

## **MADHUKAR SIDDAPPA**

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### **SUMMARY:**

Senior Construction Inspector with 12 years of comprehensive construction engineering inspection experience and current, relevant experience on highway infrastructure projects. Experience includes inspection of water mains, sewers, roadway reconstruction, sidewalks & curbs; developing as built drawings of water mains, sewers, sidewalks & curbs as per the site conditions; developing field reports and generating daily work reports (DWR) in AASHTO Site Manager; updating TAMS (Transportation Asset Management System) on work order basis; expert in lane closures (MPT) on expressways; QA/QC; construction site safety; concrete testing (slump, air, temperature & cylinders); and coordination of various agencies (JTMC (Joint Traffic Management Center), utility agencies (Con Edison, National Grid, PSEG), DEP (Department of Environmental Protection), DOT (Department of Transportation), NJTP (New Jersey Turnpike), TBTA (Triborough Bridge and Tunnel Authority), tree consultant, Parks & Recreation. Have also assisted Resident Engineer with various critical activities at the job site.

### **EDUCATION:** NYU Tandon School of Engineering, New York City, USA

Master of Science Degree in Construction Management

Graduation Date: May 2009

### **M.S. Ramaiah Institute of Technology, Bangalore, India**

Bachelor of Engineering in Civil

Graduation Date: July 2005

### **REPRESENTATIVE EXPERIENCE:**

#### **April 21- Present Senior Construction Inspector – M & J Engineering, PC, NYC, USA**

**NYC DDC Project (SANDR04):** B 108<sup>TH</sup> Street streetscape improvements from Shore Front Parkway to Beach Channel Drive

Including construction of storm sewers, distribution water mains (8", 12", 20") and appurtenances, street lighting and traffic work. **(GOSR FUNDED)**

**Contract Value: \$ 14,000,000**

#### **April 20- April 21 Senior Construction Inspector – M & J Engineering, PC, NYC, USA**

**NYSDOT Design-Build Project (D900047):** Skanska ECCO III HPA JV

Hunts Point Interstate Access Improvement Project – Contract 1

**Contract Value: \$ 459,710,000**

#### **Jan 19- April 20 Senior Construction Inspector – M & J Engineering, PC, NYC, USA**

**NYC DDC Project (HWPR18R):** Rehabilitation of pedestrian ramps at designated locations- Staten Island.

**Contract Value: \$ 9,329,900**

#### **Oct 17 – Dec 18 Senior Construction Inspector – M & J Engineering, PC, NYC, USA**

**NYC DDC Project (SEQ200492):** Construction of storm sewers & sanitary sewers including water main work at various locations (Bay Side: Queens) 41 Avenue b/w 233<sup>rd</sup> street & 235<sup>th</sup> street, 28<sup>th</sup> Ave b/w Corporal Kennedy street & 208 street, Corporal Kennedy street b/w 23<sup>rd</sup> Ave & 26<sup>th</sup> Ave & b/w 28<sup>th</sup> Rd and 30<sup>th</sup> Ave.

**Contract Value: \$ 6,593,834**

#### **Feb 17 - Oct 17 Senior Construction Inspector – M & J Engineering, PC, NYC, USA**

**NYSDOT Project (D263109;Pin:0809.21;F.A.Number:M0E1-0809-213):** Bridge repair contract at various locations Nassau & Suffolk.

**Contract Value: \$ 13,000,000**

Project consists of component repairs at various bridge locations including bearing replacement, structural lifting, concrete repairs, joint replacement; bridge overlay replacement & pavement striping.

June 16 - Feb 17 **Senior Construction Inspector – M & J Engineering, PC, NYC, USA**

**TBTA Project (VN-80C/VN-35):** New Ramp and Miscellaneous Repairs and painting at the VERRAZANO-NARROWS Bridge.

**Contract Value: \$ 84,300,000**

Project involved reconfiguration/replacement of Belt Parkway Ramps F & B, construction of New Ramp J for the HOV lane to connect the Verrazano Bridge upper roadway with Gowanus HOV lane, miscellaneous street repairs and painting at the Brooklyn Ramps, site improvement and approach roadway reconstruction.

Jan 15 – June 16 **Senior Construction Inspector – M & J Engineering, PC, NYC, USA**

**NJTA Project (A600.277):** Guide Sign Improvements on NJ Turnpike & Garden State Parkway NJTP Milepost E105.5-116.5 and W105.5-116.5

GSP Milepost 128.3 to 143.2

Bergen, Essex, Hudson, Middlesex and Union Counties.

**Contract Value: \$21,674,244**

Project involved construction of new VMS and ground mounted signs on NJTP and GSP.

Duties included:

- Reviewed and assisted engineers with applications for payment for contractor.
- Assured that drawings, field calculations & design standards are in accordance with client standards and also ensured QA/QC is in accordance with the contract.
- Monitored construction activities and other site-work inspectors, technicians (concrete testing) & made sure that proper codes and standards are being complied on assigned tasks.
- Prepared, developed and assisted Resident Engineer in the development of punch lists.

Nov 13 – Dec 14 **Senior Construction Inspector – M & J Engineering, PC, NYC, USA**

**NJTA Project (T 200.265):** Drainage Repairs (2013) from Mileposts 117 to 122, New Jersey.

**Contract Value: \$14,000,000**

Project involved diversion of stream flow, relining of various CMP & RCP pipes using centrifugally cast concrete and resin liner, drainage system cleaning and video inspection, and various drainage system repairs from Mile 117 to 122 in Bergen County, New Jersey.

Duties included:

- Performed daily inspections & prepared IFR's (inspector field reports) and participated in the project schedule meetings.
- Prepared & updated pay estimates (excel sheets) and submitted to resident engineer.
- Prepared and updated as built drawings as per the project schedule meetings.

June 13- Oct 13 **Senior Construction Inspector – M & J Engineering, PC, NYC, USA**

**NYS DOT Project (D262195):** (I-84) Gated Emergency Access S.H. 9482 Taconic State Parkway south bound in the town of East Fishkill (NY).

Project involved construction of Emergency Access from Brookside Drive to Taconic State Parkway to I-84 WB Ramp in the Town of East Fishkill.

Duties included:

- Performed well defined field engineering assignments and maintained first-level quality Assurance to confirm that the installation of all work is in accordance with the plan and as per specifications of NYSDOT standards.
- Interacted and coordinated with various internal project stakeholders including contractors, clients and QA/QC.
- Prepared and reviewed daily work reports (DWR) in AASHTO Site Manager and made payments on daily basis.
- Performed concrete tests in the field as per ACI standards.
- Coordinated and reported to Engineer in Charge (EIC) daily and discussed the ongoing field activities at the jobsite.
- Managed and successfully finished the project individually.
- Assisted Office Engineer with the test reports and payments in AASHTO Site Manager.

Jan 12 – May 13 **Construction Inspector – M & J Engineering, PC, NYC, USA**

**NYS DOT Project (D261780; PIN: X805.96.301):** ITS Field Network System Support on all State Highways in all Counties of NYC.

**Contract Value: \$5,484,999.97**

Project involved preventive maintenance (PM) of existing ITS system field equipments and maintenance repairs/replacement of detective/damaged ITS system components and

infrastructure elements to keep the ITS system in optimum functional operation.

Duties included:

- Coordinated with JTMC about the CCTV's & VMS's in all 5 boroughs of NYC while conducting the PM & WO (work order).
- Worked on ITS inventory (RFID tag) of ITS equipments and entered in database.
- Coordinated & inspected the lane closure (MPT) in all major expressways of NYC & made sure that safety is done according to MPT plan.
- Worked on TAMS regularly on work order basis.
- Developed & generated daily work report in AASHTO Site Manager.
- Inspected & recorded the fiber optic splicing (fusion splicing) for the respective work order's.

Oct 10-Jan 12

**Construction Inspector – M & J Engineering, PC, NYC, USA.**

**NYC DDC Project (HWXP093A):** Reconstruction of Pratt Avenue Area (Bronx)

**Contract Value: \$11,552,750**

Project involved modifying the existing sewers (24" & 36"), distribution of water mains (6", 8" & 12") and installation of fire hydrants, hydrant valves, catch basins, sidewalks, curbs, pedestrian ramps, street signs, traffic lights and roadway reconstruction.

Duties included:

- Developed as built drawings of std catch basin's, DIP basin connection, fire hydrants and distribution of water mains as per site conditions.
- Coordinated with utility agencies and assisted them in regards to gas cost sharing field data reconciliation.
- Tracking contractors work and made sure that safety is according to MPT plan.
- Prepare field reports on daily basis and Developed as built drawings of std catch basin's, DIP basin connection, fire hydrants & distribution submitted to Resident Engineer.
- Monitored contractor's work to ensure that it is completed in accordance to specifications in the contract and in the plan.
- Inspected & prepared the punch list of the project at the final phase of construction and submitted to Resident Engineer.
- Inspected code53 (permit) of respective locations before the construction work is started by GC.

Oct 09-Oct 10

**Construction Inspector – Haider Engineering, PC / Siddiqui Engineering (J.V.), NYC, USA.**

**NYC DDC Project (HWS2009Q):** Resident Engineering inspection services for sidewalks and curbs in Brooklyn & Queens.

**Contract Value: \$5.0 million**

Project involved installation of sidewalks (4" & 7") & curbs (18"), pedestrian ramps and hydrant Fenders for fire hydrants.

Duties included:

- Inspected Sidewalks and Curbs at various locations in Brooklyn & Queens.
- Conducted onsite inspections of construction materials, grade elevations and underground utilities at various locations.
- Prepared Daily Inspector's Reports of various locations and submitted to Resident Engineer.
- Developed as built drawings of Sidewalks and Curbs of various locations.
- Monitored safety compliance at the jobsite.

Aug 09-Oct 09

**Safety Compliance Officer (INTERNSHIP) – Attri Enterprises, Inc, New York City, USA.**

**Project:** Con Edison (Manhattan) and Roberto Clemente State Park.

- Inspect and test Hand and Power tools to make sure that they meet safety standards.
- Prepared Daily Site Safety log.
- Make sure that PPE (Personal Protective Equipments) is being used in workplaces according to regulations.

Sep 07–May 09

**Teaching Assistant – Department of Civil Engineering, NYU.**

- Evaluated overall performance of students through weekly assignments and quizzes.
- Assisted Professor in proctoring and grading examinations.
- Held additional office hours for students with difficulty in learning.

Dec 06–Aug 07

**Quality Control Engineer – Synergy Property Development Services (INDIA) Pvt. Ltd.**

**Project:** Construction of Software Parks.

**Contract Value: \$32.0 million**

- Quality Monitoring of various aspects of construction.  
[Reinforcement, shuttering, concreting, exterior works and interior works]

- Initiated and discussed quality related problems in the field between contractors and execution engineers and chaired meeting with them.
- Performed Cube test, Core Cutter test, Sieve Analysis for Aggregates in the lab.
- Actively participated in Quality Audit in the site.
- Maintained and Updated Quality & Progress reports on site.

Aug 05–Dec 06 **Assistant Engineer (Projects) – Puravankara Projects (INDIA) Ltd.**

**Project:** Construction of Residential Apartments.

**Contract Value: \$22.3 million**

- Worked as Assistant Project Engineer for a residential construction project valued in excess of \$20 million.
- Required to prepare daily construction logs.
- Developed as-built drawings for other residential construction projects (In-house Projects).
- Assisted and supported the scheduling team in the development of weekly project schedules.
- Held meetings with inspectors on site to keep development process proactive.
- Monitored civil works at the site and coordinated with design team.

**SKILLS & EXPERTISE:**

Visio, Construction Site Management, QA/QC, AASHTO Site Manager, Construction Safety, CapEx Manager, ITS Inspection (Preventive Maintenance & Work Order), ITS inventory, SWPPP Inspection, Concrete Testing (ACI- Grade I), TAMS (Transportation Asset Management System), Construction Engineering Inspection, MPT (Maintenance & Protection of Traffic), Asphalt Paving, Catch basin chute connections, Water Mains (Distribution of WM's (8" 12", 20", Hydrant Connections, Services- Tap cards))

**AGENCY EXPERIENCE:**

NYS DOT, NYC DOT, NYC DDC, Con Edison, TBTA, NJTA.

**CERTIFICATIONS:**

**NYC DDC Water Main Inspection Certification.**

**NYC DOB 4-Hr Supported Scaffold User Certificate.**

**NYSDEC 4-Hr Erosion and Sediment Control (E&SC) Training Certificate.**

**MTA NYC Transit Track Safety Certification.**

**ACI Concrete Field Testing Technician Grade 1.**

**New Jersey HMA Construction Technologist Certification (NJSAT).**

**Traffic Control Coordinator Program (TCC).**

**10 Hr OSHA Safety Training Certificate.**

**30 Hr OSHA Safety Training Certificate.**