



Transportation

Transportation infrastructure is what links the nation together. At Woolpert, our talented professionals understand the complex needs of our transportation clients and offer full-service capabilities to state, local and federal clients and other consultants. With over 100 years in the industry, we have a long history of working with DOTs, particularly in Ohio and Virginia, and have also provided services to private-sector clients and contractors. From roadway and highway design to bridges, our design and geospatial teams have the skills and experience to complete the most challenging projects. Our staff has performed work on thousands of lane miles of roadway and hundreds of structures, providing value to our clients with proven experience.

Transportation Infrastructure Design and Design-Build Services

We combine our comprehensive and integrated analysis and study services with our planning and design capabilities to provide one source and one point of contact for infrastructure projects. Our designers and planners have decades of experience providing comprehensive transportation planning and design services to clients.

Through our experience providing design-build services to clients across the U.S. in both the federal and state/local sectors, we've helped numerous contractors reduce risk, speed up delivery and meet tight schedules. Throughout the design process, we facilitate design charrettes to keep stakeholders engaged as the project develops, minimizing issues and changes later in the process.



Alternative Methods of Delivery

We offer several alternatives to traditional project delivery that help you get over the hurdles that often occur due to contractual silos of responsibility or financing issues.

Design-Build

Eliminating the traditional bidding step in design-build allows us to overlap the design and construction phases, speeding up the timeline, reducing time and money lost to late changes and reducing risk.

Public-Private Partnerships (P3)

P3 allows you to eliminate much of the financial risk associated with many projects while harnessing the expertise and efficiencies of the private sector for public-sector projects. We work to pair public and private entities based on common core goals to increase efficiency, reduce waste and design and construct better infrastructure.

Integrated Project Delivery (IPD)

IPD allows us to integrate some of the phases of traditional project delivery with the above alternative methods (P3 and design build). With IPD, you get development, design build, P3 and program management all from one reliable source.



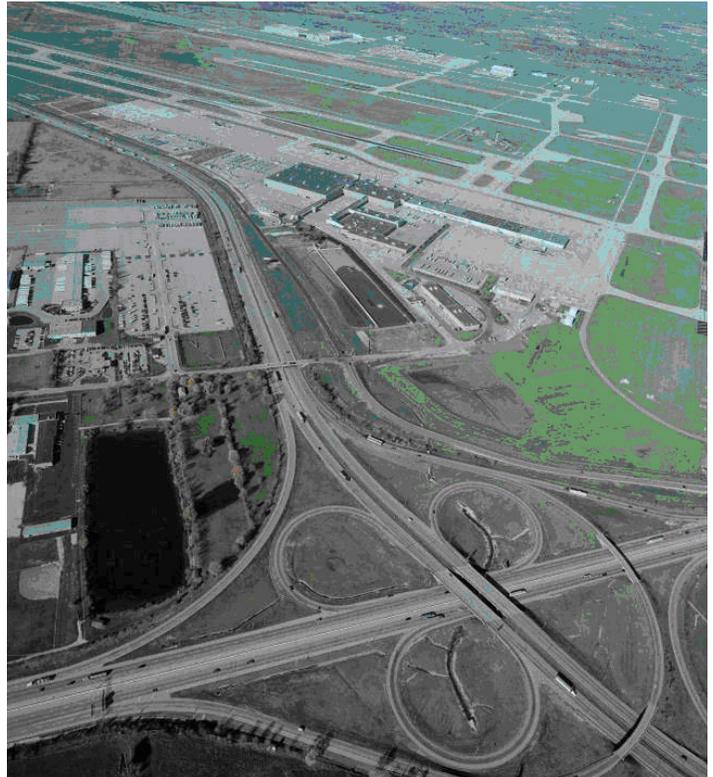
Geospatial Services

We consistently provide high-quality surveying services with cutting-edge technology and speed. We offer both traditional aerial mapping and light detection and ranging (LiDAR) services for small- and large-scale DOT roadway and bridge design projects.

We also offer mobile mapping services with our latest-generation Optech LiDAR units, digital cameras and Applanix positioning system, which we can mount on a van, boat, train or ATV. The mobile mapping system (MMS) provides value to our clients and allows us to efficiently gather accurate data in previously hard-to-reach areas, providing a greater depth of roadway and traffic information and features. With the use of our MMS, we can reduce the collection time, eliminate costly lane closures and temporary traffic disruptions and safely keep our surveyors out of harm's way.

Subsurface Utility Engineering Services (SUE)

Woolpert's professionals are trained to utilize ground penetrating radar (GPR) for SUE services. This technology allows us to more easily identify underground utilities and provide accurate data that helps designers identify the locations of potential conflicts and make informed design decisions about the placement of proposed roadways and features to minimize impacts early in project development.



Services

We provide the following planning, engineering and geospatial services for transportation clients across the U.S.:

- Access studies
- Aerial mapping
- Bikeways and walkways
- Bridge analysis and design
- Capacity analyses
- Corridor and alignment studies
- Cost estimating
- Drainage/stormwater systems
- Environmental documents
- Feasibility studies
- LiDAR
- Maintenance of traffic
- Mobile mapping
- Pedestrian facilities
- Public involvement
- Retaining walls
- Right-of-way plans and descriptions
- Roadways
- Roundabouts
- Safety studies
- Signage and pavement markings
- Signal warrants
- Surveying
- Traffic data collection
- Traffic impact studies
- Traffic signal and signal systems
- Utility relocation

For more information, please call 800.414.1045
or visit our website at woolpert.com



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