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Resident Engineer/Senior Construction Inspector

Town of Hunter, NY – Resident Engineer (EIC) (5/2023 – 12/2023) (CDM Smith) Bridge Replacement Project – PIN 1761.25 (2 M). Inspect Removal of Existing Superstructure and Substructures, Driving of H-Piles at Abutment Footing Begin/End, Structural Concrete (HP) for Reinforced (Epoxy) Footing/Stem/Backwall, Bearings, Pre-Cast Box Beams, Approach Slabs and Bridge Railing/Box Beam Guide Rail. Write Daily Reports and Engineers Diary, RFI's and Submittals, Conduct Progress Meeting and Generate Progress Payments – Utilize MURK Forms for Force Account Work. Check on WZTC.

Anchorage, AK – Public Assistance Specialist (11/2022 – 5/2023) (Tidal Basin)– Assist State of Alaska – Department of Health – get Projects Obligated – FEMA PA Grants (200 M+) for recent COVID Emergency Protective Measures (CAT B).

Schoharie County, NY – D264718 – I-88 – Resurfacing with Joint Repairs (5 Mile Work Zone – EB/WB) Resident Engineer (3/2022 – 11/2022) (Erdman Anthony Engineers) (\$5M) – NYSDOT – Region 9 – Resurfacing Project with Joint Repairs. Sequence of Work – Joint Repairs, T&L Shim Course, Binder and Top Course with Polymer Fibers and Guide Rail (Box Beam). Utilize SiteManager for Daily Pay Items, Material Acceptance and Engineers Diary. Conduct Progress Meetings, Correspondence with Contractor, Review Project Schedule, Process Bi-Weekly Estimates and Execute Change Orders – Agreed Price. Meet Requirements for FHWA Federal-Funded Projects.

Livingston County, NY – D040005 – County Route 62 Road Rehabilitation Resident Engineer (6/2021 – 10/2021). (Prudent Engineers) (\$3M). 11 Cross Culvert Replacements, 80 Plus SICPP Driveway Culverts, 3 Water Main Relocations and Milling and Resurfacing 5 Miles of Roadway per NYSDOT Specifications and Contract Drawings. Inspect contractors/subcontractors work, write daily reports with paid quantities, field change payment and produce monthly estimates. Use of Appia construction management software. Have bi-weekly progress meetings.

USVI – Hurricane Maria Public Assistance (PA) Recover (DR-4340-VI) Project Specialist/PDMG (2018 thru 6/2021) (CDMSmith) - Perform PA PDMG TFL/Site Inspection Duties. Enter Site Inspection INFO for USVI DPW ST. Croix Roads into Grants Manager System to Formulate Projects for FEMA's Grant Program. Utilize ArcGIS Pro to Group Road Projects into Watersheds – 428 Program – Fixed Cost Offer to Applicant. Train New Public Assistance Personnel Utilizing the Grants Manager Platform in ST. Croix, ST. Thomas and ST. John.

Rensselaer County, NY – D035340 – Preservation of 4 County Bridges (Local Federally Funded) Resident Engineer (2018) (CDMSmith) - (\$2M) – New Backwall(s), Concrete Deck, Approach Slabs, Bridge Railings, Guide Rail and Asphalt per NYSDOT Specifications and Contract Drawings. Inspect contractors/subcontractors work, write daily reports with paid quantities, orders on contract and produce monthly estimates. Use of Appia construction management software. Have bi-weekly progress meetings.

Harris County, TX – Hurricane Harvey Public Assistance Recovery (DR-4332-TX)
Project Specialist (2017/2018) (CDMSmith) Perform PA Site Inspections – City of Houston – Court System, Park Bridges, Harris County – Jury Assembly and Port of Houston Authority – Barbours Cut Terminal. Enter Site Inspection Documentation into Fema's Grant Manager Program to assist in Grant Initiation.

NYSDOT – D263174 – I-81 – General Bridge Repairs – 11 Bridges – R9 (2017)
Senior Construction Inspector (Lu Engineers) – Federal Aid Project (\$2M) - Bridge Joint Rehabilitation, Replacement of Bearings, Class D Repairs, New Approach Slabs, Bridge Railing, Guide Rail and Protective Sealing of Structural Concrete. Asphalt Operations – Milling, Base, Binder and Top. Write DWR's in SiteManager. Force Account Work – Murk 11/31.

Dutchess County – CR-43 – PO-17X and L- 43 Bridges over Wappinger Creek (2016) Resident Engineer (CDMSmith) – Rehabilitation (\$2M+) - Superstructure Replacement – Pre-Stressed Box Beams, Repairs to Abutments/Wing Walls and Concrete Deck. Write Inspection Reports and perform Monthly Estimates in Appia (Info Tech). Conduct Project Progress Meetings and Track Documentation for the Project.

NYSDOT, D900029 – RT 34 Bridge over Dean Creek, Waverly, NY (2015) Senior Construction Inspector (Liro Group) – Design/Build Project (\$2M) - NYSDOT Region 9 - Quality Control - Superstructure Replacement with Next Beams and Class D Repairs to Abutment and Wing Walls. Write DWR's in SiteManager and workup quantities for estimates. Check WZTC devices for staged work.

NYSDOT, D262890 – Pavement Markings, Horseheads, NY (2015)
Resident Engineer (PDG) - Pavement Markings (\$1M) – Southern Tier, New York – Inspection of Pavement Markings - WE and YE Epoxy Main Lines – NYS Routes – including I-86. Work also consisted of Symbols, Crosswalks, Letters, and Chevrons. Write Daily Reports, Pay Item quantities and run Pay Estimates.

NYSTA, D214237 – Rehabilitation of (4) Bridges, Irving, NY (2014)
Senior Construction Inspector (PDG) – Rehabilitation of (4) Bridges (\$2M) – Complete Deck/Floorbeam Removal. Pre-cast Floorbeam(s) installation/Concrete Deck/Half Barrier Walls. Inspect rebar installation and placement of concrete. Write Daily Reports, Pay Item quantities for work performed and track Force Account work.

NYSDOT, D262134 – Bridge Rehabilitation Project, Albany, NY (2013)
Senior Construction Inspector (PDG) - Bridge Rehabilitation Project (\$2M) - Complete Deck Removal and pouring of New Concrete Deck in 3 Stages. Bridge incorporating Stainless Steel Rebar and HP Concrete. Estimated construction value \$2 Million Plus. Utilize SiteManager to track Contractor Activities, Payment Quantities and Materials Acceptance on the Project.

FEMA, DR-4086-NJ – PPDR/DEMO, Monmouth County, NJ (2013)
PPDR/Demo Field Specialist (CDM Federal) – Perform Surveys/Monitoring of Private Property - Debris Removal and Demolition Program(s) as a FEMA Contractor – Hurricane Sandy.

Canandaigua (City of), WWTF Improvements,
Canandaigua, NY (2011) Resident Engineer/Inspector (GHD) – Advanced Secondary Improvements Project (\$2M). Demolition/Widening of RBC Structures, New Air Structure Cover(s), RBC's/Motors, MCC's and Electrical Improvements (Generator, ATS. Lighting, Flow Meters). Document Work is in Conformance with Contract Specifications. Write Daily Field Reports. Document Force Account Work.

Scarsdale (Village of), Popham Road Bridge Replacement, Scarsdale, NY (2010/2011)
Resident Engineer (Stantec) – Bridge Replacement Project (\$12M +) (New Concrete Abutment(s)/Steel Girder(s)/Concrete Deck) (Popham Road Bridge) in (3) Stages (Maintaining Road and Pedestrian Traffic) over Metro-North Railroad – Harlem Line. Document (Appia Software/Info Tech) the Prime/Subcontractor(s) work is in conformance with the contract plans, NYSDOT Standard Specifications (and Village Proposal) and Field Directives (EI's). Process Estimates, Force Accounts, Change Orders and Review Project Schedule.

Erie (County of), Parkview Bridge Rehabilitation, Akron, NY (2009)
Engineer in Charge (EIC) (CPL) - Bridge rehabilitation project (\$2M) (Piers, Pre-Cast Beams/Panels, Deck, Drainage and Safety Items) in Western, New York. Monitor and document the contractor(s) work - verify that the work performed is in conformance with the contract plans, NYSDOT Standard Specifications (Proposal) and Field Directives (EI's). Process Estimates, Force Accounts (Change Orders), Review Project Schedule and analyze/respond to RFI's.

SJTA, ACY International Airport Terminal Upgrade, Egg Harbor Township, NJ (2008/2009)
Senior Construction Inspector (Arora Engineers) – Monitor the interior upgrade to the main terminal building. Staging of work to maintain Airport Operations (Day and Night). Make provisions for the safe movement of passengers through the terminal. One Prime General Contractor and associated subcontractor(s). Terrazzo Floor – Grinding/"Sand Fill" low areas, waterproofing, layout of strips, placement of epoxy terrazzo, sealing and grinding/polishing of new floor. Fire Protection - Installation of new 6" Fire Main/branch piping and "Quick Release" sprinkler heads. Electrical – [FIDS] - Flight Information Display Systems – Installation of power and data conduits for future [FIDS] arrays. Installation of NEXLight – Programmable Control System (Occupancy Sensor(s)) and Light/ Emergency Fixtures. Installation of New speakers, microphones and Emergency Exit Lights. Plumbing - Installation of new sinks, urinals, water closet(s) fixtures and associated hardware at East Rest Rooms. HVAC – Installation of new mechanical "Dampers", control valves, instrumentation wiring to existing VAV boxes and associated new duct/diffusers. Balancing of system. Write daily reports, attend progress meeting, track T&M (takeoffs) and change orders. Interact with contractor's superintendent, project manager and airport personnel. Also review contractors Updated P3 schedule. Follow the schedule's Critical Path to see if the schedule reflects realistic loaded resources, start/finish dates and anticipated contingencies (work in/out of scope).

NYSTA, I-95 Highway Rehabilitation, Westchester/Bronx, NY (2008)
Senior Construction Inspector (Foitt-Albert) – (\$10M) - Monitor the construction of PCC pavement restoration (full depth slab repair, dowel bar retrofits and partials – Pavemend SLQ) and repair of four bridges for the NYS Thruway Authority on the New England section of I-95 in the Bronx and Westchester Counties. Write daily inspection reports and Murk - for force account (T&M) work performed by the contractor.

Monroe (County of), Public Service Cell Towers Construction, Monroe County, NY (2007)
Senior Construction Inspector (CHA) – Monitor the construction of (8) Public Service (911) Cell Towers in Monroe County, NY. (\$2M) Majority of sites (6) included the erection of a 180' Sabre Tower, installation of a communication building, propane tank and Cummins gas generator. Concrete/Rebar work – Tower foundations and (3) concrete pads. Also - majority of sites – included building an access road and a facility that is fenced. Write daily inspection reports and update the project schedule in Excel. Interact with all three Primes – General, Electrical and Mechanical.

FEMA, DR-1603-LA, PPDR/DEMO, St. Tammany/Washington Parish, LA (2006)
Debris Specialist (Dewberry) – Contractor to Federal Emergency Management Agency – Monitor Public Assistance applicant debris operations for hurricane disaster DR-1603 (Katrina) in Louisiana. Assess Right-of-Entry storm damage for local residents (Hazardous Trees and Stumps, C & D and demolition). Also reassess

original assessor's assessment when contractor is on-site to remove hazardous tree(s) and C & D debris. Write reports in MS Word/Excel – use of GPS, geographic information systems and digital camera.

FEMA, DR-1609-FL, Palm Beach County, FL (2005/2006)

Debris Monitor (Dewberry) – Contractor to Federal Emergency Management Agency – Monitor Public Assistance applicant(s) debris operations for hurricane disaster DR-1609 (Wilma) in Florida. Inspect water control districts/canals for eligible debris – write reports in MS Word/Excel – use of GPS, geographic information systems and digital camera.

FEMA, DR-1589-NY, Columbia/Sullivan County, NY (2005)

Project Officer (Dewberry) – Contractor to Federal Emergency Management Agency - Write PW's (Project Worksheets – FEMA Grant(s) for various applicant(s) (local highway departments) affected by DR-1589 (Severe Storms and Flooding) for structural damage to local roads, bridges and public facilities. Worksheets included a scope of work, description of work and calculations – to be performed based on approved cost codes or already performed based on a contract or actual labor, material and equipment data – including benefits. Use of MS Excel to produce PW's (Project Worksheets), GPS and digital camera.

NYSDOT, I-481 Bridge Improvements, East Syracuse, NY (2004)

Senior Construction Inspector (DKI)- Inspection of a NYSDOT Region 3 construction project on I-481 (\$5M) - 26 bridge improvements - pier caps/pedestals/columns/walls - structural concrete repairs, bearing restoration, deck repairs, joint repairs, parapet repairs and bike railing installation. Write daily reports (IR's); create MS Excel spreadsheets to calculate/generate payable quantities. Use of a Civil Engineering Estimate System (CEES) to track (paid/work in progress) estimate items. Construction work in conformance with safety guidelines - OSHA 1926.

Yonkers Construction Company, Manhattan Bridge, Yonkers, NY (2003)

Claims Analyst (Yonkers) - NYCDOT Manhattan Bridge Project - Analyzing existing construction/engineering documentation on the bridge project - Assist Company validate existing work done and package claim. Use of excel spreadsheet to analyze quantities paid in the estimate(s).

NYSDOT, I-287 CWE Bridge Reconstruction (8 Bridges), Westchester, NY (2002/2003)

Construction Inspector (Boswell) -NYSDOT Project - Cross Westchester Expressway - I-287. (\$20M)

Construction Inspection - reconstruction/seismic retrofitting of eight bridges - structural reinforcement at abutments, footings, columns, pier caps, superstructure - stringers, deck and walkway. Write daily inspection reports, check adequate provisions for maintenance and protection of traffic (pedestrian and vehicle), material testing of structural concrete. Compliance with OSHA 1926.

Kodak, General Electric, Pfizer, Xerox – NY, PA, CT, VA (1998/2002)

IT Consultant - Systems Engineer - Provide 2nd & 3rd level technical support for Sun Enterprise type systems. Build/integrate systems to customer's specifications, test, document system builds and assist with installing systems into a production environment. Project Scheduler - GE Industrial (Contractor) at General Electric Power Systems - e-Engineering division - Run GEPS and eBOM reports reflecting current critical-path P3 schedules. Add new projects, resources and activities to the GEPS (P3). Update activities - actual start/finish, duration, predecessors and successors. Level and unlevel schedules - weekly meetings discussing loading of resources, float and scope of work/contingencies. ODBC and MS Access database queries/reports.

NYSDOT (Region 11), Long Island City, NY (1992/1998)

Civil Engineer I - State liaison for FHWA funded NYCDOT highway projects (sidewalks, underground vaults, utilities, concrete base pavement, pedestrian ramps, street lighting, newsstands, paver's and traffic control) throughout the five boroughs of NYC. Process payment vouchers and change orders. Write inspection reports

detailing maintenance, protection and traffic items. Materials Inspector at NYC concrete plants, perform moisture tests and yearly automation certification. ACI certified - Concrete, MURK, NYSDOT SPECS. GIS Regional Coordinator - GIS coordinator at NYSDOT automation group - Diagnosing and resolving of hardware/software problems. Assess project requirements, propose solutions and implement solutions. Interface and coordinate problem identification with technical support. Attend scheduled project team meetings and meet project milestones. Installation of systems software, download vendor's patches to issues and train end-users. Five years Unix Sun Solaris service, UNIX fine-tuning, OpenView, NFS V2, NFS V3, SAMBA, Common Desktop environment (CDE), 10 BaseT, Ethernet. GIS Coordinator - Implement Regional (NYC) GIS (Geographical Information System) Network. GIS Network consist of clients - IBM 750's/340's Pentium's running Windows 3.1/95 (ArcView 3.0a platform) linked to a Sun SPARC station 20 server running Solaris 2.5 (Arc/Info platform). Provide technical support to GIS community in the region - troubleshoot, train, correspond (e-mail), document and provide the latest information (software) to keep clients online. Designed/built various GIS applications for NYSDOT using MapBasic/Avenue/MDL programming languages. Designed an "active construction" GUI using the MapBasic language. The application provides spatial information of current highway and bridge projects in the five boroughs of New York City. A user could display the current information (Engineer, Consultant, Project Status, etc.,) by clicking on various project icons. Designed an ArcView project that displays various views of political districts of New York City. A user could "hot link" to a political member's home page by just clicking inside her or his districts. Configure SAMBA to network Windows 95 PC's and LAN Workplace for DOS/NFS client to network Windows 3.1 PC's. Load MAGIS (spatial) datasets onto the Sun box. Maintain disk and file organization on the Sun box. Perform Solaris tape backups. Manage client accounts on the Sun box (change UNIX file permissions for clients). Configure HP jet direct printer cards. Install Netscape and Internet Explorer software. Update IP addresses/node names, router/gateway/subnet information and Internet web pages. Update scripts and operating system when needed.

EDUCATION (1980)

SUNY – OCCC

A.A.S. in Accounting/Computer Science

U.S.N.R. (1985/1992)

(AE-21) (ACU1) (AOE-3) (NMCB-13)