PIN POINT
PRECISION ENGINEERING

TRAINING AND EXPERIENCE

- Synchro
- Primavera
- P3
- TEAPAC (Traffic Engineering Analysis Package)
- Passer II
- Transyt-7F
- HCS (Highway Capacity Software)
- TSIS-CORSIM (Traffic Software Integrated System-Corridor Simulation)
- SIDRA (Signalized Intersection Design and Research Aid)
- TrafficSim
- AutoCAD
- MUTCD (Manual on Uniform Traffic Control Devices)
- ITE (Intelligent Transportation System)
- IDOT Standards and Spec
- Microstation

PTB 193 Item 41 - Environmental Services for the Chicago Region Environmental & Transportation Efficiency (CREATE) Program, Office of Intermodal Project Implementation (OIPI), Bureau of Rail.

Work consist of but not be limited to Environmental Survey Request Forms (ESRF), Environmental Class of Action Determination (ECAD), Preliminary Environmental Site Assessments (PESA) and Preliminary Site Investigation (PSI) for CREATE Projects. Work may also consist of conducting route surveys, land surveys, hydraulic surveys, hydraulic analysis, geometric studies, environmental assessment, and location and design studies for new construction/major reconstruction, railroad structures, hazardous waste assessment, and preparing Project Reports. This work included data collection, development of track alignment alternatives, cost estimates, signal layout, traffic/train management analysis, accident analysis, bridge condition reports, hydraulic reports, PESAs, PSIs, type, size and location (TS&L) drawings, structure plans and other related work and exhibits necessary to produce the Project Reports.

METRA LIQ NO. 45521 - CREATE P2 DESIGN SERVICES FOR SWS/RID FLYOVER CONNECTION
One this project, we manage all aspects of utility relocation, design, and permitting which includes but is not limited to: utility survey, permit drawing and submittal, OUC and CDOT coordination. We use our knowledge and experience to predict future conflicts and resolve them before they occur. It is our responsibility to make sure the utility infrastructure is completely managed prior to start through finish of construction. This coordination involves, existing waterway drainage removal, water main and sewer removal, and AT&T, Comcast, and ComEd relocation of underground and aerial facilities.

Designer - IDOT- I-294 & I-57 Interchange, Posen IL

Provided calculations and roadway geometry for the Illinois Department of Transportation's I-294 and I-57 Interchange project. Duties included determining the free flow ramp entrance and exit, sight distance along the bridge, speed limit, super elevation for comfort in ride, and typical cross-section calculation and evaluation. Project Reviewer for IDOT consultant submissions.

Designer - IDOT-Riverwoods Road and Everett Road Roundabout Traffic Studies Study
Performed preliminary studies on Roundabouts throughout the state of Illinois. The study included traffic counts for ADT, determining the level of service on various intersection improvement projects, research on ideal conditions for roundabouts, and selecting the areas that were ideal for implementation. Synchro Software was used to determine which sections of the roadway needed the most improvements.

Project Manager -Wide Open West- Multiple Force Relocation, Various locations
Provided redesign and permit services for the Wide Open West Multiple Force Relocation Project. The scope of work required the creation of bore profiles, typical cross sections, erosion control, a traffic control plan, and restoration plans. Responsibilities included attending utility coordination meetings, permit submittals and site assessments that would not cause service disruptions for consumers. Permits submittals were based on the jurisdictions they fell under, and as such, followed certain standards per each jurisdiction. Our responsibility was to learn all standards and creating permits accordingly.

IDOT - Woodfield Road Force Relocation Schaumburg, IL
Performed utility coordination by constantly informing IDOT about potential conflicts. Maintained the Utility Conflict Matrix as an up-to-date, living, decision-making document. Met with utility owner representative at project team meetings when utility issues are discussed and made sure that there are no gaps or loose ends in the ongoing process. During the design stage helped identify secondary impacts on existing utility facilities if the engineer contemplates new project design changes. Maintained communication with utility owner reps. Getting updates on the progress of the utility owner engineers designing the required relocation plans.

Lead Engineer - Verizon -O'Hare Fiber Macro Design Various locations
Provided fiber optic design services around the Balmoral Flyover and the Bessie Coleman Road Ramp. The scope of work involved the creation of bore profiles, typical cross sections, erosion control, a traffic control plan and restoration plans. Responsibilities included the design of a fiber utilities route, according to CDA standards, that would be installed underneath the roadways and connect to multiple cell tower sites, as well as permit submittal to O'hare and CDOT (Chicago Department of Transportation) OUC (Office of Underground Coordination). OUC requires multiple stage submittals to coordinate with all the utility companies that have structures in the proposed work area. This also includes face to face meetings between contractors and utility companies to cover any conflicts and concerns.

Illinois Tollway - Design Corridor Manager (DCM) – Contract Upon Request
The work encompassing design corridor management services for various projects, including but not limited to the following: Coordination and project management of design contracts. Coordination and project management of contracts associated with land acquisition. Coordination and project management of contracts associated with survey, geotechnical studies, environmental studies and permits. Coordination and project management of contracts associated with utility investigations. Coordination of Intergovernmental Agreements and/ or permits with IDOT, Local Agencies, airports and Railroads. Program cost estimating and scheduling. Ensuring consistency and designing elements of the corridor, to be determined. Coordination with IDOT and other Local Agency contracts. Coordination of corridor maintenance of traffic needed for field investigation in support of design engineering. Coordinate with general public regarding design, construction, route changes and all other aspects of design and construction to ensure constant and seamless information flow to residents impacted, as applicable. Effort may include town hall meetings, small group meetings, public information advisories and information to be shared on digital platforms.