



CHRISTOPHER B. BURKE ENGINEERING, LTD.

9575 West Higgins Road Suite 600 Rosemont, Illinois 60018 TEL (847) 823-0500 FAX (847) 823-0520

February 16, 2024

Village of Orland Park
15655 S. Ravinia Avenue
Orland Park, IL 60462

Attention: Michelle Heslin, Public Improvement Technician II

Subject: Professional Construction Engineering Services
Orland Hills West Roadway & Ditch Grading Improvements

Dear Ms. Heslin:

As requested, Christopher B. Burke Engineering, Ltd. (CBBEL) is pleased to provide the attached Cost Estimate of Consultant Services (CECS) Worksheet for the Orland Hills West Roadway & Ditch Grading Improvements RFP.

CBBEL understands that the Orland Hills West Subdivision primarily consists of an open drainage system that outlets to the surrounding wetlands. The Village last resurfaced the roads in Orland Hills West in the 1990s and has only performed periodic patching since then.

CBBEL further understands that the project improvements include, but are not limited to, observation and tracking of erosion control measures; hot-mix asphalt surface removal; driveway approach pavement removal and patching; isolated curb and gutter removal and replacement; ribbon curb installation preparation of exposed aggregate base course; placement of hot-mix asphalt binder and surface course; adjustment and/or repair of drainage structures; parkway restoration; and other incidental and miscellaneous items of work on various roadways within the Village.

To fulfill the position as Resident Engineer, CBBEL is proposing Babatunde (Baba) Owolabi, PE. Baba is a Senior Resident Engineer with 37 years of IDOT experience. Also attached for your reference are resumes for Baba and myself as Project Manager.

CBBEL further understands this project will be awarded on March 4, 2024 with an approximate start date of April 1, 2024. We have estimated full-time observation for the Orland Hills West Roadway & Ditch Grading Improvements Project.

If you have any questions, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink that reads 'W. Daniel Crosson'.

W. Daniel Crosson
Executive Vice President
Head, Construction Engineering Department

COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

FIXED RAISE

Local Public Agency	County	Section Number
Village of Orland Park	Cook	NA
Prime Consultant (Firm) Name	Prepared By	Date
Christopher B. Burke Engineering, Ltd.	W. Daniel Crosson	2/15/2024
Consultant / Subconsultant Name	Job Number	
Christopher B. Burke Engineering, Ltd.	NA	

Note: This is name of the consultant the CECS is being completed for. This name appears at the top of each tab.

Remarks

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PAYROLL ESCALATION TABLE

CONTRACT TERM	6	MONTHS	OVERHEAD RATE	149.00%
START DATE	4/1/2024		COMPLEXITY FACTOR	
RAISE DATE	9/30/2024		% OF RAISE	2.00%
END DATE	9/30/2024			

ESCALATION PER YEAR

Year	First Date	Last Date	Months	% of Contract
0	4/1/2024	9/30/2024	6	100.00%

The total escalation = 0.00%

Local Public Agency	County	Section Number
Village of Orland Park	Cook	NA
Consultant / Subconsultant Name		Job Number
Christopher B. Burke Engineering, Ltd.		NA

PAYROLL RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET FIXED RAISE

MAXIMUM PAYROLL RATE	86.00
ESCALATION FACTOR	0.00%

CLASSIFICATION	IDOT PAYROLL RATES ON FILE	CALCULATED RATE
Engineer VI	\$82.63	\$82.63
Engineer V	\$72.59	\$72.59
Engineer IV	\$59.41	\$59.41
Engineer III	\$46.80	\$46.80
Engineer I/II	\$36.22	\$36.22
Survey V	\$85.04	\$85.04
Survey IV	\$76.25	\$76.25
Survey III	\$66.63	\$66.63
Survey II	\$54.50	\$54.50
Survey I	\$38.75	\$38.75
Engineering Technician V	\$68.90	\$68.90
Engineering Technician IV	\$64.03	\$64.03
Engineering Technician III	\$42.86	\$42.86
Engineering Technician I/II	\$30.00	\$30.00
CAD Manager	\$70.83	\$70.83
CAD Technician II	\$53.29	\$53.29
GIS Specialist III	\$58.00	\$58.00
Landscape Architect	\$65.00	\$65.00
Landscape Designer III	\$40.50	\$40.50
Environmental Resource Specialist V	\$76.01	\$76.01
Environmental Resource Specialist IV	\$60.78	\$60.78
Environmental Resource Specialist III	\$52.75	\$52.75
Environmental Resource Specialist I/II	\$30.92	\$30.92
Environmental Resource Technician	\$45.30	\$45.30
Engineering Intern	\$18.88	\$18.88
Business Operations Department	\$57.69	\$57.69

Local Public Agency	County	Section Number
Village of Orland Park	Cook	NA
Consultant / Subconsultant Name		Job Number
Christopher B. Burke Engineering, Ltd.		NA

SUBCONSULTANTS

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

[illegible]

Total	0.00	0.00
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NOTE: Only subconsultants who fill out a cost estimate that splits out direct labor may be listed on this sheet.

Local Public Agency

Village of Orland Park

County

Cook

Section Number

NA

Consultant / Subconsultant Name

Christopher B. Burke Engineering, Ltd.

Job Number

NA

DIRECT COSTS WORKSHEET

List ALL direct costs required for this project. Those not listed on the form will not be eligible for reimbursement by the LPA on this project.

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

ITEM	ALLOWABLE	QUANTITY	CONTRACT RATE	TOTAL
Lodging (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost (Up to state rate maximum)			\$0.00
Lodging Taxes and Fees (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost			\$0.00
Air Fare	Coach rate, actual cost, requires minimum two weeks' notice, with prior IDOT approval			\$0.00
Vehicle Mileage (per GOVERNOR'S TRAVEL CONTROL BOARD)	Up to state rate maximum			\$0.00
Vehicle Owned or Leased	\$32.50/half day (4 hours or less) or \$65/full day	120	\$65.00	\$7,800.00
Vehicle Rental	Actual Cost (Up to \$55/day)			\$0.00
Tolls	Actual Cost			\$0.00
Parking	Actual Cost			\$0.00
Overtime	Premium portion (Submit supporting documentation)			\$0.00
Shift Differential	Actual Cost (Based on firm's policy)			\$0.00
Overnight Delivery/Postage/Courier Service	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (In-house)	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (Outside)	Actual Cost (Submit supporting documentation)			\$0.00
Project Specific Insurance	Actual Cost			\$0.00
Monuments (Permanent)	Actual Cost			\$0.00
Photo Processing	Actual Cost			\$0.00
2-Way Radio (Survey or Phase III Only)	Actual Cost			\$0.00
Telephone Usage (Traffic System Monitoring Only)	Actual Cost			\$0.00
CADD	Actual Cost (Max \$15/hour)			\$0.00
Web Site	Actual Cost (Submit supporting documentation)			\$0.00
Advertisements	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Facility Rental	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Exhibits/Renderings & Equipment	Actual Cost (Submit supporting documentation)			\$0.00
Recording Fees	Actual Cost			\$0.00
Transcriptions (specific to project)	Actual Cost			\$0.00
Courthouse Fees	Actual Cost			\$0.00
Storm Sewer Cleaning and Televising	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Traffic Control and Protection	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Aerial Photography and Mapping	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Utility Exploratory Trenching	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Testing of Soil Samples	Actual Cost			\$0.00
Lab Services	Actual Cost (Provide breakdown of each cost)			\$0.00
Equipment and/or Specialized Equipment Rental	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
TOTAL DIRECT COSTS:				\$7,800.00

Village of Orland Park

Cook

NA

Christopher B. Burke Engineering, Ltd.

NA

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

COMPLEXITY FACTOR 0

184,591

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Local Public Agency

Village of Orland Park

Consultant / Subconsultant Name

Christopher B. Burke Engineering, Ltd.

County

Cook

Section Number

NA

Job Number

NA

AVERAGE HOURLY PROJECT RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET1OF1

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES			Pre-construction			Construction Observation			Construction Documentation			Project Closeout					
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Engineer VI	82.63	20.0	1.61%	1.33	5	11.11%	9.18	10	1.03%	0.85				5	4.76%	3.93			
Engineer V	72.59	0.0																	
Engineer IV	59.41	1,220.0	98.39%	58.45	40	88.89%	52.81	960	98.97%	58.80	120	100.00%	59.41	100	95.24%	56.58			
Engineer III	46.80	0.0																	
Engineer I/II	36.22	0.0																	
Survey V	85.04	0.0																	
Survey IV	76.25	0.0																	
Survey III	66.63	0.0																	
Survey II	54.50	0.0																	
Survey I	38.75	0.0																	
Engineering Technician V	68.90	0.0																	
Engineering Technician IV	64.03	0.0																	
Engineering Technician III	42.86	0.0																	
Engineering Technician I/II	30.00	0.0																	
CAD Manager	70.83	0.0																	
CAD Technician II	53.29	0.0																	
GIS Specialist III	58.00	0.0																	
Landscape Architect	65.00	0.0																	
Landscape Designer III	40.50	0.0																	
Environmental Resource S	76.01	0.0																	
Environmental Resource S	60.78	0.0																	
Environmental Resource S	52.75	0.0																	
Environmental Resource S	30.92	0.0																	
Environmental Resource T	45.30	0.0																	
Engineering Intern	18.88	0.0																	
Business Operations Depa	57.69	0.0																	
		0.0																	
TOTALS		1240.0	100%	\$59.78	45.0	100.00%	\$61.99	970.0	100%	\$59.65	120.0	100%	\$59.41	105.0	100%	\$60.52	0.0	0%	\$0.00



YEARS EXPERIENCE: 39
YEARS WITH CBBEL: 30

EDUCATION

Bachelor of Science, 1993
Civil Engineering,
Construction Management,
Illinois Institute of Technology

PROFESSIONAL REGISTRATION

Professional Engineer, IL,
062.052377, 1998

PROFESSIONAL DEVELOPMENT

IDOT QC/QA Courses:
3-Day Aggregate for Mixtures

Level I Portland Cement
Concrete

Level II Portland Cement
Concrete

Level I Hot Mix Asphalt

Level II Hot Mix Asphalt

2 Day Nuclear Density

IDOT T2 Documentation
Reviewer

PROFESSIONAL AFFILIATIONS

Illinois Road & Transportation
Builders Association

AWARDS

2013 Recruiter of the Year,
Illinois Road & Transportation
Builders Association

W. Daniel Crosson, PE

Executive Vice President

Dan leads a staff of 53 engineers and technicians. He oversees CBBEL's Phase III contracts for CDOT, Illinois Tollway and IDOT. Dan has previously provided Resident Engineering services to numerous public and private sector clients, including IDOT, Illinois Tollway and the Capital Development Board. Throughout Dan's career at CBBEL he has overseen hundreds of miles of roadway construction and over \$100 million of roadway constructed. Dan served as FEMA Project Officer for Hurricane Katrina and Hurricane Rita Reimbursement, assigned to Austin and East Texas.

Spur Two Watermain, Village of Oak Lawn: Providing Project Manager services on Bid Package 7B. Managing the construction services provided in addition to the submittal review process using Submittal Exchange software. Assisting staff with the public outreach tasks and public meetings. Contract features a reinforced concrete intake structure, approximately 11,000 LF of 30 inch ductile iron watermain connection to existing reinforced concrete potable water reservoir and all restoration.

Main Street Bridge Reconstruction over Crystal Creek, Algonquin: Project Manager. Improvements include the full reconstruction of the concrete structure, superstructure with prestressed concrete deck beams and approach pavements. Due to the proximity of the neighboring buildings, drilled shafts were installed instead of piles. The project also included several decorative items such as pergolas, canopy lighting, decorative archway, raised urns and masonry columns and benches. Also included is 150LF of storm sewer improvements and 200 LF of watermain improvements.

Main Street Reconstruction and Streetscape, Algonquin: Project Manager for S. Main Street between Algonquin Road (Route 62) and Route 31. Improvements included wet utility replacement, dry utility replacement and coordination, and streetscape reconstruction. Streetscape improvements include a 22' wide PCC roadway, curb and sidewalk alterations via bump outs and parking stalls, sidewalk improvements to comply with ADA standards, ADA entrance ramps to buildings, 30,000 SF of decorative pavers, decorative light pole system, masonry seat walls and columns, custom gas fireplace, decorative tree wells, planter beds, and a large monument sign.

Madison Street Reconstruction and Streetscape, Forest Park and River Forest: Project Manager for Madison Street reconstruction and streetscape between Desplaines Avenue and Park Avenue. The third of a mile project included HMA full depth pavement to accommodate three 11' lanes and two 8' parking lanes. Roadway layout also includes 2 planted medians and bump outs to delineate the parking lanes. All sidewalks and driveways were removed and replaced, along with installation of decorative brick pavers within parkways and bump outs. A decorative light pole system was installed. Also included was the installation of 900 LF of new watermain to update Forest Park's existing watermain system.

TRANSPORTATION

I-90 (Jane Addams Tollway) Roadway and Bridge Reconstruction, Widening (Contracts 4206 and 4233), Illinois Tollway: Project Manager. Reconstruction of I-90 from Roselle Rd to Higgins Rd consisted of the complete replacement and widening of a 4-mile stretch of both EB and WB I-90. Improvements included new PCC concrete pavement, subgrade improvements, asphalt shoulders, crash barriers, storm sewer, lighting and electrical, and structural improvements. Work included construction of a new exit ramp and Toll Plaza at Roselle Road and ITS buildings and gantry foundations for an Active Traffic Management System. Structures included a precast PCC I-beam supported dryland bridge, 3 precast concrete double barrel culverts, 9 retaining walls, and 11 noise walls.

Retaining Wall, Noise Wall and Drainage Improvements, Illinois Tollway: This project involved construction of retaining wall, noise walls and drainage improvements along I-90 from Arlington Height Rd to Oakton St. The project included performance based retaining walls, which required design review and coordination with Tollway and utilities. As Resident Engineer daily duties included overseeing construction observation activities, coordination with adjacent contracts, facilitating meetings and coordination of materials inspection. Other duties included contract administration and preparation of change orders and pay estimates.

I-294 Northbound Exit Ramp at Balmoral Avenue: Project Manager for all Phase III services required during the construction of exit ramp and reconfiguration of existing SB entrance ramp. Supervised the Resident Engineer and subconsultant's staff. Coordinated all MOT changes on I-294 and various nighttime lane closures during the project. Construction was accomplished utilizing staged MOT NB and SB on I-294. All lane restrictions required on I-294 to facilitate construction tasks (beam removal and replacement, existing bridge demolition etc.) were restricted to 8pm to 5am.

I-80 Resurfacing (Harlem Avenue to I-294), IDOT: Project Manager. This project was constructed using ARRA funds, therefore, all documentation and material inspections were completed in accordance with federal

guidelines. Project included HMA surface removal, Class D pavement patching, resurfacing with polymerized HMA SMA binder and surface courses, placement of HMA binder and surface (Mix D) for shoulders and ramps, in-laid pre-formed plastic striping, surveillance loops, and all other miscellaneous items necessary to complete the work. Bridge work included deck patching, expansion joint replacement, and sealing of concrete deck. In addition, the ramp from I-80 East to I-57 North included reconstruction of the shoulder, embankment, and ramp lighting upgrades.

Contract R-06-5387, Illinois Tollway: Project Manager for Task Order contract involving Construction Management services for various Phase III projects. Projects completed to date include RR-05-5350 Bridge Repairs for Various Structures along the Reagan Memorial Tollway (I-88) and RR-06-5465 Reagan Memorial Tollway (I-88) Resurfacing. Ongoing projects include RR-06-9955 Reagan Memorial Tollway (I-88) Pavement Marking and I-05-5369 I-90 and IL 173 Interchange Construction.

Contract R-06-5346, Illinois Tollway: Project Manager/Resident Engineer on a maintenance project involving nine bridges on the Tri-State Tollway (I-294). Work included joint repair, bridge deck patching, barrier wall and noise wall repairs, and latex concrete overlays at NB Electric Ave and SB Butterfield Rd. The overlays utilized staged traffic in 5 phases, all other work was completed at night between 9:00pm and 5:00am. Concrete bridge deck repairs utilized Tollway PP-5 concrete mixed on site with a 3-hour cure time. Bridge joint repairs utilized a partial depth Delcrete system. Contract was awarded Bridge Contract of the Year-Rehabilitation by Illinois Tollway. Construction Cost \$3,500,000.

FAI-90/94 (Dan Ryan Expressway) at 33rd Street, Bridge Superstructure Replacement, CDOT: Project Manager for Phase III Services. Project included demolition of the existing deck, structural steel, pier caps and abutments; then installation of reinforced concrete abutments, pier caps, structural steel, reinforced concrete deck and parapets, lighting and signalization. Work coordinated with IDOT, CTA and ComEd. Construction cost ~\$6,500,000.

2015 Sheridan Road Water Main Improvements Water Main Lining, Evanston: Project Manager for the lining of approx. 1,800 LF of 18" water main, installation of approx. 1,800' of 18" ductile iron, 264 LF of 8" ductile iron water, 775 LF of 6" ductile iron water, 26 LF of 36" ductile iron water, and 15 LF of 30" ductile iron water main, 15 fire hydrants and 21 water services between Lincoln St and Emerson St, related appurtenances, concrete curb and sidewalk repairs, pavement patching, HMA street resurfacing, parkway restoration and all materials, labor, equipment, and incidental work.

McLean Blvd (Route 31 to Lancaster Circle); Stearns Road Corridor: Resident Engineer for construction of cast-in-place box culverts, detention pond excavation, embankments, 16,000 SY of 10" PCC jointed pavement, traffic signals (2 each). This contract also involved removal of an existing 60' timber trestle bridge owned by CNRR, and replacement with a 120' single span thru girder steel bridge viaduct and the appurtenant retaining walls adjacent to new railroad bridge abutments.

Stearns Road Corridor-Phase I, Wetland Mitigation, KDOT: Project Manager for construction of wetlands and detention ponds, as well as the embankment for proposed roadway and bridge approach. Approx. contract value is \$4.1 million. This included excavation of ponds and wetlands with spoil material being used to make the proposed highway embankment. The volume of earth moved was 170,000 CY. Also included was the creation of approx. 30 acres of wetland/compensation storage/detention ponds.

2009-2010 Bond Improvements, Glendale Heights: Project Manager for design and delivery of over \$9 million dollars of roadway improvements to various locations throughout the Village. Work included reconstruction, rehabilitation and resurfacing. Due to the retirement of the Public Works Director, CBBEL was relied upon to provide a seamless transition during the Village's recruitment and hiring process.

Rohlwing Road Reconstruction, Rolling Meadows: Full reconstruction of Rohlwing Rd from Industrial Ave to US 14 (Northwest Highway). Project included complete removal of existing pavement and sub-base, construction of a new drainage system, new water main and services, 10" PCC pavement, retaining walls and a bike path. Due to extensive industrial traffic the project was staged over a 2 year period.

Retaining Wall Replacement, I-294 North, Illinois Tollway: Project Manager for removal and replacement of a retaining wall for purpose of future widening of I-294. Proposed retaining wall was a T-Wall System and included a cast-in-place parapet wall.

I-PASS Lanes at Plaza 19 (River Road/1-90E), Illinois Tollway: Project Manager for switching of a manual lane to a multi-use I-PASS designated lane; as well as switching an automatic lane to a car only I-PASS designated lane. Included was the relocation of electrical components in the tunnel, concrete and asphalt pavement reconstruction, proposed signing, lighting improvements and median barrier wall modifications including drainage improvements.

Oak Creek Resurfacing, Lombard: Resident Engineer for improvements in the Oak Creek Industrial subdivision. Project included spot curb repairs, point repairs to storm sewers, signal modifications and reconstruction of intersection at Oak Creek and Tinley Road. Project was completed using MFT funding.

IL Route 58 at IL Route 62 Intersection Improvements, Rolling Meadows: Project Manager. Project consisted of new turn lanes, traffic signals and lighting in intersection with ADT of 70,000. Provided coordination with 8 private underground utilities within project limits and coordination with surrounding businesses.

I-PASS Lanes at Plaza 29 (I-294N) and Plaza 17 (I-90W), Illinois Tollway: Project Manager for switching of an automatic lane to an I-PASS designated lane. Project included relocation of electrical components in tunnel, new egress for tunnel, asphalt pavement reconstruction and median barrier wall modifications with drainage improvements. Daily duties included construction observation, coordination of material inspection and documentation of quantities. Other duties included shop drawing review, contract administration and preparation of change orders, extra work orders and pay estimates for CSE's review.

Terrace View West Improvements, Lombard: Full reconstruction of 6 blocks of residential streets. Project included several components: New watermain and new services to all homes; Point repair of sanitary sewer and new sanitary services to all homes; Complete replacement of storm sewer system; Complete reconstruction of 3,800 LF of roadways; Extensive landscaping improvements throughout project; Primary contact with all impacted residents throughout project; and Primary contact with grammar school located within project limits.



YEARS EXPERIENCE: 39
YEARS WITH CBBEL: 3

EDUCATION

Bachelor of Science, 1984
Civil Engineering
Illinois Institute of
Technology, Chicago

PROFESSIONAL REGISTRATION

Professional Engineer, IL,
062.047223, 1992

CERTIFICATIONS

Documentation of
Contract Quantities, IDOT,
20-16303

PROFESSIONAL DEVELOPMENT

ACI Concrete Field Testing
Technician, Grade 1

STTP-S19 Piling

STTP-S32 Drilled Shaft
Foundation Construction
Inspection

STTP -S51 Steel Structure
Inspection

STTP-S100 Contract
Administration

PRG -ADA PROWAG District
Training

BDE Special Waste,
Construction Projects and
Special Provisions

PROFESSIONAL AFFILIATIONS

Illinois Association of
Highway Engineers

Babatunde Owolabi, PE

Senior Resident Engineer

Professional Civil Engineer experienced in construction engineering and supervision of federally funded local agency contracts. He brings 37 years of IDOT experience to CBBEL. Various roles while working at IDOT include Civil Engineer, Assistant Resident Engineer, Resident Engineer and Local Agency Area Engineer. Baba's extensive experience while working at IDOT includes:

- Supervising Construction of Federal Aid Urban Secondary Contracts
- Conducting Preconstruction Meetings
- Reviewing Change Orders, Progress Schedules, and Extensions of Time
- Performing Plan Reviews for Constructibility
- Reviewing Contractor's Compensation Claims
- Contributing to Contract Administration Seminars
- Interpreting and Applying Standard Specifications, Special Provisions, Construction Memorandums, and Department Policies
- Resolving Conflicts between Contractors, Consultants, and Local Agencies
- Guiding Consultants through Proper Contract Administration to Ensure Federal Funding
- Administering State Highway Construction Contracts
- Conducting Project Progress Meetings
- Measuring and Documented Contract Quantities
- Conducting Final Inspection of Projects

At CBBEL Baba will be responsible for various construction engineering projects. Responsibilities will include contract administration, project management, construction inspection, field engineering, project engineering redesign and project coordination. Technical skills including field qualifications of material testing, construction layout and surveying, certifications for construction processes and contract documentation.

US 34 (Washington Street) from IL.31 to IL.25, in Oswego: Resident Engineer. This \$1.2 million project consists of the construction of two new traffic signal installations, traffic signal/railroad interconnect, traffic signal modification at three existing traffic signal installations, ADA sidewalk modifications, pavement marking and roadway signing.

Parker Avenue Sanitary Sewer Rehabilitation, Leyden Township: Resident Engineer. Project cost \$470,000. The project is a sanitary sewer rehabilitation at various roadways consisting of repairing defective sewer segments without excavation by using cured-in-place pipe(CIPP) liner.

Fairfield Avenue at Palmer Avenue Intersection Improvements, Leyden Township: Resident Engineer. Project cost \$510,000. The project involves earth excavation, aggregate base course, HMA binder and surface course, drainage improvements, PCC sidewalk, park benches, gazebo, lighting, landscaping, signage, and striping.

Wolf Road at Barry Avenue Intersection Improvements, Leyden Township: Resident Engineer. Project cost \$56,000. This is an intersection improvement consisting of pavement removal, pavement patching, HMA paving, landscaping, signage, and striping.

Garfield Avenue and Kraml Drive Sidewalk Improvements, Burr Ridge: Resident Engineer. The \$440,000 project consists of construction of PCC sidewalk, storm sewer installation, ADA ramps and all necessary landscape restoration.

Traffic Signal Modernization of Peck Road at Campton Hills Road, St. Charles: Resident Engineer. The \$480,000 project consists of the installation of permanent traffic signals and lighting, removal of the existing temporary traffic signals, re-striping of the intersection and nearby roadway, removal and replacement of curb and gutter, sidewalk, and bike path.

IDOT*

Local Agency Area Engineer (Southern Cook, Southern DuPage, Southern Kane and Will Counties) January 2008 - March 2022

Resident Engineer, June 1995 - December 2007

Assistant Resident Engineer, January 1988 - June 1995

Civil Engineer, July 1985 - December 1987

PROJECT EXPERIENCE

Weber Road Reconstruction from 135th Street to Normantown Road in Romeoville, IDOT*: Local Agency Area Engineer. Project cost \$25 million. This project consisted of reconstructing and widening the existing roadway. Intersection improvements consisted of new traffic signals, new sidewalk, new multi-use path and landscaping.

Pedestrian Bridge over Fox River at the ATC in Aurora, IDOT*: Project cost \$15 million. Local Agency Area Engineer. The project involved constructing a new pedestrian and bike path bridge over Fox River.

71st Street Reconstruction Under CSX Railroad Overpass in Bridgeview, IDOT*: Project cost \$18 million. Local Agency Area Engineer. The project involved grade separation of the roadway at the CSX railroad tracks. The project also included a new retaining wall, new pump station and landscaping.

Reconstruction and Resurfacing of IL 53 from Theodore Street to Caton Farm Road in Crest Hill, IDOT*: Project cost \$2 million. Resident Engineer. The project involved pavement patching, storm sewer improvements and resurfacing.

I-80 Truss Bridge Over Des Plaines River in Joliet, IDOT*: Project cost \$1.5 million. Resident Engineer. The project involved replacing various structural steel members that were deteriorated.

Reconstruction and Resurfacing of Peterson Avenue from Pulaski Road to Broadway Avenue in Chicago, IDOT*: Project cost \$3 million. Resident Engineer. The project involved radii improvement at some intersecting roads and resurfacing of the 6-mile roadway.

Bridge Reconstruction of Canfield Avenue Over I-90 in Chicago, IDOT*: Project cost \$7 million. Resident Engineer. The project involved removing and replacing the existing bridge deck and the replacement of some of the existing precast/prestressed concrete beams. New retaining wall as well as the widening of the adjoining Higgins Road and new traffic signals at Higgins Road and Canfield Avenue.

Resurfacing of North Avenue from LaSalle Street to Ashland Avenue in Chicago, IDOT*: Project cost \$2 million. Resident Engineer. The project consisted of pavement patching, storm sewer improvement and resurfacing.

**prior experience*