- Opinions of Probable Cost
- Feasibility Studies
- Drainage Studies
- Infrastructure Evaluation & Planning
- Asset Management Plans
- Water System Studies
- Preliminary Engineering Reports
- Access Management Plans
- Transportation Planning

Municipal & Site Development

- Waterlines & Distribution Systems
- Water Storage & Pumping
- Water Treatment
- Water Wells
- Sanitary Sewer Systems
- Sanitary & Storm Water Lift Stations
- Wastewater Treatment
- Site & Subdivision Development
- Mapping
- Plan & Study Reviews
- On-Call City Engineering

Transportation

- Airport Improvements
- Street & Highway Improvements
- Streetscapes & Beautification
- Brick Street Rehabilitation
- Pedestrian & Bicycle Facilities
- Safe Routes to School
- Signing & Striping
- Traffic Analyses & Studies
- Traffic Data Collection

Services

Construction Oversight

Design-Build
Contract Administration
Construction Inspection
Soil Compaction Testing
Concrete & Asphalt Testing
Asbestos Testing

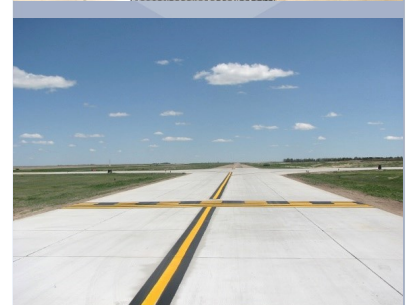
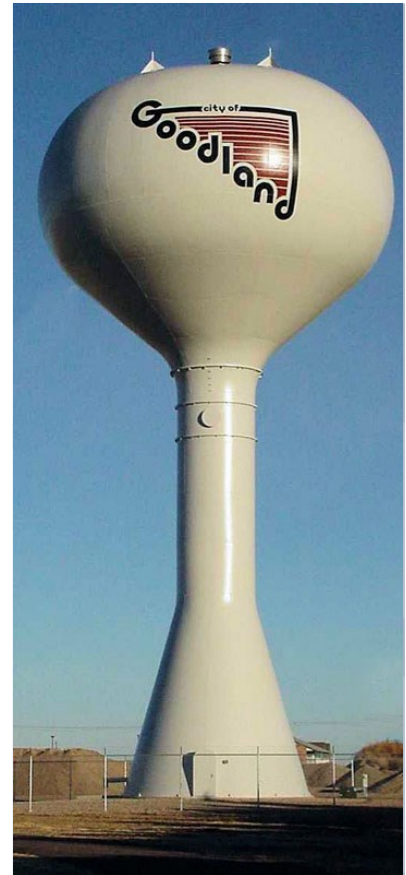
Surveying

Drone-LIDAR
GIS Mapping
Boundary
Right-of-Way & Easements
Topographic
Subdivision Platting
Construction Staking
Elevation Certification

Preliminary Engineering for Grant and Funding Applications

EBH assists communities in obtaining project funding which include:

- CDBG
- FAA
- Wildlife & Parks
- State Revolving Fund
- USDA Rural Development
- USDA Emergency Community Water Assistance Grant
- Bonds
- Sunflower Trails
- KDOT
 - Aviation
 - Access Management
 - Economic Development
 - CCLIP (formerly KLINK and Geometric Improvements)
 - Transportation Alternatives
 - Safe Routes to School
 - Cost Share Program



Firm Qualifications

SERVING KANSAS COMMUNITIES

Working with Kansas communities on a long-term basis and serving as their City Engineer, has been our entire business model for over 73 years. With regional offices strategically located throughout the state, Kansas communities are not an afterthought, we share in their goals and successes. Not only do we work in the communities, *we live here*. This allows us to provide a unique perspective with an understanding of local issues and a level of concern that is unmatched.

Building relationships with our communities, we assist them with both day-to-day advice and planning, as well as large scale improvement projects.

While a summary of our project experience is included in the following pages, the “small things” are more difficult to list but are an essential part of the service we provide our long-term clients. These “small things” include day-to-day phone calls, meetings, grant applications, development reviews, signing recommendations, mapping updates, and site visits.

The following client list includes a few of the communities we provide “on-call” engineering services, most of whom we have served for over 20 years, and other project types we’ve completed for those communities.

Client Experience

	On Call Engineering	Wastewater	Water	Transportation	Airport	Land Development	Community Enhancement	Surveying	Mapping	Construction Oversight	Project Funding and Grant Application	Structural	Drainage
City of Almena													
City of Andale													
City of Anthony													
City of Ashland													
City of Bogue													
City of Cimarron													
City of Clifton													
City of Colby													
City of Conway Springs													
City of Cottonwood Falls													
City of Elkhart													
City of Elk City													
City of Ellinwood													
City of Elmdale													
City of Fowler													
City of Goessel													
City of Goodland													
City of Haviland													
City of Hillsboro													
City of Holcomb													
City of Holton													
City of Independence													
City of Inman													
City of LaCrosse													
City of Leoti													
City of Lincolnville													
City of Lyons													
City of Marion													
City of Meade													
City of Minneola													
City of Montezuma													
City of Mullinville													
City of Oakley													
City of Peabody													
City of Plainville													
City of Pratt													
City of Scott City													
City of Severy													
City of Spearville													
City of Stafford													
City of Stockton													
City of Tribune													

Firm Qualifications

TECHNICAL BACKGROUND

EBH has a long history of successfully planning, designing, and overseeing construction of municipal projects in nearly all aspects of municipal infrastructure. Our experience and entire business is focused where you truly need it the most. This is our core business. At EBH, the same engineers are involved from planning and design, through construction oversight, and supporting our clients long after construction has ended, providing a unique one-on-one experience where we truly create partnerships with our clients.



FUNDING AND REGULATORY AGENCIES

EBH has a long history assisting municipalities to obtain the resources necessary to fund and execute successful projects. EBH engineers have developed close working relationships with grant writers, municipal financial advisors, funding agencies and review personnel to reach win-win design solutions and maximize the use of local funds.



EBH is KDOT prequalified for major and minor facility design, surveying, and inspection/testing. We also have an “As-Needed Agreement for Engineering and Technical Services for Local Public Authority (LPA) Projects” with KDOT, allowing us to perform construction engineering services on KDOT funded local projects without the local entity having to carry out a consultant selection process. Since 1990, EBH has completed over **130** KDOT funded projects for local municipalities.



STAFF CERTIFICATIONS

KDOT Certified Inspection
KDOT Right of Way Certification
ACI Concrete Field Testing Technician
Nuclear Density Testing
Asbestos Inspection Certification
OSHA Occupational Safety & Health Training

***“We have worked
with EBH
Engineering for
many years, and we
have a trusting
relationship with
them. EBH has
continually saved us
money on projects
by only designing
what we need.”***

Carol Sibley,
City of Minneola

On-Call Engineering



ON-CALL ENGINEERING

EBH on-call services are dynamic in nature, where our offerings are constantly changing and evolving based on the needs of the client. EBH will provide both project support and day-to-day support as desired by the City. Non-project specific services which may be included in providing general on-call engineering services includes but is not limited to:

- Attendance at council and staff meetings, as requested
- Engineering reviews for submitted utility plans, site plans, subdivisions, and developments
- General engineering consultation and assistance for technical issues regarding municipal facilities, infrastructure, and operations, via telephone, virtual or on-site, as warranted
- Coordinate technical issues such as permitting and regulatory requirements
- Input and generation of short, medium, and long-term planning
- Project planning and feasibility studies
- Formulating engineer's opinions of probable cost (OPCs)
- Development of or assistance with grant applications
- Assist with technical issues
- Assisting with traffic engineering public requests and complaints
- Mapping
- Standards development

"I would recommend EBH to any Kansas town looking for a customer focused engineering firm."

Matt Stiles,
City of Hillsboro



With our long history of working and living in rural Kansas, we have not typically promoted "on-call" services contracts, as our long-term relationships have not warranted such official contracts. EBH will provide initial project planning, estimating, and funding application, with the knowledge that the legwork provided will evolve into projects where a fair engineering fee can be earned. For more intensive tasks such as new mapping, certain extensive grant applications, formal feasibility studies, rate studies, surveys, special assessment district preparation, standards development, etc., a lump sum fee or time and materials agreement is negotiated for the work dependent on the scope.



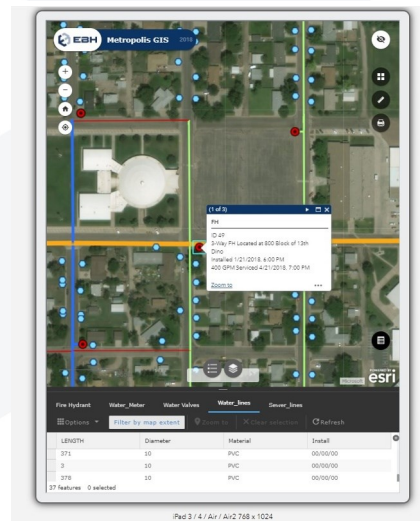
As the planning phases develop into specific projects, EBH will be available to see the projects through all aspects, from assistance in securing funding, to providing design, administering the bidding, and providing on-site construction oversight.

Surveying

SURVEYING

EBH surveyors play an integral role in project land development, from the planning and design of land subdivisions to the final construction of a wastewater, water, transportation, airport, land development, or community enhancement project. Our surveying department uses the latest technology available to provide rapid, accurate data to both clients and contractors. Our Surveying Services include:

- Construction Staking
- Flood Plain Development
- Right-of-Way
- Municipal Boundary Surveys
- Easement Surveys
- Subdivision Platting and Re-platting
- Topographic and Profile Surveys
- Alignments
- GIS Mapping
- ALTA/ACSM Certifications
- As-built Surveys



Commercial Drone Services

EBH Engineering provides FAA licensed drone services to our clients and contractors through our surveying department. By using a drone, we save our clients time and money. We capture images and video that allows our clients to make more informed decisions about their properties. We are authorized to use drones professionally. Our ability to utilize this technology in conjunction with our competitive, multi-faceted services provides tremendous value to our clients. With drone technology, we are taking civil engineering and land surveying to a literally higher level. Our commercial drone services include:

- Aerial Photography
- Aerial Inspections
- Construction Site Progress
- Aerial Topography (volume and quantities)



Mapping

EBH helps communities gather and maintain data all in one place and provides a mapping product to fit their needs. This compiling of information into one, easy to use format provides the best solution to gaining a full understanding of communities' existing systems, both for maintenance operations and for future planning. EBH provides several levels of mapping services depending on the needs of the community.

References

EBH works very closely with the following communities. Please feel free to contact any of these references, as well as any other communities listed on our experience pages to discuss our dedication, reputation, ability to meet schedules and budgets, and the quality of our work.

Cyndra Kastens, City Clerk

City of Anthony
620.842.5960
Ckastens@AnthonyKansas.org

Mary Volk, City Clerk

City of Goodland
785.890.4500
Mary.volk@cityofgoodland.org

Matt Stiles, City Administrator

City of Hillsboro
620.947.3162
mstiles@cityofhillsboro.net

Russ Rambat, Public Works Director

City of Pratt
620.672.5571
RRambat@cityofprattks.com

Warren Wright, Public Works Director

City of Montezuma
620.846.2267
montezumacity@gmail.com

Tim Hardy, City Administrator

City of Elkhart
620.697.2171
cityadministrator@elkhart.com

John Garris, Engineer

City of Independence
620.332.2542
engineer@independencesks.gov

References

“Working with EBH has been a great experience. Their knowledge, professionalism, and response time are second-to-none. EBH is going to take care of you ”

Leann Hughes, City of Oakley



“EBH has a wide range of skills and are experts in their industry. Always willing to answer questions and help me with the airport compliance requirements, EBH is helpful and reliable. I would recommend them.”

Ruth Beck, City of Scott City



“We’ve worked with EBH Engineering for many years and utilized many of their engineering, surveying, and grant application services. They are our hometown experts who understand our citizens and our culture that live here and work here.”

Matt Stiles, City of Hillsboro

Project Experience—Transportation

Street & Utilities

Pratt Main Street

The City of Pratt partnered with EBH to completely rehabilitate the City's downtown US-281 corridor over a 5-year period. Improvements spanned four separate projects.

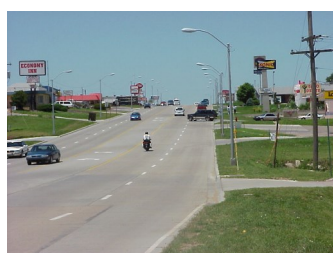
- 5 blocks of waterline main, service lines, and water meters were replaced.
- EBH then assisted the City with obtaining simultaneous KDOT KLINK and Geometric Improvement funds for reconstruction of 5 blocks with over 13,500 square yards of concrete pavement.
- Finally, KDOT Transportation Alternatives funds were secured for a streetscape project to improve the off-street facilities, aesthetics, and put a finishing touch on the downtown rehabilitation.



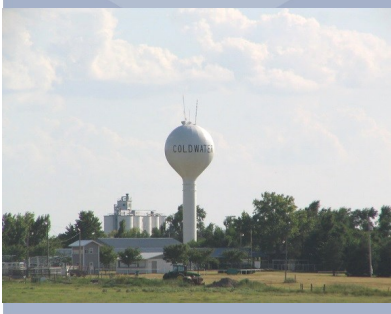
In total, over \$3 million were invested into Main Street downtown. EBH performed planning, funding applications, design, construction contract administration, and construction oversight for the improvements.

RELATED PROJECTS

- Goodland Street Improvements, 2020
Local Bonds, Construction Cost: \$2,500,000
- Hillsboro Street Projects, 2012-2019
Local Bonds, KDOT Geometric, Safe Routes to Schools, Transportation Alternatives,
Construction Cost: \$6,470,000
- Cimarron US 50 CCLIP, 2021
KDOT Access Management, Construction Cost: \$450,000
- Pratt US-54 CCLIP, 2021
KDOT Geometric Improvement, Construction Cost: \$750,000
- Goodland 19th Street Reconstruction, 2015
KDOT Economic Development, Construction Cost: \$900,000



Project Experience—Water



Independence Water Transmission Line Improvements

EBH Engineering was selected to provide preliminary engineering and design services for a high-capacity water transmission line and pump station to service a new soybean-crushing facility outside Independence, Kansas. Construction had already begun on the new \$400- million facility, and when the original water supply fell through, securing a new water source became a mission critical task. The City of Independence, Bartlett Grain and EBH Engineering collaborated to design the nine-mile transmission line in record time, so the facility could open on schedule. The plant provides an important source of feedstock for producing renewable fuels, food products, and animal feed.



EBH Engineering also provided construction engineering observation and staking services on this project. The construction observation team played a vital role by providing communication between contractors, engineers, stakeholders, and the community. EBH assisted the owner with initial start-up and training, handled the construction staking, and conducted the survey layout. EBH also oversaw the field testing of the HPDE pipeline to ensure a resilient and dependable product was delivered to the City.

RELATED PROJECTS

- Anthony Water System Improvements, 2017
Construction Cost: \$8.9 million, Scope of Work: Water Tower, Water Plant Upgrades, Water Storage Tank, Water Well Rehabilitation
- Bogue Water System Improvements, 2014
Construction Cost: \$1.6 million, Scope of Work: Water Tower, waterlines.
- Haviland Water System Improvements, 2016
Construction Cost: \$1.9 million, Scope of Work: Water Treatment Plant, waterlines, water well rehabilitation.
- Pleasanton Water System Improvements, 2015
Construction Cost: \$3.1 million, Scope of Work: Water Plant upgrade, Clearwell storage replacement, water distribution improvements.

Project Experience—Land Development

Harper County Growth Initiative

EBH coordinated and collaborated with KDOT, KDHE and the Cities of Anthony and Harper in the development of these land projects. These projects were part of a joint effort sponsored by the Harper County Community Foundation (HCCF) known as the “HPCO Growth Initiative”, which was awarded a 2022 BASE Grant by the Kansas Department of Commerce.



The four projects included:

Sycamore Development – Harper, KS: This new 14 lot housing development required construction of new water, sewer and street infrastructure. Storm water runoff was also engineered and constructed for this development.



Airport Industrial Development – Harper, KS: The engineering services included pumping station, sewer utilities and the sewer main was extended from the water treatment plant, approximately 1,500’ north of the industrial park.

Harper Business Park – Harper, KS: This undeveloped property had a concrete apron constructed to provide access, as well as additional dirt work to reduce flooding and for addressing storm water runoff.



Sunrise 2nd Addition – Anthony, KS: This is a new 16 lot single family housing, up to 6 lot multi-family housing and 5 lots for commercial development was engineered and constructed to include a pumping station, water, sewer and street infrastructure, and drainage improvements.



RELATED PROJECTS

- Ellinwood North Channel Bridge Channel, 2018
Construction Cost: \$85,000
- Goodland Arby's & 25th Street Development, 2015
Construction Cost: \$235,000 (street only)
- Hunters Glen 122 Lot Subdivision, 2021
Construction Cost: \$1.3 million

Project Experience—Waste Water



"EBH Engineering has been a pleasure to work with on our city projects. They have a wide range of skills and are experts in their industry. I would recommend working with EBH because they are supportive, friendly, and approachable."

Ruth Beck, City of Scott City

Sanitary Sewer Systems

Pratt WWTF Improvements

EBH was selected by the City of Pratt, Kansas to engineer a \$3 million wastewater treatment facility improvement project. The project was constructed using KDHE State Revolving Loan funds and qualified for grant funds based on its energy efficiency.

The scope of work included a new biosolids handling facility, maintenance shop, and SBR upgrades. EBH developed an innovative high purity oxygen system to replace the gas fired boiler and convert the anaerobic digesters to an aerobic process. The system uses less energy and does not require the large and loud blowers of a typical aeration system.

RELATED PROJECTS

- Goodland Sewer Headworks Upgrade, 2015
Construction Cost: \$850,000, Scope of Work: New sewer plant headworks, automatic stair screen and grit removal, flow measurement device, division structures, precast concrete building, new SCADA system.
- Rush Center WWTF Improvements, 2015
Construction Cost: \$790,000, Scope of Work: Replacement of mechanical plant with non-discharging lagoons, force main, lift station.
- Stockton Wastewater Treatment Facility, 2014 Construction Cost: \$4.3 million, Scope of Work: Replacement of mechanical plant with non-discharging lagoons, screening and pumping facility, 5-mile force main, ozone odor treatment, golf course irrigation.
- Lacrosse Wastewater Treatment Facility, 2012
Construction Cost: \$1.8 million, Scope of Work: Replacement of mechanical plant with discharging lagoons, lift station, force main, odor control system, future irrigation provisions.

Project Experience—Community Enhancements

Streetscape & Beautification

Marion Streetscape

The City of Marion, Kansas selected EBH to engineer a \$1.15 million downtown beautification project. EBH provided complete design and construction engineering services for the project. Starting with public meetings and the development of concept drawings, EBH worked closely with the City to develop the successful KDOT grant application.

EBH provided complete project survey, design services, construction engineering, and construction inspection services. With KDOT Transportation Alternatives funds, the project included replacing curbs, gutters, and sidewalks. New light poles and signage was installed throughout the downtown area.

RELATED STREETSCAPE PROJECTS

In Design Phase:

- WaKeeney TA Streetscape Improvements, 2022
KDOT Transportation Alternatives Program
Construction Estimate: \$1.41 million
- Ellinwood TA Streetscape Improvements, 2022
KDOT Transportation Alternatives Program
Construction Estimate: \$1.16 million

Completed Projects:

- Ashland Streetscape, 2023, KDOT Transportation Alternatives
Construction Cost: \$2,109,000
- Cimarron Streetscape, 2023, KDOT Transportation Alternatives
Construction Cost: \$1,780,000
- Little River Streetscape, 2016, KDOT Transportation
Alternatives, Construction Cost: \$810,000
- Pratt Streetscape, 2015, KDOT Transportation Alternatives,
Construction Cost: \$900,000
- Minneola Streetscape, 2014, KDOT Transportation
Enhancement, Construction Cost: \$500,000
- Hugoton Downtown Streetscape, 2010, KDOT Transportation
Enhancement, Construction Cost: \$1.0 million



Project Experience—Community Enhancement



“EBH has even made us aware of grant opportunities that have benefited our city regarding street and trail projects for our community. I would recommend working with EBH because they are supportive, friendly and approachable.”

Ruth Beck,
City of Scott City



Marion Streetscape, 2020

Imagine walking through your community’s downtown and feeling proud. The American flag is waving, citizens are patronizing businesses, kids are laughing and playing, and traffic is flowing smoothly. As a citizen of this community, you are happy to see your tax dollars spent wisely investing in your town. The revitalization of the City of Marion’s downtown first phase was all this and more.

The City wanted to connect the high traffic Central Park to downtown creating connectivity with a historic period theme. They wanted to provide a uniform look for the downtown business district and called EBH Engineering to design and oversee the construction. A KDOT Transportation Alternative grant assisted in the funding of the project.

The first phase of the Marion Downtown Revitalization project included:

- 4 blocks of updating main street in the business district
- Replacing sidewalk, curb and crosswalks to ADA standards
- Constructing ADA accessibility to all business entrances
- Creating pedestrian protection zones at each traffic intersection
- Replacing homely, outdated streetlights with historical period themed energy efficient LED lighting for pedestrians and vehicle traffic
- Adding benches and trash cans in high traffic areas throughout downtown

Pedestrian & Bicycle Facilities

Cost Share funding available through KDOT and KDWP Programs

RELATED TRAIL PROJECTS

- Colby Villa High Park Improvements, 2020, Wildlife and Parks Trail Project, Construction Cost: \$267,000
- Goodland Topside Trail, 2020
Wildlife & Parks Trail Project
- Wakeeney Swimming Pool Park Trail, 2019
Wildlife & Parks Trail Project
- Hugoton Raydene Park Trail Project, 2014
Wildlife & Parks Trail Project
- Cimarron City Park Trail Project, 2013
Wildlife & Parks Trail Project

Project Experience—Airport

Goodland Reconstruct Runway 5-23

The Goodland Municipal Airport and EBH partnered to complete a major reconstruction runway project. The existing 3,500' asphalt runway was completely removed and reconstructed with concrete adding an additional 500' on the 23 end. The subbase was reconstructed utilizing the asphalt milling removed from the surface. All the lights were replaced with new LED lights. Relocation of FAA owned PAPI was also part of the project.



RELATED PROJECTS

Anthony Airport

- 2022 Install AWOS & Replace Beacon, \$200,000
- 2022 Rehabilitate Turf Runway, \$300,000
- 2020 Land Acquisition & Clear Runway 36 RPZ, \$200,000
- 2018 Runway 17-35 Extension, \$1,058,037
- 2016 Land Acquisition & Design for Runway Extension, \$250,000
- 2014 Airport Layout Plan & Environmental Assessment
- 2013 Runway Reconstruction, \$1,676,000

Meade Airport

- 2022 Replace AWOS, \$150,000

Goodland Airport

- 2022 Construct Hangar Taxiway, \$200,000
- 2020 Update Airport Layout Plan
- 2015 Renner Field Airport Master Plan Update
- 2012 Reconstruct Taxiway & Apron, \$1,027,355

Scott City Airport

- 2018 Construction of T-Hangars, \$657,465
- 2016 T-Hangars, \$670,000
- 2014 Construct MIREL-REIL-PAPI, \$304,000
- 2013 New Light Vault, Apron & Taxiway Lighting, \$300,000

Cimarron Airport

- 2021 Reconstruct Apron, \$600,000
- 2019 Install Fueling System, \$110,000
- 2017 Construction of New Relocated Runway, \$2,364,531
- 2015 New Runway Design, \$250,000
- 2012 Land Acquisition, \$175,000

Oakley Airport

- 2022 Construct New Airport Entrance, \$400,000
- 2017 Airport Master Plan, \$225,000
- 2016 Install Jet A Fueling, \$146,800
- 2015 New Runway Design, \$160,000

