



LAND SURVEYING
TRANSPORTATION AND UTILITY ROUTE



AMERICAN
STRUCTUREPOINT
INC.

“ American Structurepoint did a fantastic job completing the topographic survey on an extremely aggressive schedule. They completed over 25 miles of topographic survey in less than four months, despite fighting brutal weather conditions. ”

Jim Earl, PE, Project Manager
Indiana Department of Transportation



Established in 1966, American Structurepoint has become one of the most recognized firms in the Midwest.

From assisting in the development of roads and bridges; wetland delineations; and construction of large and small commercial, retail, and mixed-use centers, American Structurepoint is a leader in surveying all aspects of the environment.

Services

- » 3D Laser Scanning
- » ALTA/NSPS Land Title Surveys
- » Construction Staking
- » Geospatial
- » Hydrographic Surveys
- » Land Acquisition
- » Phase I Environmental Assessment
- » Property Condition Assessment
- » Right-of-Way Services
- » Topographic and Boundary Surveys
- » Transportation and Utility Route Surveys
- » Utility Coordination

Equipment

- » 3D Laser Scanners
- » Digital Levels
- » Fully Robotic Total Stations
- » Latest Dual-Frequency GPS Receivers with GNSS



LASER
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Making it easy and efficient to get from place to place is a critical factor in improving—and defining—the built environment.

Our survey crews are experts at collecting the information necessary for our engineers to plan and design road and bridge improvements or new construction. Many utility providers, including gas pipeline companies, sanitary districts, and communications companies, call upon American Structurepoint to properly lay out their routes in the field.

HIGHWAY, STATE ROADS, CITY STREETS

SANITARY, STORM, AND WATER MAIN DESIGN

POWER AND GAS PIPELINE ROUTE SURVEY

Early utility coordination takes the guesswork out of utility conflicts and resolutions.

Headed by a professional engineer, our DOT-certified utility coordinators are backed by an experienced team of right-of-way and land agents. The team's design background and grasp of plan details is vital for quickly resolving utility conflicts and determining efficient relocations before construction. This continually results in the maximum recovered costs for our clients.

Our subsurface utility engineering team gives a complete picture and eliminates surprises down below.

Our trained specialists use the latest subsurface utility engineering technology to safely locate and accurately map underground utilities. This technology includes radio frequency, acoustic, sonic magnetic sensing, GPR, and nondestructive vacuum excavation equipment.

ILLIANA CORRIDOR LAKE COUNTY, INDIANA

American Structurepoint provided technical procurement advisor services, utility coordination, land acquisition, and surveying services (topographic, LIDAR, boundary, transportation route, and right-of-way) for the new construction for the Indiana portion of the Illiana expressway. Our 50-member crew used terrestrial and high accuracy airborne LiDAR/photogrammetric survey methods to a compressed 3-month schedule. The project area encompassed 3,500 acres, 25 miles of highway, and 15,000 linear feet of waterways. The project included GIS mapping/analysis, photo image analysis, digital ortho-photo generation, photogrammetric mapping/production, and collection and processing of LiDAR data.





**I-69 PROJECT DEVELOPMENT SERVICES,
NEW INTERSTATE CONSTRUCTION
MONROE/MORGAN COUNTY, INDIANA**

American Structurepoint provided full topographic survey services for the portion of I-69 Section 5 that spans from Bloomington to Martinsville. A 25-member team of field and office personnel was brought together to deliver the topographic survey of the roadways, streams, drainage/sanitary sewer systems, above/underground utilities, karst features and test boring locations in the area which comprised of both highly urbanized and rural areas in a timeframe of just over three months. The American Structurepoint survey team utilized both terrestrial (land based) and LiDAR (aerial-based) survey methods to meet the deadlines set by this extremely compressed schedule.



I-65 ADDED TRAVEL LANES DESIGN-BUILD GREENWOOD, INDIANA

American Structurepoint is preparing 30-percent plans and design/build contract documents to add an additional travel lane in each direction of the segment of I-65 from south of SR 44 to north of Main Street in Greenwood. This fast-track project, which interfaces with four Interstate interchanges and includes the environmental document, wetland delineations, and topographic survey will be ready for letting in seven months from notice to proceed. The project includes four bridge rehabs and one bridge replacement. In addition, American Structurepoint will be preparing the project cost estimates, assisting INDOT with the technical proposal evaluations and providing the consultant review of the design/build plan submissions. The American Structurepoint survey team performed a full topographic and route survey for this heavily traveled 11-mile stretch of interstate. Conventional and aerial survey methods were used to safely and efficiently gather the necessary data for the design team.



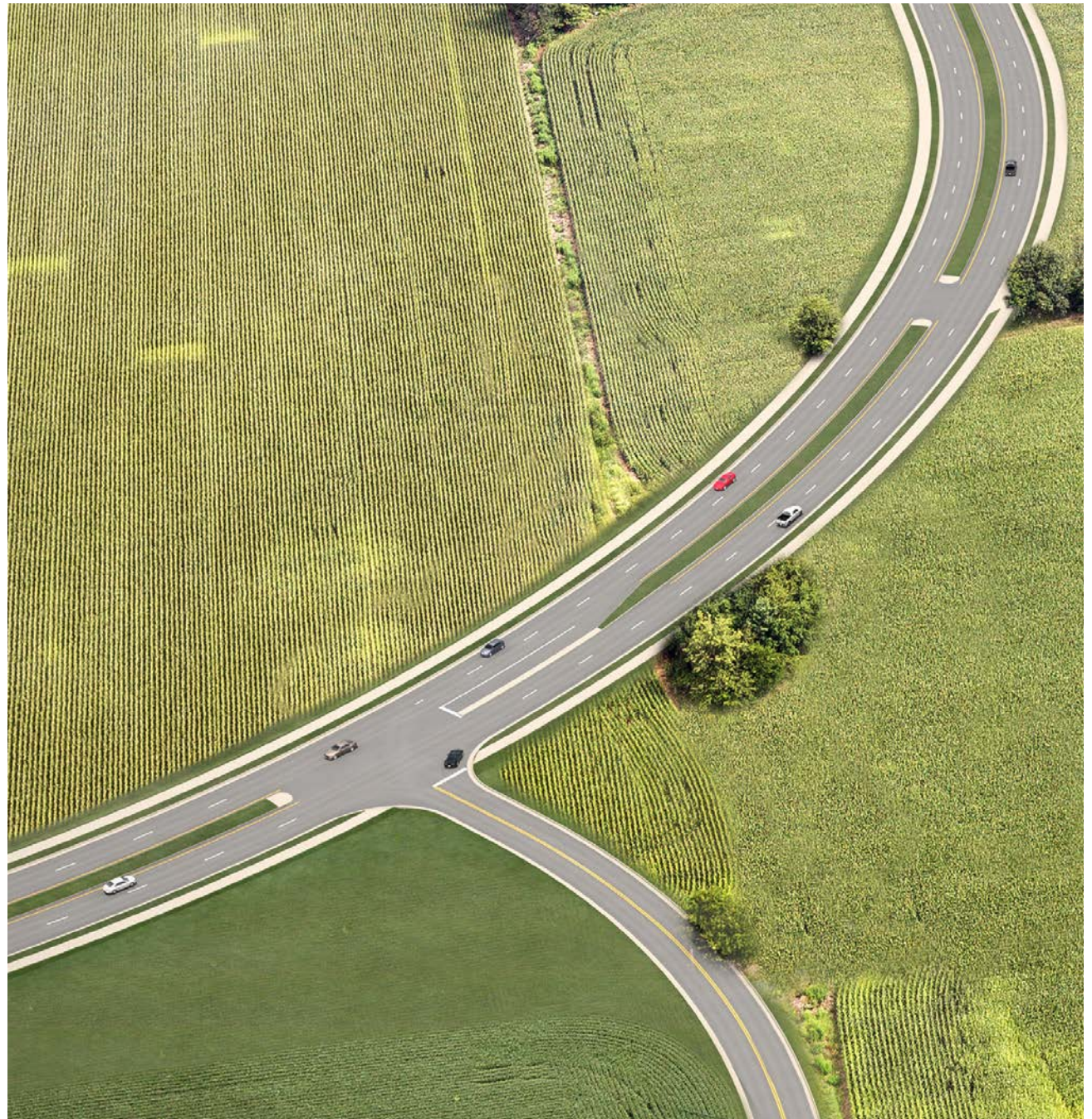


I-94 REHABILITATION LAKE/PORTER COUNTIES, INDIANA

American Structurepoint performed an engineering assessment/engineer's report, as well as the road design and plan development work necessary to produce the construction contract documents. Additional services included topographic survey, environmental documentation (CE), permitting, geotechnical oversight, traffic analysis, utility coordination, and construction phase services. The American Structurepoint survey team is utilizing LiDAR survey methods to survey this congested thoroughfare. By doing so, the team eliminated the need to close travel lanes during field operations and was able to maintain free flow of traffic for the duration of the survey portion of the project.

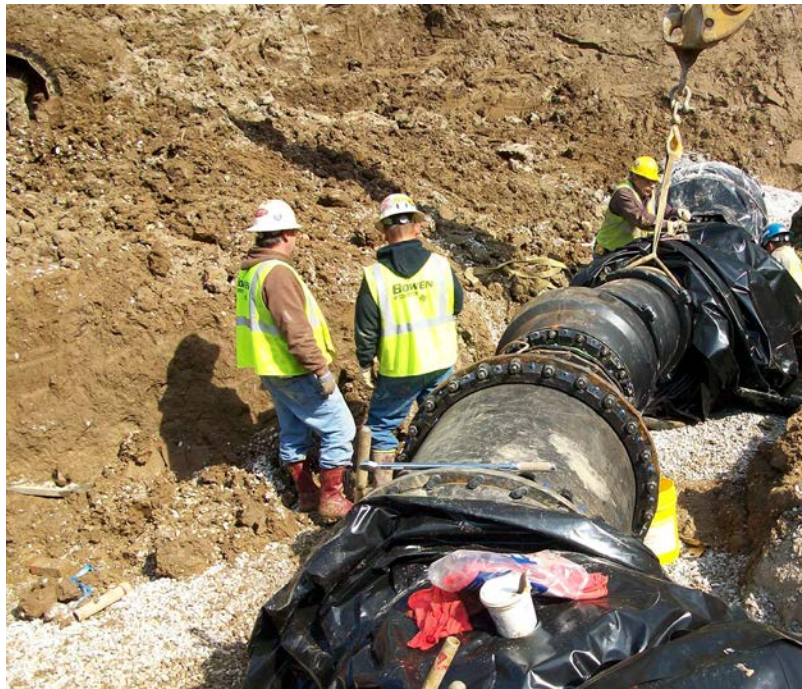
**CR 400 SOUTH AND CR 300 SOUTH
CONNECTOR** BOONE COUNTY, INDIANA

This project involved the construction of a new arterial roadway around the east side of Whitestown between CR 400S and 300S. The American Structurepoint survey team is conducting a topographic survey and performing right-of-way engineering services for this project. LiDAR is used to conserve cost while surveying this 2,000-foot corridor through undeveloped farm land. The new roadway is approximately 9,600 linear feet and was initially constructed as a two-lane urban roadway with curb and gutters, with the intent of expanding it to a four-lane divided facility with multi-use paths. The project also includes the construction of a new bridge structure over Jackson Creek.



**INDIANA AMERICAN WATER OBSOLETE
WATER MAIN REPLACEMENT PROGRAM**
VARIOUS LOCATIONS, INDIANA

Since 2005, American Structurepoint has worked with Indiana American Water Company (IAWC) through several on-call service contracts to provide surveying, construction inspection, engineering, and administrative services for various projects throughout Northwest Indiana. This program included 28 simultaneous surveys and over 50,000 ft of water mains. Included in the many projects are Ameriplex in Merrillville Center, Marina Shores in Portage, the Wal-Mart Relocation project in Portage, and the Creekwood Crossings subdivision in Merrillville. The contract has involved extensive right-of-way permitting and a significant amount of utility coordination.



ADDITIONAL TRANSPORTATION AND UTILITY ROUTE PROJECTS

- **AT&T Conrail Route Surveys** Marion County, Indiana
- **Citizens Energy Group Septic Tank Elimination Program (STEP)** Various Locations Throughout Indiana
- **City-wide Sanitary and Water Survey** Lawrence, Indiana
- **Crandall-Lanesville Road Extension** Georgetown, Indiana
- **Fullerton Pike Route Survey** Bloomington, Indiana
- **I-465 Route Survey** Indianapolis, Indiana
- **I-469 Pavement Rehabilitation (SR 1 to US 27) Route Survey** Fort Wayne, Indiana
- **I-65 Added Travel Lanes** Marion, Johnson, and Boone Counties, Indiana
- **I-70 from I-65/I-70 North Split East to I-465 Route Survey** Marion County, Indiana
- **I-94 Rehabilitation Route Survey** Porter County, Indiana
- **Illinois Street South, 106th Street to 116th Street** Carmel, Indiana
- **Indiana American Water Obsolete Water Main Survey Program** Various Locations Throughout Indiana
- **Margaret Avenue Route Survey** Terre Haute, Indiana
- **South Keystone Area Septic Tank Elimination Project Route Survey** Indianapolis, Indiana
- **SR 26 Route Survey** Clinton County, Indiana

With one of the largest survey crews in the Midwest and an extensive library of data, we generate accurate geospatial information within record time.



JEFF DOUGLASS PS

Since 1989, Jeff has provided services on countless surveys. His work has involved all aspects of surveying, from hands-on field work and oversight of survey crews to project and contract management. This field-to-finish involvement promotes a better understanding of field and office processes in order to meet client needs more efficiently. His diverse background includes residential surveys, topographic surveys, residential and commercial subdivisions, ALTA/NSPS land title surveys, and construction staking services.



JOHN HOOD PS

John oversees preparation of route surveys, land title surveys, easement and right-of-way descriptions, and boundary surveys, as well as overseeing the field crews, conducting property research, and drafting. He also spent six years in the field as a party chief. John was involved in the collection of field data for many highway projects and has extensive experience in gathering field data with a GPS unit.

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