

SELECTED PROJECTS:

Pavement Evaluation and Rehabilitation Design, 2020 (TIF 1 & 3A funded)

Project Manager of the design of 16,500 lineal feet of roadway pavement involving pavement evaluation for distress to determine roadway rehabilitation. Project Standards adhered to the Illinois Department of Transportation Standard Specifications. Determined the appropriate pavement treatment to add structural integrity to the existing pavement structure. Treatment consists of pavement milling and overlay to pavement removal and replacement. All drainage facilities were evaluated and updated to drain to their respective inlets. Existing sidewalk, driveway aprons, curbs were removed and replaced per IDOT Standards. Coordinated the relocation of various public utilities. Project reviewers are the City of East St. Louis.

Infrastructure Manager, City of East St. Louis, IL, 2019

Consultant to the City for all roadway design, site design, drainage design and construction management for all projects. General description of Scope included Construction Inspection for the reconstruction of Municipal streets, East Saint Louis, Illinois. Responsibilities include interpolating contract document to the contractor to ensure that the improvement is according to plans and specifications. Submit Contractors' pay request to the Owner. Monitor the safety and quality during the reconstruction. Engage in bi-weekly meetings with the Contractor to discuss project schedule and any project concerns. Coordinate with the Contractor and public utility companies for any utility conflicts.

Pavement Evaluation and Rehabilitation Design, 2019 (TIF funded)

Project Manager of the design of 25,000 lineal feet of roadway pavement involving pavement evaluation for distress to determine roadway surface rehabilitation. Project Standards adhered to the Illinois Department of Transportation Standard Specifications. Determined the appropriate surface treatment of pavement to provide a smooth driving surface. Coordinated the relocation of various public utilities. Project reviewers are the City of East St. Louis and Reisch Development Corporation.

Utility Coordinator IDOT District 8, 2018-2023.

Currently performing utility coordination for IDOT by constantly informing IDOT informed about potential conflicts. Helped maintain 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. Brokers interim meetings between utility owner engineers and project engineers so that the relocation plan development stays on track.

Work Orders

1. Plum Hill School Road at Illinois Route 158/177
2. Illinois Route 161 over Crooked Creek (Bridge Replacement)

3. Illinois Route 157 over Silver Creek (Culvert Replacement)
4. ADA Improvements on IL 161, Beech St. to Pleasant Ave. in Centralia.

Pavement Evaluation and Rehabilitation Design and Construction Inspection, 2017 MFT funded)

Project Manager of the design of 8,500 lineal feet of roadway pavement involving pavement evaluation for distress to determine roadway surface rehabilitation. Project Standards adhered to the Illinois Department of Transportation Standard Specifications. Determined the appropriate surface treatment of pavement to provide a smooth driving surface. Coordinated design with various public utilities. Project Standards adhered to the Illinois Department of Transportation Construction Inspection guidelines. Complied with guidelines established by the Illinois Accessibility in the Public Right of Way Construction Guide. Coordinated on-site material testing. Duties included daily documentation of all construction work performed. Coordinated the relocation of unforeseen various public utilities during construction. Project reviewers are the Illinois Department of Transportation, and City of East St. Louis, Illinois.

Pavement Evaluation and Rehabilitation Design and Construction Inspection, 2017, TIF funded)

Project Manager of the design of 9,800 lineal feet of roadway pavement involving pavement evaluation for distress to determine roadway surface rehabilitation. Project Standards adhered to the Illinois Department of Transportation specifications. Determined the appropriate surface treatment of pavement to provide a smooth driving surface. Coordinated the relocation of various public utilities. Project reviewers are the City of East St. Louis and Reisch Development Corporation.

City Construction Engineer, East St. Louis, Illinois, 2016

Consultant to the City for all roadway design, site design, drainage design and construction management for all projects. General description of Scope included Construction Inspection for the reconstruction of Municipal streets, East Saint Louis, Illinois. Responsibilities include interpolating contract document to the contractor to ensure that the improvement is according to plans and specifications. Submit Contractors' pay request to the Owner. Monitor the safety and quality during the reconstruction. Engage in bi-weekly meetings with the Contractor to discuss project schedule and any project concerns. Coordinate with the Contractor and public utility companies for any utility conflicts.

Pavement Evaluation and Rehabilitation Design and Construction Inspection, 2016 MFT funded)

Project Manager of the design of 10,500 lineal feet of roadway pavement involving pavement evaluation for distress to determine roadway surface rehabilitation. Project Standards adhered to the Illinois Department of Transportation Standard Specifications. Determined the appropriate surface treatment of pavement to provide a smooth driving surface. Coordinated design with various public utilities. Project Standards adhered to the Illinois Department of Transportation Construction Inspection guidelines. Complied with guidelines established by the Illinois Accessibility in the Public Right of Way Construction Guide. Coordinated on-site material

testing. Duties included daily documentation of all construction work performed. Coordinated the relocation of unforeseen various public utilities during construction. Project reviewers are the Illinois Department of Transportation, and City of East St. Louis, Illinois.

Pavement Evaluation and Reconstruction Design, St. Clair County, Illinois. Project Manager of the design of 2.06 kilometers of roadway pavement including design of drainage, curb & gutter, landscape, driveways, pavement marking and sidewalks. Coordinated the relocation of various public utilities

Consultant to Village of Washington Park Illinois., Hill Avenue roadway reconstruction, Washington Park, Illinois. Successfully wrote Grant for Washington Park for Stimulus Funding. Project Manager and designer of roadway pavement including design of drainage, curb and gutters, landscape, driveways, and sidewalks. Coordinated the relocation of various public utilities. Project reviewers are the Federal Highway Administration, Illinois Department of Transportation, and the Village of Washington Park.

Pavement Evaluation & Rehabilitation Design of Natchez Trace Parkway, Jackson, Mississippi. Pavement Design Engineer for the evaluation and rehabilitation of highway pavement. Performed PCI & NDT data reduction and analysis including entry into MicroPaver. Conducted records review of as-built construction plans. Heavy involvement in writing and preparation of final report.

A7 Infrastructure, Inc., St. Louis, Missouri, **Traffic Signal design** services for Holmes Road in Memphis Tennessee. The design shall begin at Tchulahoma Road and terminate at Mill Branch Road. The design includes providing an upgrade of three 4-way signalized intersections and one school crossing for this part of the Project. The design also included pavement striping design and roadway signage design from Tchulahoma to Mill Branch. Provided construction quantities and a construction estimate for this part of the project. Incorporated Plan Specifications in the design for this part of the Project.

Webb Engineering Services, Inc., St. Louis, Missouri, Civil Engineering Designer for a slope stabilization project for MoDOT, in Missouri. Design for this project included drainage plan and slope stabilization plans. Also responsible for site details. Project reviewers were the State of Missouri Highways and Traffic Design Department

Site Designs

Southside Properties, LLC, St. Louis Missouri, Civil Engineering Site Designers for rehabilitation of an existing building to accommodate an apartment complex, restaurant. and car wash at the intersection of 7th Street and Allen Street. Design for this project included site plan, drainage plan, vertical control, grading plans and paving plans. Project reviewers are the City of St. Louis, St. Louis Water Division, MSD, and other various utility companies.

Southside Properties, LLC, St. Louis Missouri, Civil Engineering Site Designers for a new Motor Fueling Station/Convenient Store at the intersection of Olive Blvd. and Kingsland Ave. Design for this project included site plan, drainage plan, vertical control, grading plans and paving plans. Prick pavers were incorporated to control stormwater runoff. Project reviewers are the City of University City, MO, MAWC, Ameren, St. Louis MetroBus and St. Louis County.

Greater St. Paul M.B Church, St. Louis Missouri, Civil Engineering Site Designers for a new parking lot at the intersection of 5600 Gilmore Avenue. Design for this project included site plan, drainage plan, vertical control, grading plans and paving plans. Drainage design included Best Management Practices requirement of MSD. Project reviewers are the City of St. Louis, MO, MAWC, Ameren and MSD.

Nada #1, Inc., Franklin County, Missouri, **Currently**, Civil Engineering Site Designers for a new Motor Fueling Station/Convenient Store and eight (8) three story apartment buildings at the intersection of Highway 100 and Route OO in Franklin County, MO. Design for this project included site plan, drainage plan, horizontal control, vertical control, grading plans, demolition plans, SWPPP plans, underground, detention basin design, utility plans and paving plans. Pre-development and post-development drainage calculations were performed per Franklin County requirements. We are also responsible for plan specifications as related to the site. Project reviewers are Franklin County, MoDOT, City of Pacific, MO., and various utility companies.

Hadeel, LLC, St. Louis, Missouri, **Currently**, Civil Engineering Site Designers for a new Motor Fueling Station/Convenient Store and tunnel car wash at the intersection of Parnel Ave., and St. Louis, Ave. Design for this project included site plan, drainage plan, vertical control, grading plans and paving plans. Project reviewers are the City of St. Louis, MSD, and other various utility companies.

Balu, Inc., St. Louis, Missouri, Civil Engineering Site Designer for a parking lot expansion for an existing Convenience Store in Halls Ferry Circle. This project included site plan, drainage plan, horizontal control, vertical control, grading plans, demolition plans, utility plans, SWPPP, crosssections, and paving plans. Pre-development and post-development drainage calculations were performed per MSD requirements. I was also responsible for specification writing. Project reviewers were the City of Jennings Missouri, MODOT, MAWC, Laclede Gas Co., and Ameren of Missouri.

Vanchi Properties, LLC., Creve Coeur, Missouri, Civil Engineering Site Designer for a new medical office building at the intersection of N. New Ballas Court and E. Rue De La Banque Street in Creve Coeur, Missouri. Design for this project included site/stripping plans, drainage plans, horizontal control/vertical control, grading plans, demolition plans, utility site/utility details plan, storm/sanitary sewer hydraulic calculations, and paving plans. Pre-development and post-development drainage calculations were performed per MSD requirements. I was also responsible for specification writing. Project reviewers were the City of Creve Coeur Public Works, St Louis County, MSD, Ameren electric, Laclede gas, and the Missouri American Water Company.

Crown Food Mart Inc., St. Louis, Missouri, Civil Engineering Site Designer for a new tunnel car wash at the intersection of Union Blvd. and Natural Bridge Ave. Design for this project included site plan, drainage plan, vertical control, grading plans and paving plans. Project reviewers are the City of St. Louis, Missouri.

Safi, Inc., St. Louis, Missouri, Civil Engineering Site Designer for a new parking lot at the intersection of Natural Bridge Ave. and Hamilton Ave. Design for this project included site plan, drainage plan, striping plan, demolition plan, and vertical control, grading plans and paving plans. Project reviewers are the City of St. Louis and MSD.

Webb Engineering Services, Inc., St. Louis, Missouri, Civil Engineering Site Designer for a new playground spraying station at the intersection of Latty Avenue and Hanley Road in St. Louis, Missouri. Design for this project included site plan, drainage plan, and utility plans. Pre-development and post-development drainage calculations were performed per MSD requirements. I was also responsible for specification writing. Project reviewers were the City of Hazelwood Missouri, and St. Louis.

King Food Phillips, Inc., St. Louis, Missouri, Civil Engineering Site Designer for a new Convenience Store and Corporate office at the intersection of Vandeventer and Martin Luther King Drive. Design for this project included site plan, drainage plan, horizontal control, vertical control, grading plans, demolition plans, utility plans and paving plans. Pre-development and post-development drainage calculations were performed per MSD requirements. I was also responsible for specification writing. Project reviewers were the City of St. Louis, Missouri and MSD.

Crown Food Mart Inc., St. Louis, Missouri, Civil Engineering Site Designer for a new tunnel car wash at 300 South Jefferson Avenue in St. Louis, Missouri. Design for this project included site plan, drainage plan, vertical control, grading plans and paving plans. Project reviewers are the City of St. Louis and MSD.

Webb Engineering Services, Inc., St. Louis, Missouri, Civil Engineering Site Designer for a new community clubhouse complex at the intersection of Sarah Street and Enright Street in St. Louis, Missouri. Design for this project included site plan, drainage plan, horizontal control, vertical control, grading plans, demolition plans, utility plans and paving plans. Pre-development and post-development drainage calculations were performed per MSD requirements. I was also responsible for specification writing. Project reviewers were the City of St. Louis, Missouri and MSD

Salameh Food Market Inc., St. Louis, Missouri, Civil Engineering Site Designer for a new Convenient Store at the intersection of Kingshighway Blvd. and St. Louis Avenue. Design for this project included site plan, drainage plan, horizontal control, vertical control, grading plans, demolition plans, utility plans and paving plans. Pre-development and post-development drainage calculations were performed per MSD requirements. I was also responsible for specification writing. Project reviewers were the City of St. Louis, Missouri and MSD.

Crown Food Mart Inc., St. Louis, Missouri, Civil Engineering Site Designer for a new Convenient Store at the intersection of 18th Street and Missouri Avenue in East St. Louis, Illinois. Design for this project included site plan, drainage plan, horizontal control, vertical control, grading plans, demolition plans, utility plans and paving plans. Pre-development and post-development drainage calculations were performed per the Illinois Department of Transportation requirements. I was also responsible for specification writing. Project reviewers were the City of East St. Louis Planning and Zoning, Illinois Department of Transportation, Illinois Environmental Protection Agency, and City of East St. Louis Department of Public Works.

Crown Food Mart Inc., St. Louis, Missouri, Civil Engineering Site Designer for a new Convenient Store at the intersection of Kingshighway Blvd. and Martin Luther King Drive. Design for this project included site plan, drainage plan, horizontal control, vertical control, grading plans, demolition plans, utility plans and paving plans. Pre-development and post-development drainage calculations were performed per MSD requirements. I was also responsible for specification writing. Project reviewers were the City of St. Louis, Missouri Department of Transportation, and MSD.

Crown Food Mart Inc., St. Louis, Missouri, Civil Engineering Site Designer for a new Convenient Store at the intersection of Jefferson and Clark. Design for this project included site plan, drainage plan, horizontal control, vertical control, grading plans, demolition plans, utility plans and paving plans. Pre-development and post-development drainage calculations were performed per MSD requirements. I was also responsible for specification writing. Project reviewers were the City of St. Louis, Missouri, Department of Transportation, and MSD.

Crown Food Mart Inc., St. Louis, Missouri, Civil Engineering Site Designer for a new Convenient Store at the intersection of Delmar Blvd. and Goodfellow. Design for this project included site plan, drainage plan, horizontal control, vertical control, grading plans, demolition plans, utility plans and paving plans. Pre-development and post-development drainage calculations were performed per MSD requirements. I was also responsible for specification writing. Project reviewers were the City of St. Louis, and MSD.