**RELEVANT EXPERIENCE:**

**Years of Experience:**

7

PKB ENG.: 05/2013 - 05/2019

M&J ENG.: 05/2019 - Present

**Education:**

B.S., Civil Engineering, 05/2013

Manhattan College, Bronx, NY

**Certifications:**

* Reinforced Soil Wall and Slopes, DFI-CSCE, West Haven, CT
* Geotechnical Issues in Energy Projects, Berlin, CT
* Forensic Geotechnical Engineering, Meriden, CT
* FHWA-NHI-Course 130055: Safety Insp. of In-Service Bridges, 2014
* FHWA-NHI-Course 130087: Insp. / Maint. of Ancillary Highway Structures, 2015.
* ACI Concrete Field Testing Technician Grade 1. Certification ID: 01891807.

**Cards: TWIC** and **SWAC** for Port Authority NY & NJ.

**Languages:** English and French.

**Key Qualifications:**

Mr. Jules has over seven years of engineering experience primarily through inspecting bridge structures and design services for the New Jersey Turnpike Northern and Southern Bridge Deck Repairs and Resurfacing, Miscellaneous Structural Repairs, and the Design of Oak Street bridge in West Virginia. Mr. Jules has served as an Assistant Team leader on several inspection projects for the NJTA, NJDOT, and New Jersey Transit. Mr. Jules has served as the chief inspector / consultant for NYSDOT Region 8 for the Bridge Major Rehabilitation in the Town of Ghent, NY, and Route 312 at I-84 Ramps Intersection Improvement, Town of Southeast, Park and Ride Improvement and Expansion Route 52, Town of East Fishkill NY using Site Manager software for reports and payments.

**Pedestrian Safety Action Plan (PSAP), Signalized Intersections Town and City of Poughkeepsie, Dutchess County (NYSDOT, Region 8):**

**NYSDOT, D264056 The Pedestrian Safety Action Plan (PSAP), Signalized Intersections in the Town and City of Poughkeepsie, Dutchess County, Region 8, Structural Engineer / Chief Inspector cost $4M (Started 04/06/2020, In progress):** The project provides for the replacement or upgrade of existing traffic signal equipment, reconstruction or installation of curb ramps and installation of rectangular rapid flashing beacon sign assemblies at various locations in Dutchess County.I was responsible for the overall inspection and supervision of two other inspectors, review reports and payments using Site Manager software, and updating schedules as needed. *REF:**EIC: Alexander Mans (845) 476-1691, Regional Construction Engineer: Scott Geiger, PE (845) 431-5957, Regional Director: Lance MacMillan, PE (845) 431-5750. (2020).*

**Park and Ride Improvement and Expansion: Route 52 at TSP Exit 38, Town of East Fishkill, Dutchess County (NYSDOT, Region 8):**

**NYSDOT, D264115, the Park and Ride Improvement in the Town of East Fishkill, Dutchess County, Region 8, Structural Engineer / Chief Inspector cost $1.6M (Started 07/17/2020, In progress):** The project is about upgrading the existing park and ride lot on Route 52 on the east side of the Taconic State Parkway in the town of East Fishkill, Dutchess County. The work consists of a pavement overlay, pavement markings, upgraded lighting, and minor aesthetic improvements. A new park and ride lot is being constructed on Route 52 on the west side of the Taconic State Parkway in the town of East Fishkill, Dutchess County to expand upon existing service. The work consists of full depth pavement, pavement markings, lighting, drainage system, demolition of existing structures, and landscaping.I was responsible for the overall inspection and supervision of two other inspectors, review reports and payments using Site Manager software, and updating schedules as needed. *REF:**EIC: Alexander Mans (845) 476-1691, Regional Construction Engineer: Scott Geiger, PE (845) 431-5957, Regional Director: Lance MacMillan, PE (845) 431-5750. (2020).*

**Route 312 at I-84 Ramps Intersection Improvement, Town of Southeast, Putnam County (NYSDOT, Region 8):**

**NYSDOT, D263786 The Route 312 at I-84 Ramps Intersection Improvement in the Town of Southeast, Putnam County, Region 8, Structural Engineer / Chief Inspector cost $2.14M:** The project was about upgrading pavement markings to improve transitions on Route 312. Mill and overlay top course asphalt where pavement markings are replaced (4550 Feet total). Upgrade of traffic signs to better guide motorists to the correct lane on approaches to intersections, and to meet current MUTCD Standards. Signal upgrades and replacements of the poles with new concrete foundations to accommodate new signs, signal heads, span wires, signal cables, and retroreflective backplates, and signal loop and microcomputer cabinet replacements at all signals.I was responsible for construction inspection, reports and payments using Site Manager software, and updating schedules as needed. *REF:**EIC: Alexander Mans (845) 476-1691, Regional Construction Engineer: Scott Geiger, PE (845) 431-5957, Regional Director: Lance MacMillan, PE (845) 431-5750. (2019).*

**Bridge Major Rehabilitation (NYSDOT, Region 8):**

**NYSDOT, D263881 The rehabilitation of the RTE. 66 Bridge over Kline Kill S.H. 1332 in the Town of Ghent, Region 8, Structural Engineer / Chief Inspector cost $1.4M:** The project was about Class A and D repairs over the abutment breastwalls, sawcut and repour the abutment backwalls and wingwalls with new reinforcement with Class A concrete, repair the girders by cutting and welding new sections including bearing stiffeners. Changing all the bearings to elastomeric bearings, repour the pedestals, replace the entire deck. The project also involves new asphalt pavement in the approaches over 2000 Feet total. Pavement was done in three course manners before putting the blacktop, the subbase course was compacted very well by the contractor, the base course followed the subbase and the binder course followed the base course were compacted by the subconsultant to the contractor before putting the blacktop. All compaction was done with water.I was responsible for construction inspection, reports and payments using Site Manager software, and updating schedules as needed. *REF:**EIC: Dean VanAlstyne (845) 476-2763, Regional Construction Engineer: Scott Geiger, PE (845) 431-5957, Regional Director: Lance MacMillan, PE (845) 431-5750. (2019).*

**Bridge / Structural Inspections:**

**Lincoln Tunnel Approach Bridges and the Helix (Port Authority NY & NJ), 2019 Biennial Inspection, Assistant Team Leader:** Performed the field inspections and condition evaluations for the bridge decks and superstructures, for all the approach structures on the New York side and for the Helix on the New Jersey side for the Port Authority of NY & NJ as a Subconsultant for HNTB. REF: Paul Milza (201) 522-2263, Rudy Baliga (315) 212-2390.

**Bridge / Structural Inspections:**

**Delaware River Port Authority, 2018 Biennial Inspection of the Walt Whitman Bridge, Assistant Team Leader:** Performed the field inspections and condition evaluations for the bridge superstructure, for all the approach structures, and all the sign structures on the New Jersey side for the Delaware River Port Authority. (HAKS / ATANE) Samer Hassan, 732-744-1490 x403, samerhassan@haks.net

**Bridge / Structural Inspections:**

**New Jersey Turnpike Authority Bridge Inspection Program – Major Bridge (2018):** Performed routine NBIS inspections, and bridge condition evaluations for the Major Turnpike and Parkway Structures and the off-year inspections for the routine bridges on the Turnpike, as a Subconsultant for GPI (A3575). Prepared inspection reports, and SI&A updates for 84.24N&S and E107.88. Ref: (GPI) Mark Nyerges, 908-236-9001, mnyerges@gpinet.com.

**Bridge / Structural Inspections:**

**New Jersey Department of Transportation (NJDOT), 60 Passaic County Bridges, Engineer / Assistant Team Leader:** Performed the field inspections and condition evaluations for the bridge decks, superstructures and substructures for the structures specified under the above contract. Prepared reports based on inspection findings to prioritize repairs, including resurfacing, deck panel replacements, spall and joint repairs. (2017). Ref: (NJDOT) Imran Ahmad, 609-530-5587, Imran.Ahmad@dot.nj.gov.

**Bridge / Structural Inspections:**

**New Jersey Turnpike Authority, Inspection and Rating of Bridge Inspection Program – Part A, Assistant Team Leader:** Performed routine NBIS inspections, and bridge condition evaluations for the Major Turnpike and Parkway Structures and the off-year inspections for the routine bridges on the Turnpike, as a Subconsultant for GPI (A3575). Prepared inspection reports, and SI&A updates for 84.24N&S. (2016). Ref: (GPI) Mark Nyerges, 908-236-9001, mnyerges@gpinet.com.

**Bridge Replacement:**

Engineer / Assistant for the Design of Oak Street bridge in West Virginia. The bridge is over a creek, and the hydraulic modeling was done using Hec-Ras software for review. (2015).

**Bridge / Structural Inspections:**

**New Jersey Department of Transportation (NJDOT), 60 Passaic County Bridges, Engineer / Assistant Team Leader:** Performed the field inspections and condition evaluations for the bridge decks, superstructures and substructures for the structures specified under the above contract. Prepared reports based on inspection findings to prioritize repairs, including resurfacing, deck panel replacements, spall and joint repairs. (2015). Ref: (NJDOT) Imran Ahmad, 609-530-5587, Imran.Ahmad@dot.nj.gov.

**Bridge Rehabilitation:**

**New Jersey Turnpike Northern and Southern Bridge Deck Repairs and Resurfacing and Miscellaneous Structural Repairs, Engineer / Assistant Team Leader:** Performed the field inspections and condition evaluations for the bridge decks and wearing surfaces for the structures specified under the above contract. Prepared reports based on inspection findings to prioritize repairs, including resurfacing, deck panel replacements, spall and joint repairs. Prepared contract documents including plans, cost estimates, and specifications. The design included extensive MPT and construction staging plans to maintain traffic during the required redecking work. (2013/2014).

**New Jersey Turnpike Authority Bridge Inspection Program – Part A (2014), Assistant Team Leader:** Performed routine NBIS inspections, and bridge condition evaluations for the Major Turnpike and Parkway Structures and the off-year inspections for the routine bridges on the Turnpike, as a Subconsultant for HNTB. Prepared inspection reports, and SI&A updates for all major bridges, Newark Bay and Laderman. Ref: (HNTB) Scott Cavanaugh, 201-528-9100, scavanuagh@hntb.com.

**Bridge / Structural Inspections:**

**New Jersey Turnpike Authority Bridge Inspection Program – Part B (2013, 2014 and 2015), Assistant Team Leader:** Performed routine NBIS inspections, bridge condition evaluations for the New Jersey Turnpike Authority. Prepared comprehensive District inspection reports for each district covered under that specific project utilizing the InspectTech database. The project had more than 100 bridges in 2013, more than 65 in 2014, and more than 70 in 2015 over the New Jersey Turnpike. Ref: (HNTB) Scott Cavanaugh, 201-528-9100, scavanuagh@hntb.com.

**New Jersey Turnpike Authority and Garden State Parkway Bridge and Sign Inspection Programs, Assistant Team Leader:** Performed routine NBIS inspections, and SI&A updates for the New Jersey Turnpike Authority. Prepared a comprehensive report for each Area covered under that specific project according to recent NJTA standards which includes use of InspectTech database. The work involved extensive traffic control coordination and the use of lift trucks. The project involved more than 50 bridges (2013/2014), and more than 60 (2014/2015). Ref: (HNTB) Scott Cavanaugh, 201-528-9100, scavanuagh@hntb.com.

**New Jersey Transit Undergrade Bridges, Assistant Team Leader:** Performed in-depth Inspection and evaluation of 11 NJ Transit Undergrade Bridges for New Jersey Transit. Prepared inspection reports for each bridge containing inspection findings, recommendations, cost estimates, load rating calculations, photographs, drawings, and updated bridge management forms. Lift trucks, traffic control, and railroad flagging was utilized to gain hands-on inspection access for the superstructure members. (2013/2014). Ref: (GPI) Mark Nyerges, 908-236-9001, mnyerges@gpinet.com.