

Bernardo Basilio, P.E. – Project Engineer



New Stapleton Infrastructure, Staten Island, New York. Client: NYCEDC

Supervise design of signal plans, pavement marking design and impact of bicycle lanes. Coordinate various conflicts of utilities and signal conduits. Prepare cost estimates for various alternates. Develop alternates to evaluate the best cost-return for \$ amount.

Hunters Point South Infrastructure, NY. Client: NYCEDC/NYCDOT. As Project Engineer, directed the traffic study including traffic analyses, generate volumes, direct capacity analyses, develop MPT, pavement marking, signal system design, and signing plans. All plans were developed in accordance with NYCDOT design guidelines. Developed detailed signal design for several intersections. Coordinated with several agencies including NYCDOT, Parks, and DEP.

Yankee Stadium Street Works, New York. Client: NYCEDC/NYCDOT. Project engineer for this high profile program management task for the construction of the new Yankee Stadium and other construction projects around the stadium. He is responsible for the over all traffic and transportation engineering tasks that will include review of counts, capacity analyses, traffic detours, MPT plans, signal design review and pavement marking plan review. Coordinated with Contractors in the field during the construction of signal foundations, signal poles & heads. Responded to RFI's. Reviewed construction schedule. Assisted in the development of the pedestrian flow model.

Traffic Engineering Call-In Contract, NY & NJ, Client: PANYNJ. He has worked and supervised several task orders for the Call-In Contract at several PA facilities such as JFK International Airport, LaGuardia Airport, Newark Liberty International Airport, George Washington Bridge, Holland Tunnel, Port Authority Bus Terminal, Lincoln Tunnel, etc. For these facilities he performed tasks such as supervising traffic counts, inventory, capacity analyses, simulation/modeling, autoturn analyses, develop concept plans, prepare construction documents, pavement marking plans, signal plans, signing plans, MPT plans and roadway plans.

Terminal 7, JFK International Airport, NY. Client: PANYNJ. Developed traffic models to determine the operations of the roadways and curbside frontages for the new terminal. Developed traffic models to determine the current terminal operations. Determined the high accident locations and prepared collision diagrams. Under the proposed configuration the models were developed with different scenarios such as Designed and developed the traffic signal plans, guide signs and pavement marking plans. Developed and designed

Mr. Basilio has over 25 years of experience in the fields of Civil Engineering, Traffic Engineering, and Transportation Planning. He has designed and developed several projects and has performed numerous roadway design contacts, EIS studies, planning studies, traffic impact studies, parking analysis, signal design, accident & safety studies, traffic signal planning, signal operation & timing plans, bicycle & pedestrian studies, traffic analyses, and traffic network modeling. He has directed, supervised and worked on several task order contracts on the call-in contract for the PANYNJ. His special expertise includes traffic signal design, computer application such as SYNCHRO and NETSIM.

Firm:

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Education:

MS, Civil-Traffic Engineering,
Virginia Tech, Blacksburg, VA,
1987

BS, Chemical Engineering,
University of Philippines, 1982

Registration:

Professional Engineer – NY /
1997
Professional Engineer – NJ /
1997

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the MPT plans and designed the signals for the construction staging plans and the final roadway plans. Developed a coordinated traffic signal system for this quadrant of the JFK International Airport. Responsible for the preparation of the As-Built plans, construction cost estimates and final inspection of the construction items.

Fulton Street Transit Center, NY. Client: MTA/NYCTA. Supervised, directed and worked on several traffic engineering tasks including traffic counts, ATR counts, pedestrian counts and speed runs. Developed several MPT plans, pavement marking plans, signing plans and signal plans. Coordinated with NYCDOT to adhere to the SCARA requirements for the sidewalks/roadways.

Second Avenue Subway Project, New York City. Client: MTA/NYCTA. Supervise traffic counts and data reduction and summary including turning movement counts, classification counts and pedestrian counts. Determined the peak hours using the ATR counts and manual counts for over 80 ATR and 40 TMC locations. Summarized all the data in graphical and tabular form. Performed detailed capacity analyses to determine the impact of the proposed subway stations. Performed pedestrian analyses including crosswalk analyses, sidewalk and corner analyses.

Downtown Brooklyn Traffic Calming Study, NY. Client: NYCDOT. Supervise traffic counts, roadway inventory, pedestrian surveys and O-D surveys. Directed speed surveys including floating car method and spot speed surveys using the radar gun. Directed the accident study which included review of accident reports, prepare collision diagrams, determine high accident locations, etc. Develop roadway network for the peak hour volumes. Perform capacity analyses, summarize results and prepare a report to summarize the analyses. Developed the prototype for traffic calming within certain neighborhoods of Brooklyn.

Runway Drive Utilities Relocation, LGA Airport, NY. Client: PANYNJ. Directed the design of 10 signalized intersections. The contract plans included pavement marking plans, signing plans, guide signs and signal plans – wiring, pole locations, pedestrian signals, loop detectors, controllers, etc. Developed detailed traffic control plans and construction staging plans for this utility relocation project. Tasks included plans showing concrete barrier locations, construction signs and detour plans. Responsible for the preparation of the As-Built plans, construction cost estimates and final inspection of construction.

Professional Associations:

Institute of Transportation Engineers, ITE

Years of Experience:

25+

ASCE Grade:

A-V