

Ian Vazquez

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SUMMARY

Licensed Indiana **Professional Engineer** with 10 years of **civil engineering** experience delivering federally funded transportation, **structural**, **environmental**, traffic, and stormwater infrastructure. Leads multidisciplinary design teams and consultants from scope development through bid ready documentation, with direct responsibility for plans, construction specifications, quantities, cost estimates, schedules, budgets, and technical decisions. Performs QA/QC reviews against FHWA, INDOT, local public agency, metropolitan planning organization, contract, and constructability requirements. Career growth from Civil Engineer to Senior Civil Project Manager reflects stronger judgment, broader ownership, and practical staff direction across complex public infrastructure assignments. Communicates clearly with agencies, consultants, engineering teams, utilities, and communities through technical writing, documented comment resolution, and public meeting support. Ready for a program leadership role centered on dependable federal project delivery.

EXPERIENCE

Senior Civil Project Manager

January 2024 - Present

Midwest Public Infrastructure Group

Evansville, Indiana

Leads federal aid roadway, multimodal, drainage, and structural assignments while directing engineers, designers, consultants, schedules, budgets, reviews, and agency coordination. Provides technical judgment across design development, approval milestones, stakeholder communication, and bid ready documentation.

- Led federal aid roadway and drainage designs through scope development, reviews, and final plan delivery.
- Directed engineers and designers preparing plans, specifications, quantities, and estimates for milestone submissions.
- Performed **QA/QC** reviews against **INDOT**, FHWA, local standards, contracts, and constructability requirements.
- Coordinated **consultants**, **MPO** representatives, INDOT staff, utilities, and public agencies through approval milestones.
- Managed schedules, budgets, scopes, and technical risks across concurrent transportation improvement assignments.
- Presented design alternatives at **public meetings**, translating constraints into clear community focused explanations.

Civil Project Manager

March 2021 - December 2023

Crossroads Engineering Partners

Indianapolis, Indiana

Managed federally funded transportation and stormwater design assignments involving roadway geometry, drainage, traffic, accessibility, environmental documentation, and construction documents. Guided technical teams through coordinated reviews, agency responses, **budget** control, and public communication.

- Managed transportation and **stormwater** designs involving geometry, drainage, **traffic**, accessibility, and construction documents.
- Guided engineers and **CAD** designers through plans, specifications, quantities, estimates, and milestone reviews.
- Reviewed consultant packages for accuracy, consistency, INDOT compliance, FHWA compliance, and local requirements.
- Maintained schedules and budgets while coordinating **environmental** records, utilities, permits, and agency comments.
- Prepared technical memoranda, design narratives, meeting records, and documented comment responses for approvals.
- Supported public information meetings with exhibits covering access, drainage, traffic, impacts, and proposed improvements.

Project Engineer

July 2018 - February 2021

Great Lakes Civil Design

South Bend, Indiana

Developed municipal and federal aid roadway, intersection, pedestrian, drainage, and traffic packages using CAD workflows and multidisciplinary coordination. Strengthened design quality through calculations, peer reviews, field investigations, agency responses, and concise technical records.

- Developed CAD packages for roadway, intersection, pedestrian, drainage, and traffic improvements.
- Prepared calculations, details, quantities, specifications, and estimates with **structural** and **environmental** coordination.
- Conducted peer reviews that identified conflicts, incomplete details, and constructability concerns before submission.
- Responded to INDOT and agency comments through documented revisions across federal aid milestones.
- Performed field reviews documenting drainage, access, terrain, utilities, and existing corridor conditions.
- Produced technical records and meeting materials supporting design rationale, risks, and next steps.

Civil Engineer

June 2016 - June 2018

Riverbend Engineering Consultants

Terre Haute, Indiana

Supported public infrastructure assignments under senior engineer oversight, building early career capability in CAD design, calculations, estimating, plan checking, agency coordination, field review, and **technical documentation** for roadway and stormwater work.

- Supported roadway and stormwater designs using CAD drawings, calculations, quantities, and draft specifications.
- Built construction estimates from quantities and bid information, clarifying budget effects during design.
- Checked geometry, drainage, notes, cross references, and specifications before senior **QA/QC** review.

- Compiled FHWA criteria and project records for federally assisted assignments and **Indiana** procedures.
- Joined field investigations documenting utilities, drainage, terrain, access, and existing site conditions.
- Prepared meeting notes, exhibits, and comment logs that kept agency actions visible.

PROJECTS

Federal Aid Multimodal Corridor Program 📅 2024

Coordinated roadway, pedestrian, drainage, traffic, and structural improvements through multidisciplinary design reviews, agency coordination, cost estimating, public communication, and final plan development.

Stormwater and Accessibility Improvement Package 📅 2022

Managed integrated drainage and accessibility documentation with CAD coordination, environmental inputs, utility reviews, agency comments, construction specifications, and budget tracking.

LEADERSHIP & AWARDS

- Indiana Professional Engineering License recognition, 2021, reflecting progression into accountable public infrastructure design leadership.
- Senior Project Manager advancement, 2024, following broader ownership of federal aid programs, staff direction, and consultant coordination.
- Federal aid design leadership, recognized through recurring responsibility for QA/QC reviews, agency approvals, and public meeting support.

EDUCATION

Bachelor's Degree in Civil Engineering

2016

Purdue University GPA: 3.5

West Lafayette, Indiana

Coursework: Transportation design, structural engineering, environmental engineering, traffic engineering, stormwater management

CERTIFICATIONS

- Professional Engineer, Indiana 📅 2021
- Federal Aid Project Design Practice 📅 2021

TECHNICAL SKILLS

- **Federal Design Standards:** FHWA policies, INDOT specifications, local standards
- **Project Management:** Schedules, budgets, scopes
- **Civil Design:** Roadway geometry, drainage, accessibility
- **Multimodal Transportation:** Pedestrian facilities, traffic elements, roadway improvements
- **Structural Coordination:** Structural plans, multidisciplinary reviews, constructability
- **Stormwater Engineering:** Drainage systems, hydrology, stormwater improvements
- **QA and QC:** Plan reviews, specification checks, estimate reviews
- **Cost Estimating:** Engineer estimates, quantity calculations, bid information
- **CAD Applications:** CAD drawings, plan sets, design workflows
- **Agency Processes:** INDOT, LPA, MPO coordination
- **Technical Documentation:** Technical memoranda, design narratives, comment logs
- **Public Engagement:** Public meetings, stakeholder exhibits, community communication

SKILLS

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|----------------------|-----------------------------|------------------------------|---------------------|
| • Federal Aid Design | • INDOT Design Process | • Structural Coordination | • QA/QC |
| • Civil Engineering | • LPA and MPO Coordination | • Stormwater Design | • Cost Estimating |
| • Project Management | • Transportation Design | • Traffic Projects | • Technical Writing |
| • FHWA Requirements | • Multimodal Infrastructure | • Environmental Coordination | |

PROFESSIONAL AFFILIATIONS

- Indiana engineering community, professional practice focused on public infrastructure, transportation design, and federal aid delivery.
- Public agency project network, ongoing collaboration with INDOT, local public agencies, MPO representatives, utilities, and consultants.

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST