



Task Order Assignment No.: 1 SSRP Revision No.: 0 Effective Date: 09-09-14

Contract No.: 13-006A Purchase Order No.: B-51327-001

Contractor: Gannett Fleming, Inc. "Gannett Fleming"
1037 Raymond Blvd Suite 1420 Newark, NJ 07102

The New Jersey Transit Corporation ("NJ TRANSIT") hereby authorizes the Contractor to execute the following change(s) to the above listed Task Order:

Task Order Assignment No. 1 SSRP
Architectural and Engineering Design Services
for Substations and Related Facilities at Hoboken Terminal/Yard,
Meadowlands Maintenance Complex and Bay Head Yard
Superstorm Sandy Recovery Program

Section I – Scope of Work

Under Task Order Assignment No. 2 SSRP, Gannett Fleming, as directed by NJ TRANSIT, will conduct Planning, Design, and Engineering for the repair, reconstruction and/or replacement of various general power substations, traction power substations, switching substations, and related facilities at the Hoboken Terminal/Yard, Meadows Maintenance Complex (MMC), and Bay Head Yard operating locations that were damaged as a result of Superstorm Sandy in October 2012. The scope of this Task Order Assignment No. 1 SSRP includes, but is not limited to, Tasks 2.0 thru 2.3 in accordance with the attached Exhibit A, Scope of Services dated April 19, 2013. Note: Task 2.4 Construction Assistance Services is included in Exhibit A Scope of Services, however is not under the this Task Order Assignment No. 1 SSRP Rev. 0.

Section II – Cost Information

The total costs and fees for these tasks are identified in Exhibit B, Cost Information to this Task Order Assignment No. 2 SSRP as an amount not to exceed \$9,694,730.19. The costs have been identified as \$3,202,447.36 for direct labor, \$4,845,161.90 for indirect labor costs (overhead), \$842,360.00 for direct expenses and the fixed fee amount has been identified as \$804,760.93.

Section III – DBE Participation

Exhibit C is Gannett Fleming's Disadvantaged Business Enterprise ("DBE") plan for this Task Order Assignment No. 1 SSRP, which indicates a 20.18% DBE participation plan for Tasks Phase 2.0 – Phase 2.3. The contract DBE goal of 25% is still applicable to this contract.

Section IV – Project Completion

Completion date to be in accordance with established program schedules issued by NJ TRANSIT.

TOTAL VALUE OF TASK ORDER NO. 1 SSRP\$9,694,730.19



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Section V – Task Order Contract Summary

TASK ORDER ASSIGNMENT NO. 1 SSRP SUMMARY

Initial Task Order Assignment No. 1 SSRP:	\$ 9,694,730.19
Previous Modifications:	\$ 0.00
Value of this Increase:	\$ 0.00
Present Total Task Order Assignment No. 1 SSRP:	\$ 9,694,730.19

NON-SSRP TASK ORDER ASSIGNMENTS SUMMARY

	\$ 0.00
Present Total Non-Sandy Task Order Assignments:	\$ 0.00

**SUPERSTORM SANDY RECOVERY PROGRAM (SSRP)
TASK ORDER ASSIGNMENTS SUMMARY**

Task Order Assignment No. 1 SSRP Design for Substations and related Facilities	\$ 9,694,730.19
Task Order Assignment No. 2 SSRP Gladstone Line Catenary Pole Replacement Project Phase II	\$ 580,843.03
Present Total SSRP Task Order Assignments:	\$ 10,275,573.22


NJ TRANSIT CONTRACT No. 13-006A

ARCHITECTURAL & ENGINEERING TASK ORDER CONTRACT COST SUMMARY:

Original Contract Value:	\$ 0.00
Total of all Task Orders Issued to Date:	\$ 580,843.03
Value of this Increase:	\$ 9,694,730.19
Present Contract Value:	\$10,275,573.22

CONTRACTOR

NJ TRANSIT CORPORATION



President or Duly Authorized Designee
MICHAEL A. MORAHAN PE
VICE PRESIDENT - GANNETT FLEMING



Contracting Officer or Duly Authorized Designee

NJ TRANSIT Contract No. 13-006A
Task Order Assignment No. 1 SSRP
Tasks 2.0 – 2.3

Exhibit A

CONTRACT: 13-006 – ARCHITECTURAL/ENGINEERING DESIGN

TASK: DESIGN, ENGINEERING, AND CONSTRUCTION ASSISTANCE SERVICES FOR THE REPAIR, RECONSTRUCTION AND/OR REPLACEMENT OF ELECTRICAL SUBSTATIONS AND RELATED EQUIPMENT AT HOBOKEN, MMC AND BAY HEAD

1. TASK INFORMATION

1.1 BACKGROUND INFORMATION

- A. Assignment Overview: NJ TRANSIT is issuing this Request for Proposal (RFP) to engage Gannett-Fleming, Inc. via a directed task order assignment through Contract 13-006 to conduct Planning, Design, Engineering and Construction Assistance services for the repair, reconstruction and/or replacement of various general power substations, traction power substations, switching substations, and related facilities at the Hoboken Terminal/Yard, Meadows Maintenance Complex (MMC), and Bay Head Yard operating locations that were damaged as a result of Superstorm Sandy in October 2012.
- B. Coordination of Efforts: To effect the systemwide recovery from Superstorm Sandy, NJ TRANSIT is issuing several directed assignments through our task order consultant (TOC) contracts to a number of firms:
 - 1. HNTB Corp. will have the overall responsibility for program management, coordinating the efforts of the various other TOC firms assigned to specific recovery efforts, including Gannett-Fleming for the substation work described herein.
 - 2. Funding for the recovery effort is being administered by the Federal Transit Administration (FTA). BEM Systems, Inc. will assist HNTB Corp. with the preparation of regulatory documentation necessary to comply with Federal funding requirements. Gannett-Fleming shall be required to coordinate their substation work with both HNTB Corp. and BEM Systems, Inc. so as to ensure full compliance with FTA requirements and deadlines for completion of the work, including preparation and submission of environmental permitting documentation.
 - 3. Additionally, the work of this assignment will require a coordination of scope and design efforts with the TOC firms assigned to other recovery efforts, including STV Inc., which is handling the design of other recovery work at the Hoboken Terminal; Jacobs Engineering,

Inc., which is handling other recovery work at the MMC complex; and, SYSTRA Engineering, Inc., which is handling recovery work on the North Jersey Coast Line, including the Bay Head Yard.

- C. Funding Constraints: The Federal funding for the recovery effort stipulates that all initial funding be spent no later than two (2) years from the date of issuance, currently expected to be or about April/May 2013. Gannett-Fleming shall develop and suggest implementation strategies and scheduling, and provide all necessary manpower required to comply with this deadline. Potential implementation strategies that can be considered would include using a design/build procurement in lieu of the standard design-bid-build process; and using a separate, advance procurement of long lead equipment (e.g., high voltage circuit breakers, disconnect switches, transformers, and rigid bus sections).

1.2 SUBSTATION FACILITIES DESIGN REQUIREMENTS

- A. MMC: Flooding from Superstorm Sandy damaged two substations, a switching facility, and emergency power for an operations facility:
1. MMC Rail Operations Center: The emergency power systems for the Rail Operations Center (ROC), which is the control center for all NJ TRANSIT train operations, proved inadequate and unreliable during the power outages that followed the storm/flooding. The generator and switchgear were not elevated sufficiently above the floodwaters; and, the generator was not rated for the continuous operation required after the storm. NJ TRANSIT contemplates replacement of the existing emergency generator with two redundant prime generator units rated for continuous duty, elevated along with the switchgear, with provision for dual fueling if possible. It is desired to have this work designed and installed prior to the onset of hurricane season in late summer/early fall of 2013. This is the highest priority assignment for this task.
 2. Mason (a.k.a. "Meadows") Substation: This 230 kV traction power substation, which also serves as a pass through facility for the PJM grid, suffered significant water damage. Temporary repairs are about 90% complete, and unit is partially in service, but restoration of a 230kV feed by PSE&G remains incomplete. Full restoration of service tentatively projected for April. Again, ongoing post-flood related degradation is likely, and both long-term performance and reliability and exposure to future storm damage remain a concern, and necessitate substation repair/replacement.
 - a. Potential replacement schemes being contemplated include relocation to an adjacent paved parking area (alternate 1); or reconfiguration at the current site (alternate 2); with facilities

situated above revised flood elevations in either instance. Either scheme may introduce significant and potentially fatal implementation issues. Gannett-Fleming must conduct a thorough but expedited alternatives analysis to help NJ TRANSIT select which site should be used for the substation replacement.

- b. Reconfiguration of the substation design to isolate NJ TRANSIT substation components off of the PJM grid, with transfer of ownership and responsibility of the bulk transmission elements to PSE&G, is desired.
- c. NJ TRANSIT believes that two existing three phase, 230 kV transformers at the Mason substation may be reused in the new substation design. During transition from the existing to the new substation, at least 2 of the 5 existing transformers must be kept in service at all times until the final cutover is made.
- d. NJ TRANSIT also believes that two additional three phase, 230 kV transformers need to be included in the new substation design, to accommodate a permanent load transfer of the Building 9 Substation distribution power systems (see Building 9 Substation requirements below).
- e. New structures, guy wires and anchors may have to be installed on both sides of the railroad to receive the new taps. This may prove difficult due to the North Runner and the paved road at the MMC, and must be accounted for in the site selection process and ensuing design.
- f. Account for extension of the six trolley feeds as required to meet the new substation. Note also that:
 - 1) Both westbound feeders and the auxiliary trolley feeds may need to be extended;
 - 2) The eastbound feeders may have to be shortened; and, may have to be raised over the pedestrian walkway and come down to meet existing profile to get under the Route 7 Bridge; requiring additional structures east of the walkway.
 - 3) Trolley 4 may have to be raised and tapped to head west toward the 25 kV yard.
- g. The design of the substation reconfiguration should include examination of the efficacy of installing a three- or four-breaker ring bus; or, a single-bay breaker-and-one-half scheme to improve reliability.
- h. The design should also include the installation of a new dedicated fiber optic system to replace the existing copper pilot wire protection system that is failing between the Mason substation to the Grove Auto substation in Hoboken; and, to the Newark Auto substation.

- i. The new substation design should incorporate an emergency generator with an automatic transfer switch to maintain substation control functions in the event of a localized power outage.
3. Building 9 Substation: This 26.4 kV substation, which provides general power to the MMC complex and the ROC facility, also suffered significant flooding damage. Temporary repairs have been completed, and unit has been returned to service for the time being. However, ongoing post-flood related degradation is likely, and both long-term performance and reliability and exposure to future storm damage remain a concern. The substation will require relocation and replacement, and merging its function with an expanded and relocated Mason substation is contemplated.
 - a. The new design of the merged substation should incorporate vacuum breaker type circuit breakers rather than the load interrupter type currently in use.
 - b. The new design should also increase the number of spare breakers for future expansion; and, provide allowance for feeding a new satellite substation to serve future wayside power needs.
 - c. The new design should also eliminate (if possible) or reduce the number of "daisy chained" circuits in use.
4. Kearny RTU: This switch control facility, serving the ten switch points that make up Kearny Junction, suffered major flooding damage. It has not yet been fully returned to service, with restoration work only about 40% complete. Exposure to future storm damage remains a concern; and, the existing facility is not located in an optimal site operationally as well. Relocation of the Kearny RTU to an area adjacent to the existing Kearny signal bungalow (MP 4.9 on the Morristown Line), with both the signal and switch control facilities situated above revised flood elevations, is contemplated. This would place the Kearny RTU halfway between the ten switches that it serves.
 - a. Additional infrastructure reconfiguration desired would include relocating the switch cabling from the shared signal trough currently in use to a concrete encased multi-conduit duct bank with access manholes; and, using fiber optic switch cabling in place of the copper cabling currently in use.
 - b. Relocation of the equipment would also likely require access road and parking/turning construction/ improvements as well.
 - c. The control equipment will require climate controlled bungalows with a battery room, or external standby generator.

- d. The relocation process would necessitate a detailed phasing plan for transfer of the switch controls.
 - e. The relocation of the switching and signaling facilities will likely trigger wetlands permitting issues that will need to be addressed expeditiously.
- B. Hoboken Terminal/Yard: Flooding from Superstorm Sandy damaged three substation facilities, and smaller distribution facilities fed from these substations:
 - 1. Hoboken (a.k.a. "Depot") Substation: This substation suffered significant flooding damage. Temporary repairs have been completed, and unit has been returned to service for the time being. However, ongoing post-flood related degradation is likely, and both long-term performance and reliability and exposure to future storm damage remain a concern. The substation will require relocation and replacement.
 - a. Potential relocation schemes being contemplated include an area currently occupied by the historic "Pullman and Immigrant Building" (alternate 1); the area currently occupied by the terminal building boiler systems (alternate 2); or the second floor of the "YMCA Building" (alternate 3). Gannett-Fleming must conduct a thorough but expedited alternatives analysis to help NJ TRANSIT select which site should be used for the substation relocation.
 - b. Each of the potential new sites of the substation facilities comes with significant ancillary issues: All are located in a designated Historic Register facility that will require coordination with and approval by the State Historic Preservation Office (SHPO); and, the locations have serious structural issues that must be addressed as part of the relocation work. Gannett-Fleming must address both of these issues for the site chosen. NJ TRANSIT will make available any and all relevant studies and information in support of this effort.
 - c. If the "Pullman and Immigrant Building" site is chosen, it is desired to include provision in the rehabilitated structure for yard crew locker space as well as the substation; and, locate the new substation equipment at an elevation to prevent future flood damage.
 - d. The new substation design should convert the electrical system from a delta-delta type configuration to a delta-wye type configuration. This will necessitate the replacement of the existing transformers. If feasible, the new design should also provide for a closed transition between the left and right sides.

- e. Examine the feasibility of installing a prime duty 2 MW/13.2kV generator to serve the Hoboken Terminal complex as part of the design. If site constraints prove problematic, especially with regard to fuel storage and refueling abilities, examine the possibility of instead locating a dual-fuel generator at the relocated Henderson Street substation, which has existing high capacity natural gas utilities in place (see below), and backfeeding the new combined "Depot"/Observer Highway substation.
 - f. The new substation design should also include provision for a quick connect input power coupling with manual transfer switch to allow for an emergency power feed from the hotel power output of an adjacent diesel locomotive.
2. Observer Highway Substation: This was a new 13.2kV substation that was under construction and nearing completion when the storm occurred, and suffered major flooding damage. The remaining work has been completed, and temporary repairs effected to place the unit into service for the time being. However, ongoing post-flood related degradation is likely, and both long-term performance and reliability and exposure to future storm damage remain a concern. The substation will require relocation and replacement, and merging its function with an expanded and relocated "Depot" substation is contemplated.
- a. The existing substation site will have to be replaced as a PSE&G metering point; and house the existing track switch RTU controls and battery backup equipment. This equipment will also have to be elevated to protect against damage from future flooding.
 - b. The new switchgear should be in an enclosed, "brick and mortar" type structure.
 - c. The new switchgear shall utilize breakers rather than switches; and include SCADA, remote operation, control, indication and telemetering.
 - d. Provisions for feeders to provide wayside power should be provided at the Observer Highway substation.
 - e. The design should also include relocation/elevation and where necessary, replacement of the existing metal enclosed switchgear and exterior mounted distribution transformers and panel boards associated with or fed from this substation.
3. Henderson Street Substation: This 13.2 kV substation, which feeds portions of the Hoboken Yard, the Wheel Truing Building, and various lighting and power equipment, suffered major flooding damage. Track switch controls were also located at this substation.

Temporary repairs have been completed, and the unit has been returned to service for the time being. However, ongoing post-flood related degradation is likely, and both long-term performance and reliability and exposure to future storm damage remain a concern. The substation will require relocation and replacement. Relocation to the site of the former Hoboken Yard boiler building is contemplated.

- a. The new substation design would generally replicate the existing configuration, with the exception of additional spare breakers being provided for future expansion.
- b. Reliability improvements should include exploring the feasibility of upgrading the existing 4,160 V PSE&G feed (PS-71) to a 13.2 kV feeder, with sufficient capacity and protection to feed the Hoboken Substation, as well as the ability to feed the West End Substation.
- c. Relocation to the old boiler building site will require demolition of the existing boiler house and boiler equipment therein. Although the boiler building site is at a higher elevation than a majority of the yard, elevation of the substation equipment will still be required.
- d. A new concrete encased multi-conduit duct bank with access manholes will have to be provided between the existing duct bank and the new substation site.
- e. The new design should include an integral office area and restroom. Existing sanitary and domestic water utilities for the old boiler building are available to connect to at the site.
- f. The facility should also include provision for relocation of the track switch facilities, with fiber optic connections between the RTU controls and the switches replacing the existing copper lines; with provision battery backup power.
- g. The design should also include relocation/elevation and where necessary, replacement of the existing metal enclosed switchgear and exterior mounted distribution transformers and panelboards associated with or fed from this substation.

C. Bay Head Yard: Flooding from Superstorm Sandy damaged two substations:

1. The "New (2006)" Substation: This 34.5 kV general power substation suffered significant water damage. Temporary repairs have been completed, and unit has been returned to service for the time being. However, ongoing post-flood related degradation is likely, and both long-term performance and reliability and exposure to future storm damage remain a concern. The proposed replacement scheme calls for a single new substation to be

constructed at the location of the existing "Old (1985)" substation; while the existing "New (2006)" substation provides interim power to the yard.

- a. The new design should include provision for supplementing the existing utility feed with a second, redundant power feed. The existing feed, designated by JCP&L as C203, originates from their "Oceanview" substation, and comes to the site via the adjacent barrier islands, leaving it highly susceptible to storm related outages. A second source, designated R44 by JCP&L and originating in their "Larrabee" substation via the mainland, passes within a few blocks of the site, and would provide a reliable back-up source of utility power.
 - b. The new substation design should include voltage regulation and a minimum 200 kV BIL impulse withstand capability.
 - c. The new design should upgrade the switchgear for remote control operation.
 - d. The design should incorporate the use of cast coil equipment rather than oil-filled types.
 - e. The design should accommodate a phased transfer of the loads from the existing substation to the new substation; and, subsequent demolition of the existing substation.
 - f. The design should include an integral office area and, if feasible, a restroom. Existing sanitary and domestic water utilities for the nearby crew quarters building should be evaluated for extension and use for these facilities.
2. The "Old (1985)" Substation: This 34.5 kV general power substation suffered severe water damage and is not repairable. Selected critical loads have been re-fed to the "New (2006)" substation for the time being. This substation should be demolished to provide space for construction of a new, combined substation to replace the two existing substations.

D. North Jersey Coast Line RTUs:

1. Morgan Interlocking: This control facility, serving the Morgan Interlocking, suffered flooding damage. Exposure to future storm damage remains a concern. Reconstruction of the RTU control system using the same type of improvements indicated for the Kearny RTU above is contemplated.
2. Rare Interlocking: This control facility, serving the Raritan River Interchange, suffered flooding damage. Exposure to future storm damage remains a concern. Reconstruction of the RTU control system using the same type of improvements indicated for the Kearny RTU above is contemplated.

E. Wayside Power Systems Design

1. Wayside power systems at all three locations were damaged and in many cases rendered inoperable by the flooding. NJ TRANSIT seeks to modify the design to both reduce the potential for future flooding damage, and, improve worker safety. The latter involves implementation of a remote contactor design for breaker control to reduce the potential for arc-flash injuries. A prototype system was recently installed at the Gladstone Yard.
2. The design should emulate and improve on the Gladstone Yard design, and include medium voltage equipment, power transformers, low voltage switchgear, and ductbank routing of power and control cabling between the switchgear and the wayside power outlets/controls.
3. Prepare a Power Study for wayside requirements to ensure Mechanical Department's needs for current fleet and future changes are met.

F. Other Design Requirements Common to All Sites:

1. The minimum elevation used should be the latest FEMA Advisory Base Flood Elevation (ABFE) plus 1 additional foot (ABFE+1); and, for locations where updated ABFE data is not available, the current Flood Insurance Rate Map (FIRM) data, plus 1 additional foot (FIRM+1). Additionally, provide an evaluation as to the feasibility (in terms of cost, constructability, maintenance and operation) of applying the FEMA projected 500-year flood elevations for critical substation infrastructure, and facilities with significant vulnerability.
2. Bungalows/buildings constructed to house substation equipment and related work should include provision for a small office space and restroom wherever possible.
3. Each new/reconstructed substation should include a standby power source – a generator or battery bank, as appropriate for the loads involved – to allow for continued operations in the event of a localized power outage.
4. NJ TRANSIT would like to incorporate a standardized circuit breaker design for these substations and, going forward, all other substations systemwide. The breakers should be custom engineered for our application, sized to fit the footprint of our existing substation to allow for universal use. Because the number

of domestic manufacturers of such equipment is limited, the use of foreign manufacturers may be necessary. Given that this is federally funded work, this may introduce "Buy America" issues that Gannett-Fleming must be prepared to help NJ TRANSIT address with FTA.

5. Provide any available components that may reduce arc flash hazards and provide for a safe work environment.
6. The design work at each location should include a specific effort to refine the protection and control schemes; and, to optimize circuit allocation and routing. In addition, arc flash protection should be a primary consideration in all designs.
7. If the pre-purchase of long-lead time equipment is selected to advance the work schedule, the construction contract documents should include requirements that contractors include handling, coordination and installation costs for this pre-purchased equipment in their bids.
8. The contract documents shall include detailed requirements for substation equipment acceptance testing and commissioning; NJ TRANSIT staff operations and maintenance training; and documentation of as-built conditions, and installed equipment.
9. Investigate and incorporate water mitigation methodologies in conduits where applicable. Utilize filled stranding cable and water proof terminations/fittings when feasible.

1.3 GENERAL EXECUTION REQUIREMENTS

- A. Provide an organizational structure of a Project Team which will address each requirement identified in this RFP; control the budget, schedule and product quality; and advance the project to successful completion.
- B. Designate a Project Manager, employed full-time by Gannett-Fleming, to coordinate all efforts and serve as liaison between all parties affected in implementing this project. The Project Manager will be supported by principals of the firm and other specialists as required. In addition, the Project Manager will:
 1. Represent the entire team and be responsible for all communications with NJ TRANSIT; and, coordinate the activities of the multi-discipline team required to complete the project within the designated schedule.
 2. Be a licensed Professional Engineer or Registered Architect in the State of New Jersey. Additionally, all parties in responsible charge

- of each discipline of engineering or architectural work shall be licensed or registered in the State of New Jersey
3. Be subject to the approval of and removal by NJ TRANSIT; and, may be removed only with advance approval of NJ TRANSIT.
 4. Conduct review and progress meetings monthly and/or as required by NJ TRANSIT, including preparation of minutes.
- C. Attend and assist at all meetings required, and coordinate work with all relevant agencies and authorities including, but not limited to NJ TRANSIT, NJ Department of Environmental Protection, NJ Department of Community Affairs, the State Historic Preservation Office, local governmental entities, Amtrak, JCP&L and PSE&G. Identify any other agency/entity that must be included in the coordination effort in connection with the project.
- D. Assure compliance with the Roadway Worker Safety Act, which requires Roadway Worker Protection (RWP) for anyone working on or near a railroad. Provide documentation of current design staff certification prior to their entering upon NJ TRANSIT rights-of-way.

1.4 GENERAL PLAN AND SPECIFICATION REQUIREMENTS

- A. Provide all necessary architectural and engineering services required to prepare all contract plans, technical specifications, a detailed cost estimate and bid documents for all sections of the proposed work.
1. Construction Plans: 24" x 36" sheets with standard NJ TRANSIT title box, including key map, location map, estimate of quantities, distribution of quantities sheet, site plan, elevations, sections, typical sections standard details, etc.
 - a. Prepare all plans using Bentley Substation V8i CADD software.
 - b. Conform to NJ TRANSIT Electric Traction Engineering Microstation CADD Standards.
 - c. Develop design models using Bentley Substation for the three-dimensional site layout, and the integrated two-dimensional protection and control diagrams.
 - d. Coordinate the development of all required symbol catalogs, parts databases and preliminary standards specification necessary to support integration with the design models into an Asset Management software solution. Collaborate with NJ TRANSIT on the creation of the symbols to be used for the substation models.
 2. Specifications and supplemental documentation: Conform to the 16-Division CSI format, or other acceptable format as pre-approved by NJ TRANSIT.
 - a. Graphics: Conform to the NJ TRANSIT Graphics Manual.

- b. Signage: Conform to the NJ TRANSIT Sign Standards Manual.
 - 3. Submit electronic files of the final designs to NJ TRANSIT at completion of the project in both native CADD format, and Adobe .pdf file format.
- B. Ensure contract documents conform to all applicable code requirements in effect at the time of issuance of the contract documents.

1.5 PERMIT REQUIREMENTS

- A. In conjunction with NJ TRANSIT, HNTB Corp., and BEM Systems, Inc., identify, pursue and help secure all permits related to the design, construction and operation of the project, including, but not necessarily be limited to all applicable local, State and Federal requirements regarding environmental issues, building codes, construction permits, utility requirements, etc.

2. OVERALL SCOPE OF SERVICES

2.1 PRELIMINARY DESIGN/ENGINEERING

- A. Execution Schedule:
- 1. Prior to commencing formal design work, prepare a detailed master schedule indicating the proposed methodology for completing the design of substation and related facilities for all locations; and, ensuring engineering, equipment procurement, construction and commissioning activities can be accomplished within the FTA mandated timeframes.
- B. Site Inspection, Inventory, and Survey:
- 1. Research, collect and review all existing documents relevant or pertaining to the specific site and conduct field inspections of all areas anticipated to be impacted by this project. Scan any paper documents required to provide an electronic archive of relevant background materials necessary to support the ongoing design efforts.
 - 2. Perform all necessary surveys required to verify the existing conditions, configuration, and dimensions of the site and to prepare site plans at 1" = 30' scale, or as otherwise required by regulatory authorities. These surveys should include but be limited to:
 - a. All site features;

- b. Railroad infrastructure, including track, catenary and transmission lines, aerial and underground signals, aerial and underground communications, and any other aerial or underground railroad utilities or appurtenances. NJ TRANSIT forces will assist in marking out underground railroad utilities or appurtenances;
 - c. Adjacent motor vehicle roadway infrastructure, including bridges, highway lanes, signals, guide rail, barrier curb, etc.;
 - d. Utilities (electric, gas, water, telephone, fiber optic cable, sanitary sewer and storm sewers, including utilities that are in service, inactive or abandoned);
 - e. Pavement, sidewalks, curbs, landscaping, and their condition;
 - f. Topography at 0.5' contour intervals and key spot elevations;
 - g. Drainage, storm sewers, their sizes rim, and invert elevations of sewers, including the type of pipe (In service, inactive and abandoned); and,
 - h. Definition of property boundaries from tax maps, existing surveys deeds and railroad valuation maps (if appropriate).
- 3. Ensure surveys are of sufficient detail to facilitate the preparation of complete location plans, site plans and design plans, profiles, specifications and complete contract documents.
 - 4. Limit inspection work to the areas necessary for the performance of such inspections so as not to interfere with the operation of the facility without first obtaining specific approval from NJ TRANSIT.
 - 5. During all periods of time when not performing operations at the work site, store all equipment being used for the inspection in pre-approved areas and shall provide all security required for such equipment. Do not permit any objects or pieces of equipment to lie unattended on sidewalks, roadways, passageways, corridors, stairways, platforms, or structures at any time.
 - 6. Submit copies of completed field findings on inspection reporting forms and meet with NJ TRANSIT staff to discuss those findings. Identify any additional data needed for determination of existing site conditions which affect design, and perform the necessary activities to furnish such data. Notify NJ TRANSIT of existing non-code compliance conditions with regard to the aforementioned projects.
 - 7. Deliverables: Site Inspection/Inventory Report and Surveys, fifteen (15) copies each.

C. Project Definition/Concept Planning:

1. Prepare a report summarizing/ addressing the major considerations and design criteria which will be evaluated during the alternative concept planning effort. Provide brief discussions of alternative and recommended systems as justification for the selected/proposed systems. Address the concepts of required flood protection and equipment/structure elevation, electrical clearances, equipment procurement, construction staging, maintenance access, and coordination of NJ TRANSIT and utility company requirements to achieve a workable design and implementation scheme acceptable to all parties.
2. Once the project parameters have been defined and agreed upon, develop concept plans for consideration. Include the following information:
 - a. Proposed switching one-line diagram.
 - b. Proposed protection one-line diagram.
 - c. General substation equipment arrangement plan
 - d. Building layout plan, with external elevations and treatment concepts.
 - e. Overall site plan, with latest flood level elevations, grading, building/substation locations, site lighting, and site access.
 - f. Specification outlining the required data necessary for long term asset management, to be incorporated using the Bentley Substation software.
3. The finalization of the project definition criteria and concept plans shall be determined through an iterative process by NJ TRANSIT and will serve as the basis for the remaining design work.
4. Develop a preliminary cost estimate based upon the selected concept plan.
5. Deliverables: Project Definition/Concept Plan Report and Sketches, fifteen (15) copies each.
 - a. Bentley Substation projects consisting of integrated three-dimensional site design model; protection and control diagrams; single line drawings; panel layouts; and grounding grid and lightning protection, as required.
 - b. Bentley Substation two-dimensional and three-dimensional symbol catalogs used in the creation of the projects.
 - c. Bentley Substation parts database used in the creation of the projects.
 - d. Hardcopies of the Bentley Substation automated report output, including wire lists, cable and terminal reports and bills of material.

- e. Bentley Substation three-dimensional I-model for use with Bentley Navigator.

D. Geotechnical Investigation:

1. Conduct geotechnical investigation to determine subsurface and soil conditions to be considered in the final design of the project. Examine any existing subsurface and soil information, perform soil sampling, borings and laboratory tests for soils along the right-of-way, as required to establish design values.
2. Submit an outline of the geotechnical work including sampling methods, number and locations, tests and schedules to NJ TRANSIT for approval prior to the initiation of the detailed investigation.
3. Have all test boring samples inspected by archeological subconsultant to determine the possible existence or archaeological significant artifacts. Coordinate soils testing with this task as part of the environmental investigation.
4. Deliverables: Geotechnical Report that includes field and laboratory data and provides recommendations and design parameters for track work and structures, fifteen (15) copies each.

E. Preliminary Design/Engineering:

1. On the basis of decisions made in the previous tasks, prepare Preliminary Design Documents describing the size and character of the project as to structural, mechanical, communication and electrical systems, equipment, schedules and other essentials as appropriate, representing an approximately 30% complete design.
2. Include at least the following information in the Preliminary Design Documents, utilizing Bentley Substation software where applicable:
 - a. Cover Sheet
 - b. Index of Drawings
 - c. Site Drawings
 - d. Utility Distribution Systems
 - e. Plans, Elevations, Sections, and other details pertinent to the design
 - f. Design Analyses, separately bound and labeled and sufficiently complete to permit review
 - g. Specifications for major equipment selections

- h. Construction cost estimate and schedule, indicating staging if appropriate, and in sufficient detail so as to permit evaluation
- 3. Deliverables: Preliminary Design Drawings, Specifications, schedules and associated documents, fifteen (15) copies each, with plans provided as follows:
 - a. Ten (10) half-scale sets.
 - b. Five (5) full size sets.
 - c. Bentley Substation project parts database, and two-dimensional and three-dimensional symbol catalog used for project creation.
 - d. Bentley Substation electronic I-model output.

2.2 ENVIRONMENTAL INVESTIGATIONS/REQUIREMENTS

A. National Environmental Policy Act Requirements:

- 1. In coordination with BEM Systems, Inc., assist with the preparation and submission any documentation required to support submission and approval of a Categorical Exclusion (CE) for the substation repair/replacement/ relocation work at each location.

B. Archeological & Historical Investigation/Mitigation:

- 1. For work at the Hoboken Terminal substations, ensure that the designs meet all requirements of Section 106 of the National Historic Preservation Act of 1966, in consultation with the State Historic Preservation Office (SHPO).
- 2. If the SHPO deems the work at Hoboken to be an adverse effect, assist with the preparation of a Memorandum of Agreement, (MOA), and ensure the mitigation measures included in the MOA are addressed by the design work.
 - a. Additional mitigation measures could potentially include preparation of Historic American Building Survey (HABS) or Historic American Engineering Record (HAER) documentation.
 - b. As applicable, complete the Section 4(f) reporting requirements stipulated by Federal Department of Transportation regulations.

C. Preliminary Subsurface (Soil/Water) Sampling and Analysis:

- 1. Develop and implement soil sampling plans for all sites where the contractor will be performing construction work, the intent of which

is to provide bid information for use by bidders in determining health and safety and environmental compliance costs, and to determine soil reuse or disposal costs. Analyze for the Target Compound List plus a library search (TCL+40).

D. Asbestos/Lead Sampling and Identification:

1. Where demolition of existing structures may involve disturbance of suspected lead based paint or asbestos containing materials, engage a qualified environmental firm to survey designated project areas in order to determine and quantify the presence of these materials. This survey work shall include:
 - a. Collection of samples of materials suspected or likely to contain asbestos or lead;
 - b. Analysis of those samples in a state-certified laboratory; and,
 - c. Preparation of a report indicating the presence or absence of such hazardous materials.
2. Deliverables:
 - a. Survey report: Provide written/graphic report and accompanying plans outlining the findings of the conditions survey, fifteen (15) copies. The report shall include, but not is not necessarily limited to:
 - 1) Field inspection findings;
 - 2) Testing methodology employed;
 - 3) Asbestos/lead survey report;
 - 4) Recommended abatement or encapsulation methods.
 - b. Abatement Specifications: If the survey confirms the presence of any asbestos or lead-containing paint, covering or insulating materials, prepare and submit six (6) sets of asbestos and/or lead abatement specifications.
 - 1) Technical requirements and abatement specifications for asbestos shall be in accordance with the NJUCC Asbestos Hazard Abatement Subcode (NJAC 5:23-8.1 et seq).
 - 2) Technical requirements and abatement specifications for lead shall be in accordance with the NJ Lead Hazard Evaluation and Abatement Code (NJAC 5:17-1.1 et seq), as well as all applicable regulations of the US Environmental Protection Agency, the Code of Federal Regulations, and the Federal Register.

E. Land Use Permits:

1. Construction of different features of the Project may impact freshwater or tidal wetlands and may trigger Flood Hazard Area,

CAFRA, or Waterfront Development permits. Prepare an analysis of which, if any, land use permits may be required to construct the project at the chosen sites.

2. Explore various project configuration and siting options to minimize environmental impacts and mitigation requirements.
3. Prepare all documents related to any required land use permits, and process the corresponding permits from the different authorities having jurisdiction on the Project.

F. Drainage and Stormwater Management:

1. Determine whether the project will trigger any NJDEP stormwater management requirements. If so, provide complete drainage calculations for the project site, including impacts on receiving water bodies.
2. Where applicable, stormwater detention and quality requirements shall be addressed, and the design of stormwater management and detention structures shall be incorporated into the overall design.

G. Integration with Bentley Substation Software:

1. Use Bentley ArcGIS connector to facilitate the utilization of all environmental information used throughout the project in asset management system.
2. Ensure the required data files used for delivering the project are available through Bentley ProjectWise software for NJ TRANSIT use.

2.3 FINAL DESIGN/ENGINEERING

A. Final Design/Engineering:

1. Depending upon whether a design-build or design-bid-build contract delivery methodology is selected for each site, advance the approved preliminary design through a 60% progress submittal, a 90% progress submittal, and 100% complete design and engineering, including detailed construction bid documents consisting of plans, specifications and cost estimates for all construction work necessary, as well as all Bentley Substation deliverables.

2. Additionally, conduct any remaining preliminary engineering technical study tasks required prior to commencing final design.
3. Bi-weekly review sessions will take place for NJ TRANSIT to check progress of the design. These meetings will be in addition to reviews at the preliminary, 60%, 90% and 100% design levels. Time should be budgeted for Gannett-Fleming and any necessary subconsultant(s).
4. Final electrical design documents for the substation work shall include, as appropriate to the location and specific infrastructure needs:
 - a. Applicable Bentley Substation documents, including three-dimensional substation design models and I-Model output;
 - b. Detailed single line diagrams;
 - c. Electrical layout drawings, including equipment siting and spacing, cable/conduit routing, point-to-point wiring arrangements, and protection and control schematics;
 - d. Busbar design;
 - e. Breakers, isolators, protective relays, switching arrangements, disconnects and grounding switches, sizing calculations, and related specifications;
 - f. SCADA systems, substation automation and programmable logic control systems design and implementation;
 - g. Instrument and metering transformer selection and specifications;
 - h. Lightning and surge arrester specifications;
 - i. Neutral grounding resistor calculations and specifications;
 - j. Shunt reactor, series reactor, or shunt capacitor requirements depending on reactive power control needed;
 - k. Power transmission and short circuit current limitation requirements;
 - l. Power and distribution transformer sizing; requirements and calculations for tap range, load tap changers, etc.; and specifications;
 - m. Grounding and ground grid design;
 - n. Insulation coordination studies;
 - o. Power cable selection, routing, schedules;
 - p. Auxiliary standby power design; and,
 - q. Lighting calculations and related specifications.

B. 60% Design Progress Submission:

1. Prepare the following for the 60% design document review:
 - a. Site plans at a maximum scale of 1" = 30' (or as otherwise required by regulatory authorities) showing all elements of

- construction work, with dimensioned layouts, grades and elevations;
 - b. Construction staging and execution plans, as necessary, to execute the construction work as agreed to by NJ TRANSIT;
 - c. Elevations and sections, as necessary, to show layout and configuration of all construction elements;
 - d. Typical sections, elevations and floor plans as necessary;
 - e. Electrical plans, as described above;
 - f. Structural, mechanical, architectural, drainage, and landscaping plans (as required);
 - g. Signage plans (signage to conform to the most current edition of the NJ TRANSIT Graphics Standards Manual);
 - h. Electrical, structural, mechanical, architectural and/or any other calculations or analyses used for the 60% design documents;
 - i. Construction cost estimate, with quantified items for each type of work, including costs of staging, safety, and other associated items for the protection of the operation of the facility;
 - j. Draft Construction Schedule;
 - k. Draft Technical Specifications in 16-division CSI format; and Special Provisions only where appropriate, including construction staging and execution practices.
 - 2. Deliverables: 60% Design Drawings, Specifications, schedules and associated documents, twelve (12) copies each, with plans provided as follows:
 - a. Ten (10) half-scale sets;
 - b. Five (5) full size sets.
- C. 90% Design Progress Submission:
 - 1. 90% design drawings and specifications shall set forth in detail the requirements for the construction of the entire project, including necessary bidding information.
 - 2. Prepare the following for the 90% design document review:
 - a. Title sheet with key and location plans in sufficient detail and clarity indicating the surrounding area, facility name, contract title, and contract number;
 - b. Construction staging plan, if necessary, and temporary signage plans as required for each stage of construction;
 - c. Site plans, including contours at maximum 0.5' intervals in elevation, property and easement lines, structures, buildings, pavement types and limits, drainage, utilities, and other features which define the existing site, the proposed construction, and final site configuration. Include plan and

- profile of underground utilities, and invert elevations of storm drains and sanitary sewers, if any;
 - d. Plans, profiles, sections and typical sections necessary to define the site work, with associated details;
 - e. Electrical plans, as described above;
 - f. Structural, mechanical, architectural, drainage, landscaping, and signage plans (as required);
 - g. Demolition plans (as required);
 - h. Technical Specifications in 16-division CSI format;
 - i. Recommendations for the Special Provisions;
 - j. An estimate of quantities and final detailed cost estimate, including unit prices where appropriate, along with documentation of analyses used to establish unit and lump sum prices;
 - k. Utility agreements, plans, and evidence of coordination with utility facilities affected by the project;
 - l. Bidders proposal form by discipline, including quantities where appropriate;
 - m. A summary of all criteria used in the design, including electrical calculations; structural load (dead, live, snow, wind, seismic, impact or other loads as appropriate) calculations; material grades; and codes and industry standards; compiled in a format which is appropriate for use by reviewing parties, including the NJ Department of Community Affairs.
3. At the 90% design stage, ALL PLANS AND SPECIFICATIONS MUST BE COMPLETE; no missing drawings/sections shall be allowed at this stage. Submit drawings, Bentley Substation models and schematic diagrams, and other related data as set forth above for NJ TRANSIT review and approval.
 4. 90% design documents are defined as the designers' best effort as fully completed plans and specifications. The 90% complete design shall be sufficient to submit for NJ TRANSIT, utility company, NJDCA, SHPO and/or NJDEP review.
 5. As part of this work, prepare and submit applications necessary to obtain any and all necessary plan reviews, approvals, and permits required, including the utility company, NJDCA, SHPO, SESC and/or NJDEP approvals, as necessary.
 6. Deliverables: 90% Design Drawings, Specifications, schedules and associated documents, fifteen (15) copies each, with plans provided as follows:
 - a. Ten (10) half-scale sets;

- b. Five (5) full size sets.
- D. 100% Design Progress Submission:
- 1. 100% design drawings and specifications shall incorporate all relevant comments from the review of the 90% design progress submission by NJ TRANSIT, utility company, NJDCA, SHPO, SESC and/or NJDEP.
 - 2. The 100% Drawings shall include the following signature procedures:
 - a. 100% design documents are defined as complete when all NJ TRANSIT, utility company, NJDCA, SHPO, SESC and/or NJDEP comments are incorporated.
 - b. All construction documents prepared for this assignment shall be signed and sealed by a Principal of the firm having a New Jersey Professional Engineer or New Jersey Registered Architect License, as appropriate to the discipline involved.
 - c. Subconsultants can sign and seal their own drawings, but Gannett-Fleming's logo shall also appear on each drawing prepared by a subconsultant.
 - 3. Design Calculations and Diagrams:
 - a. Gannett-Fleming shall submit complete design computations and design drawings covering all electrical systems, structural framing and supports such as primary framing members, bracing, foundations, slabs and architectural finishes.
 - b. All calculations shall clearly distinguish between new and existing construction. Documents from which existing dimensions and existing member properties were obtained shall be referenced in the calculations.
 - c. All engineering calculation sheets shall be numbered, dated, and indexed. The index sheets shall define the total number of the sheets submitted and shall bear the seal and signature of an experienced engineer or architect holding a valid professional registration in the State of New Jersey, and who is familiar with and responsible for the design.
 - d. If computations are submitted in computer printout form, furnish the following:
 - 1) Descriptions and proof of adequacy of the program;
 - 2) Type of problems solved by the program;
 - 3) Nature and extent of the analysis;
 - 4) Assumptions made in the program; and,
 - 5) Instructions for interpreting the computer output format.

- e. Electrical calculations shall include:
 - 1) The design criteria used;
 - 2) The design constants and equations used, including all references;
 - f. Structural calculations shall include:
 - 1) The design criteria used and the diagram showing the loading conditions and loading combinations;
 - 2) The design constants and equations used, including all references;
 - 3) Indexed and clearly identified input and output sheets for the entire structure or for those portions of the structure which will be sufficient to enable NJ TRANSIT to evaluate the structure; and,
 - 4) A clear diagram of all member forces (axial, shear, bending or other forces as appropriate) for each loading condition controlling the design.
4. Construction Schedule:
- a. Provide an estimate of the time required to complete construction. This Construction schedule is for NJ TRANSIT project controls purposes only, and will not be for use by any Contractor
 - b. Present the Construction Schedule in a CPM format using days, weeks or months as appropriate for the limit of time.
 - c. The schedule is to indicate coordinated construction with activities of other Agencies (i.e., NJ TRANSIT track outages, facility closings, if necessary) and utilities affected by the project.
 - d. Determine from the project plan the delivery time required for long- lead time apparatus and material. Prepare material lists for all long-lead or NJ TRANSIT supplied materials, equipment and apparatus, and submit to NJ TRANSIT for approval and advertising for bids.
5. Deliverables: 100% Design Drawings, Specifications, schedules and associated documents, fifteen (15) copies each, with plans provided as follows:
- a. Ten (10) half-scale sets;
 - b. Five (5) full size sets.

E. Construction Bid Services:

- 1. The following additional services shall be provided as part of this Subtask:
 - a. Answer questions asked of NJ TRANSIT staff by bidders during the bid period.

- b. Review contractor's bid documents for conformity with technical requirements and completeness of response of the bid package and reasonableness of bid quoted.
- c. Prepare bid document addenda including Contract Drawing revisions and engineering calculations, as necessary or as requested by NJ TRANSIT for NJ TRANSIT approval and issuance. Furnish originals for final printing.
- d. Conform all contract drawings to Addenda as directed by NJ TRANSIT after award of the construction contract. All contract drawings must be conformed within one month of the construction bid opening date.

2.4 CONSTRUCTION ASSISTANCE

- A. The construction assistance requirements for this assignment include the following elements:
 - 1. Providing responses to Requests for Information;
 - 2. Change Order Preparation/Evaluation;
 - 3. Shop Drawing Review and Material Approvals;
 - 4. Punch List Inspection/Development;
 - 5. Final Inspection; and,
 - 6. As-Built Drawings.
- B. Attend at the pre-construction meeting, and at least two field meetings per month for the duration of construction activity.
- C. Requests for Information:
 - 1. As necessary throughout the construction period, provide the required technical expertise necessary to respond, normally within five business days, to any design document related question, request for clarification, etc.
 - 2. This service shall be available for issues brought forward by NJ TRANSIT, the prime contractor, his subcontractors, or any related or impacted Federal, State, County or municipal entity.
- D. Change Order Preparation/Evaluation:

1. When requested by NJ TRANSIT, assist in the review and analysis, and provide recommendations on Contractor requests for change and change orders through the preparation of detailed cost estimates.
 2. Provide assistance with the preparation of change order documents (designs, specifications, cost estimates, schedule analysis, etc.) as required by NJ TRANSIT for effective change order evaluation, negotiation and construction.
- E. Shop Drawing Review and Material Approvals:
1. Review and approve design related shop drawings and material submittals as designer-of-record.
 2. Complete and return these reviews and approvals within ten (10) working days after receipt from the Construction Manager/ Contractor.
- F. Asset Management Database:
1. Update required Bentley Substation three-dimensional protection and control and site design models with required attributes needed for asset management.
 2. Update the global parts database with required manufacturer and asset collection information.
 3. Update scope and definition of standards for Bentley Substation design, integrated with ProjectWise, as well as asset management data collection requirements.
- G. Punch List Inspection/Development and Certification of Substantial Completion:
1. Participate in the inspection and assist in the development of the final punch list to be received by the contractor prior to Final Acceptance.
 2. Provide the necessary services to qualify or not qualify the project as "substantially complete" and offer documented notification of same.
- H. Provide five (5) copies of instruction manuals, training, test reports, commissioning documents, and maintenance requirements.

I. Final Inspection/Project Acceptance:

1. As the designer of record, participate in the final project inspection following completion of punch list activities, and provide NJ TRANSIT with formal written notification of project acceptance.

J. As-Built Drawings:

1. Upon the completion of construction, modify the original contract drawings to reflect "as-built" conditions.
2. The construction management forces and/or the contractor will furnish the "as-built" information to be verified and incorporated.
3. Deliverables: Two (2) sets of plans electronically, in Bentley Substation format; and, one (1) mylar set of "As-Built" Contract Drawings will be required.

3. **LIST OF PRIMARY CONTACTS AND RESPONSIBILITIES**

3.1 Task Order Administration:

A. Kelly Giblin

1. Company: NJ TRANSIT
2. Title: Chief Engineer, Design & Environmental Services
3. Phone: 973-491-7949 (office); [REDACTED]
4. E-Mail: kgiblin@njtransit.com
5. Responsibilities: Management of task order assignment scope, schedule and budget.

B. Robert (Rob) Angello

1. Company: NJ TRANSIT
2. Title: Principal Technical Specialist
3. Phone: 973-491-7206 (office) [REDACTED]
4. E-Mail: rangelo@njtransit.com
5. Responsibilities: Field coordination, invoice review and processing.

C. Renzo Sosa

1. Company: NJ TRANSIT
2. Title: Sr. Contract Specialist
3. Phone: 973-491-7612 (office)
4. E-Mail: rsosa@njtransit.com
5. Responsibilities: Task order contract administration.

3.2 Task Order Technical Management:

- A. William (Bill) Pollak
1. Company: NJ TRANSIT
 2. Title: Chief Engineer, Electrical Rail Operations
 3. Phone: 973-491-8083 (office); [REDACTED]
 4. E-Mail: wpollak@njtransit.com
 5. Responsibilities: Technical requirements for substation and traction power systems design, construction, and maintenance.
- B. Gary Syvertsen
1. Company: NJ TRANSIT
 2. Title: Director, Rail Infrastructure Design
 3. Phone: 973-491-8138 (office); [REDACTED]
 4. E-Mail: gsyvertsen@njtransit.com
 5. Responsibilities: Technical requirements for substation and traction power systems design.
- C. William (Bill) Young
1. Company: NJ TRANSIT
 2. Title: Director, Rail Infrastructure Construction
 3. Phone: 973-491-8129 (office); [REDACTED]
 4. E-Mail: wyoung@njtransit.com
 5. Responsibilities: Technical requirements for substation and traction power systems construction.
- D. Robert Victoria
1. Company: NJ TRANSIT
 2. Title: Director, Rail Infrastructure Maintenance
 3. Phone: 973-491-8193 (office); [REDACTED]
 4. E-Mail: rvictoria@njtransit.com
 5. Responsibilities: Technical requirements for substation and traction power systems operations and maintenance.
- E. Edward (Ed) Joscelyn
1. Company: NJ TRANSIT
 2. Title: Director, Rail Infrastructure Design
 3. Phone: 973-491-8118 (office)
 4. E-Mail: ejoscelyn@njtransit.com
 5. Responsibilities: Technical requirements for railroad communications and signal systems design.
- F. Charles McBride
1. Company: NJ TRANSIT
 2. Title: Director, Rail Infrastructure Construction
 3. Phone: 973-491-8116 (office); [REDACTED]
 4. E-Mail: cmcbride@njtransit.com

5. Responsibilities: Technical requirements for railroad communications and signal systems construction.

G. Stuart (Stu) Kuritzky

1. Company: HNTB Corp.
2. Title: Project Manager
3. Phone: 212-594-9718 (office); [REDACTED]
4. E-Mail: skuritzky@HNTB.com [REDACTED]
5. Responsibilities: Technical oversight of substation and traction power systems design and construction.

3.3 Sandy Recovery Program Management:

A. Charles (Ty) Dickerson

1. Company: NJ TRANSIT
2. Title: Chief, Construction & Project Management
3. Phone: 973-491-8480 (office); [REDACTED]
4. E-Mail: cdickerson@njtransit.com
5. Responsibilities: Executive management of Sandy recovery program.

B. Donald (Don) Blazina

1. Company: NJ TRANSIT
2. Title: Director, Rail Infrastructure Design
3. Phone: 973-491-7186 (office); [REDACTED]
4. E-Mail: gsyvertsen@njtransit.com
5. Responsibilities: Assistant manager for Sandy recovery program.

C. Mohyi (Moe) Soliman

1. Company: HNTB Corp.
2. Title: Program Manager
3. Phone: 212-915-9575 (office); [REDACTED]
4. E-Mail: msoliman@HNTB.com [REDACTED]
5. Responsibilities: Program management for Sandy recovery program.

D. Maibel Dominguez

1. Company: HNTB Corp.
2. Title: Document Control Supervisor
3. Phone: 973-286-7701, ext 228 (office)
4. E-Mail: mdominguez@HNTB.com
5. Responsibilities: Document control for Sandy recovery program.

E. Mark Nardolillo

1. Company: BEM Systems, Inc.
2. Title: President

3. Phone: 908-598-2600 (office)
4. E-Mail: mnardolillo@bemsys.com
5. Responsibilities: Environmental permitting oversight for Sandy recovery program.

F. Margaret (Maggie) Beiran

1. Company: BEM Systems, Inc.
2. Title: Sr. Project Manager
3. Phone: 908-598-2600, ext. 153 (office); [REDACTED]
4. E-Mail: mbeiran@bemsys.com
5. Responsibilities: NEPA and other environmental permit coordination for Sandy recovery program.

3.4 Related TOC Assignments Management:

A. Jason Wormeck

1. Company: NJ TRANSIT
2. Title: Supervising Engineer
3. Phone: 973-491-8506 (office)
4. E-Mail: jwormeck@njtransit.com
5. Responsibilities: Management of Hoboken Yard recovery work task order assignment.

B. Bruce Jabbonsky

1. Company: STV, Inc.
2. Title: Vice-President/Sr. Project Manager
3. Phone: 212-614-3457 (office); [REDACTED]
4. E-Mail: bruce.jabbonsky@stvinc.com
5. Responsibilities: Design of Hoboken Yard recovery work.

C. John Worster

1. Company: HNTB Corp.
2. Title: Project Engineer
3. Phone: TBD
4. E-Mail: jworster@HNTB.com
5. Responsibilities: Technical oversight of Hoboken Yard recovery work.

D. Edward (Ed) McMahon

1. Company: NJ TRANSIT
2. Title: Director, Capital Project Management
3. Phone: 973-491-7308 (office)
4. E-Mail: emcmahon@njtransit.com
5. Responsibilities: Management of MMC complex recovery work task order assignment.

- E. Lewis (Lew) Morgan
1. Company: Jacobs Engineering
 2. Title: Project Manager
 3. Phone: 862-242-7330 (office); [REDACTED]
 4. E-Mail: Lew.Morgan@jacobs.com
 5. Responsibilities: Design of MMC complex recovery work.
- F. Stuart (Stu) Kuritzky
1. Company: HNTB Corp.
 2. Title: Project Manager
 3. Phone: 212-594-9718 (office); [REDACTED]
 4. E-Mail: skuritzky@HNTB.com
 5. Responsibilities: Technical oversight of MMC complex recovery work.
- G. Martin (Marty) Judd
1. Company: NJ TRANSIT
 2. Title: Project/Program Aide
 3. Phone: 732-861-0653 (cell)
 4. E-Mail: mjudd@njtransit.com
 5. Responsibilities: Management of North Jersey Coast Line/Bay Head Yard recovery work task order assignment.
- H. Joseph (Joe) Bonsignore
1. Company: Systra Engineering, Inc.
 2. Title: Project Manager
 3. Phone: 973-873-9744 (office)
 4. E-Mail: jbonsignore@systrausa.com
 5. Responsibilities: Design of North Jersey Coast Line/Bay Head Yard recovery work.
- I. Cristhian (Cris) Murillo
1. Company: HNTB
 2. Title: Sr. Staff Engineer
 3. Phone: 212-294-7528 (office); [REDACTED]
 4. E-Mail: cmurillo@HNTB.com
 5. Responsibilities: Technical oversight of North Jersey Coast Line/Bay Head Yard recovery work.

NJ TRANSIT Contract No. 13-006A
Task Order Assignment No. 1 SSRP
Tasks 2.0 – 2.3

Exhibit B

NJ TRANSIT Contract No. 13-006
Task Order Contract - Architectural and Engineering Design Services
Task Order Assignment No. 1 SSRP
Design and Construction Assistance for Substations and related Facilities at
Hoboken Terminal/Yard, Meadowlands Maintenance Complex and Bay Head Yard
Super Storm Sandy Recovery Program

SUMMARY COST TABLE FOR PHASE I

Gannett Fleming TEAM

TOTAL DIRECT SALARY	\$ 3,202,447.36
<u>OVERHEAD@ 156.43% OF DIRECT SALARY COST</u>	\$ 4,845,161.90
SUBTOTAL: SALARY + OVERHEAD	\$ 8,047,609.26
FIXED FEE @ 10% OF SALARY + OVERHEAD	\$ 804,760.93
DIRECT EXPENSES	\$ 842,360.00
DBE SUBCONSULTANTS	\$ 2,393,578.12
SUBTOTAL (Basis for DBE Percentage)	\$ 9,694,730.19
DBE PERCENTAGE	20.18%
TOTAL	\$ 9,694,730.19

NJ TRANSIT Contract No. 13-006
Task Order Contract - Architectural and Engineering Design Services
Task Order Assignment No. 1 SSRP
Design and Construction Assistance for Substations and related Facilities at
Hoboken Terminal/Yard, Meadowlands Maintenance Complex and Bay Head Yard
Super Storm Sandy Recovery Program

COST AND FEE RECAP - TEAM

FIRM

Gannett Fleming Team

TASK	DESCRIPTION	Gannett Fleming	SJH Engineering	JCMS	Naik Consulting Group	Sowinski Sullivan Architects	SA Engineering	Total
Task 2	Project Management	\$ 1,355,531.62	\$ 4,882.50	\$ -	\$ 25,932.23	\$ 14,597.24	\$ -	\$ 1,400,943.59
Task 2.1	Preliminary Design/Engineering	\$ 1,870,740.96	\$ 119,350.36	\$ 313,829.36	\$ 288,867.45	\$ 73,026.20	\$ 411,593.14	\$ 3,077,407.46
Task 2.2	Environmental Investigations	\$ 744,974.02	\$ 73,885.68	\$ -	\$ -	\$ 12,826.32	\$ -	\$ 831,686.02
Task 2.3	Final Design/Engineering	\$ 3,329,905.47	\$ 550,108.38	\$ 291,155.50	\$ 88,464.56	\$ 125,059.20	\$ -	\$ 4,384,693.11
Totals		\$ 7,301,152.07	\$ 748,226.92	\$ 604,984.86	\$ 403,264.24	\$ 225,508.96	\$ 411,593.14	\$ 9,694,730.19

DBE PARTICIPATION

	TOTAL COST %
SJH Engineering	7.72%
JCMS	6.24%
Naik Consulting Group	3.20%
Sowinski Sullivan Architects	2.33%
SA Engineering	0.00%
Hampton-Clarke/Veritech Laboratories	0.69%
DBE TOTAL	20.18%

NJ TRANSIT Contract No. 13-006
Task Order Contract - Architectural and Engineering Design Services
Task Order Assignment No. 1 SSRP
Design and Construction Assistance for Substations and related Facilities at
Hoboken Terminal/Yard, Meadowlands Maintenance Complex and Bay Head Yard
Super Storm Sandy Recovery Program

COST AND FEE RECAP - TEAM

FIRM

Gannett Fleming

FIRM	DESCRIPTION	PERSON HOURS	SALARY	OVERHEAD	SUBTOTAL	FIXED FEE	DIRECT EXPENSES	TOTAL COST
Gannett Fleming	Prime	43,680	\$ 2,429,403.76	\$ 3,800,316.30	\$ 6,229,720.06	\$ 622,972.01	\$ 448,460.00	\$ 7,301,152.07
SJH Engineering	Sub	7,654	\$ 276,736.50	\$ 402,651.61	\$ 679,388.11	\$ 67,938.81	\$ 900.00	\$ 748,226.92
JCMS	Sub	4,484	\$ 249,744.00	\$ 300,242.24	\$ 549,986.24	\$ 54,998.62	\$ -	\$ 604,984.86
Naik Consulting Group	Sub	2,762	\$ 111,743.10	\$ 150,406.21	\$ 262,149.31	\$ 26,214.93	\$ 114,900.00	\$ 403,264.24
Sowinski Sullivan Architects	Sub	2,404	\$ 86,370.00	\$ 116,729.06	\$ 203,099.06	\$ 20,309.91	\$ 2,100.00	\$ 225,508.96
SA Engineering	Sub	873	\$ 48,450.00	\$ 74,816.49	\$ 123,266.49	\$ 12,326.65	\$ 276,000.00	\$ 411,593.14
Totals		61,857	\$ 3,202,447.36	\$ 4,845,161.90	\$ 8,047,609.26	\$ 804,760.93	\$ 842,360.00	\$ 9,694,730.19

DBE PARTICIPATION

	TOTAL COST %
SJH Engineering	7.72%
JCMS	6.24%
Naik Consulting Group	3.20%
Sowinski Sullivan Architects	2.33%
SA Engineering	0.00%
Hampton-Clarke/Veritech Laboratories	0.69%
DBE TOTAL	20.18%

NJ TRANSIT Contract No. 13-006
Task Order Contract - Architectural and Engineering Design Services
Task Order Assignment No. 1 SSRP
Design and Construction Assistance for Substations and related Facilities at
Hoboken Terminal/Yard, Meadowlands Maintenance Complex and Bay Head Yard
Super Storm Sandy Recovery Program

COST AND FEE RECAP - BY FIRM / TASK

FIRM

Gannett Fleming

TASK	DESCRIPTION	MAN HOURS	DIRECT LABOR	OVERHEAD	SUBTOTAL	FIXED FEE	DIRECT EXPENSES	TOTAL COST
Task 2	Project Management	5,365	\$ 465,103.58	\$ 727,561.53	\$ 1,192,665.11	\$ 119,266.51	\$ 43,600.00	\$ 1,355,531.62
Task 2.1	Preliminary Design/Engineering	12,240	\$ 644,439.90	\$ 1,008,097.34	\$ 1,652,537.24	\$ 165,253.72	\$ 52,950.00	\$ 1,870,740.96
Task 2.2	Environmental Investigations	4,390	\$ 222,770.00	\$ 348,479.11	\$ 571,249.11	\$ 57,124.91	\$ 116,600.00	\$ 744,974.02
Task 2.3	Final Design/Engineering	21,685	\$ 1,097,090.28	\$ 1,716,178.33	\$ 2,813,268.61	\$ 281,326.86	\$ 235,310.00	\$ 3,329,905.47
Totals		43,680	\$ 2,429,403.76	\$ 3,800,316.30	\$ 6,229,720.06	\$ 622,972.01	\$ 448,460.00	\$ 3,971,246.60

NJ TRANSIT Contract No. 13-006
Task Order Contract - Architectural and Engineering Design Services
Task Order Assignment No. 1 SSRP
Design and Construction Assistance for Substations and related Facilities at
Hoboken Terminal/Yard, Meadowlands Maintenance Complex and Bay Head Yard
Super Storm Sandy Recovery Program

COST AND FEE RECAP - BY FIRM / TASK

FIRM **SJH Engineering**

TASK	DESCRIPTION	MAN HOURS	DIRECT LABOR	OVERHEAD	SUBTOTAL	FIXED FEE	DIRECT EXPENSES	TOTAL COST
Task 2	Project Management	32	\$ 1,808.00	\$ 2,630.64	\$ 4,438.64	\$ 443.86	\$ -	\$ 4,882.50
Task 2.1	Preliminary Design/Engineering	1,046	\$ 44,010.50	\$ 64,035.28	\$ 108,045.78	\$ 10,804.58	\$ 500.00	\$ 119,350.36
Task 2.2	Environmental Investigations	960	\$ 27,360.00	\$ 39,808.80	\$ 67,168.80	\$ 6,716.88	\$ -	\$ 73,885.68
Task 2.3	Final Design/Engineering	5,616	\$ 203,558.00	\$ 296,176.89	\$ 499,734.89	\$ 49,973.49	\$ 400.00	\$ 550,108.38
Totals		7,654	\$ 276,736.50	\$ 402,651.61	\$ 679,388.11	\$ 67,938.81	\$ 900.00	\$ 748,226.92

NJ TRANSIT Contract No. 13-006
Task Order Contract - Architectural and Engineering Design Services
Task Order Assignment No. 1 SSRP
Design and Construction Assistance for Substations and related Facilities at
Hoboken Terminal/Yard, Meadowlands Maintenance Complex and Bay Head Yard
Super Storm Sandy Recovery Program

COST AND FEE RECAP - BY FIRM / TASK

FIRM JCMS

TASK	DESCRIPTION	MAN HOURS	DIRECT LABOR	OVERHEAD	SUBTOTAL	FIXED FEE	DIRECT EXPENSES	TOTAL COST
Task 2	Project Management	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Task 2.1	Preliminary Design/Engineering	2,268	\$ 129,552.00	\$ 155,747.41	\$ 285,299.41	\$ 28,529.94	\$ -	\$ 313,829.36
Task 2.2	Environmental Investigations	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Task 2.3	Final Design/Engineering	2,216	\$ 120,192.00	\$ 144,494.82	\$ 264,686.82	\$ 26,468.68	\$ -	\$ 291,155.50
Totals		4,484	\$ 249,744.00	\$ 300,242.24	\$ 549,986.24	\$ 54,998.62	\$ -	\$ 604,984.86

NJ TRANSIT Contract No. 13-006
Task Order Contract - Architectural and Engineering Design Services
Task Order Assignment No. 1 SSRP
Design and Construction Assistance for Substations and related Facilities at
Hoboken Terminal/Yard, Meadowlands Maintenance Complex and Bay Head Yard
Super Storm Sandy Recovery Program

COST AND FEE RECAP - BY FIRM / TASK

FIRM Naik

TASK	DESCRIPTION	MAN HOURS	DIRECT LABOR	OVERHEAD	SUBTOTAL	FIXED FEE	DIRECT EXPENSES	TOTAL COST
Task 2	Project Management	150	\$ 9,273.90	\$ 12,482.67	\$ 21,756.57	\$ 2,175.66	\$ 2,000.00	\$ 25,932.23
Task 2.1	Preliminary Design/Engineering	1,747	\$ 68,692.34	\$ 92,459.89	\$ 161,152.23	\$ 16,115.22	\$ 111,600.00	\$ 288,867.45
Task 2.2	Environmental Investigations	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Task 2.3	Final Design/Engineering	865	\$ 33,776.86	\$ 45,463.65	\$ 79,240.51	\$ 7,924.05	\$ 1,300.00	\$ 88,464.56
Totals		2,762	\$ 111,743.10	\$ 150,406.21	\$ 262,149.31	\$ 26,214.93	\$ 114,900.00	\$ 403,264.24

NJ TRANSIT Contract No. 13-006
Task Order Contract - Architectural and Engineering Design Services
Task Order Assignment No. 1 SSRP
Design and Construction Assistance for Substations and related Facilities at
Hoboken Terminal/Yard, Meadowlands Maintenance Complex and Bay Head Yard
Super Storm Sandy Recovery Program

COST AND FEE RECAP - BY FIRM / TASK

FIRM **Sowinski Sullivan Architects**

TASK	DESCRIPTION	MAN HOURS	DIRECT LABOR	OVERHEAD	SUBTOTAL	FIXED FEE	DIRECT EXPENSES	TOTAL COST
Task 2	Project Management	94	\$ 5,450.00	\$ 7,365.68	\$ 12,815.68	\$ 1,281.57	\$ 500.00	\$ 14,597.24
Task 2.1	Preliminary Design/Engineering	796	\$ 28,000.00	\$ 37,842.00	\$ 65,842.00	\$ 6,584.20	\$ 600.00	\$ 73,026.20
Task 2.2	Environmental Investigations	128	\$ 4,920.00	\$ 6,649.38	\$ 11,569.38	\$ 1,156.94	\$ 100.00	\$ 12,826.32
Task 2.3	Final Design/Engineering	1,386	\$ 48,000.00	\$ 64,872.00	\$ 112,872.00	\$ 11,287.20	\$ 900.00	\$ 125,059.20
Totals		2,404	\$ 86,370.00	\$ 116,729.06	\$ 203,099.06	\$ 20,309.91	\$ 2,100.00	\$ 225,508.96

NJ TRANSIT Contract No. 13-006
Task Order Contract - Architectural and Engineering Design Services
Task Order Assignment No. 1 SSRP
Design and Construction Assistance for Substations and related Facilities at
Hoboken Terminal/Yard, Meadowlands Maintenance Complex and Bay Head Yard
Super Storm Sandy Recovery Program

COST AND FEE RECAP - BY FIRM / TASK

FIRM SA Engineering

TASK	DESCRIPTION	MAN HOURS	DIRECT LABOR	OVERHEAD	SUBTOTAL	FIXED FEE	DIRECT EXPENSES	TOTAL COST
Task 2	Project Management	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Task 2.1	Preliminary Design/Engineering	873	\$ 48,450.00	\$ 74,816.49	\$ 123,266.49	\$ 12,326.65	\$ 276,000.00	\$ 411,593.14
Task 2.2	Environmental Investigations	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Task 2.3	Final Design/Engineering	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Totals		873	\$ 48,450.00	\$ 74,816.49	\$ 123,266.49	\$ 12,326.65	\$ 276,000.00	\$ 411,593.14

NJ TRANSIT Contract No. 13-006
Task Order Contract - Architectural and Engineering Design Services
Task Order Assignment No. 1 SSRP
Design and Construction Assistance for Substations and related Facilities at
Hoboken Terminal/Yard, Meadowlands Maintenance Complex and Bay Head Yard
Super Storm Sandy Recovery Program

TASK: 2 – Project Management

Firm: Gannett Fleming

TECHNICAL STAFF				
STAFF PERSON/ CLASSIFICATION	PROJECT TITLE OR DISCIPLINE	ESTIMATED HOURS	HOURLY RATE	TOTAL SALARY
George Campanella	Principal-In-Charge	180	\$ 104.00	\$ 18,720.00
David Boate	Senior Consultant	180	\$ 95.61	\$ 17,209.80
James Dziedziak	Project Manager	2450	\$ 103.00	\$ 252,350.00
Theodore Bandy	Electrical Task Leader	254	\$ 89.99	\$ 22,857.46
Richard Kowalski	Electrical Task Leader	504	\$ 89.99	\$ 45,354.96
Syed Ashraf	Electrical Task Leader	364	\$ 89.99	\$ 32,756.36
Ramesh Rajagopal	Environmental Task Leader	360	\$ 75.00	\$ 27,000.00
Senior Electrical Engineer	Electrical	202	\$ 55.00	\$ 11,110.00
Electrical Engineer	Electrical	146	\$ 45.00	\$ 6,570.00
Site Engineer	Civil	580	\$ 45.00	\$ 26,100.00
CADD Technician		145	\$ 35.00	\$ 5,075.00
TOTAL ESTIMATED HOURS		5365		

TOTAL DIRECT SALARY	\$ 465,103.58
OVERHEAD@ 156.43% OF DIRECT SALARY COST	\$ 727,561.53
SUBTOTAL: SALARY + OVERHEAD	\$ 1,192,665.11
FIXED FEE @ 10% OF SALARY + OVERHEAD	\$ 119,266.51
DIRECT EXPENSES (itemized)	\$
travel	\$ 42,500.00
reproduction	\$ 1,100.00
	\$ -
	\$ -
	\$ -
TOTAL DIRECT EXPENSES	\$ 43,600.00
TOTAL THIS TASK (Gannett Fleming)	\$ 1,355,531.62

NJ TRANSIT Contract No. 13-006
Task Order Contract - Architectural and Engineering Design Services
Task Order Assignment No. 1 SSRP
Design and Construction Assistance for Substations and related Facilities at
Hoboken Terminal/Yard, Meadowlands Maintenance Complex and Bay Head Yard
Super Storm Sandy Recovery Program

TASK: 2 – Project Management

Firm: SJH Engineering, PC

TECHNICAL STAFF				
STAFF PERSON/ CLASSIFICATION	PROJECT TITLE OR DISCIPLINE	ESTIMATED HOURS	HOURLY RATE	TOTAL SALARY
Owen Trickey	Senior Structural Engineer	32	\$ 56.50	\$ 1,808.00
Structural Engineer	Structural	0	\$ 36.00	\$ -
CADD Technician	Structural	0	\$ 28.50	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
TOTAL ESTIMATED HOURS		32		

TOTAL DIRECT SALARY	\$ 1,808.00
OVERHEAD@ 145.50% OF DIRECT SALARY COST	\$ 2,630.64
SUBTOTAL: SALARY + OVERHEAD	\$ 4,438.64
FIXED FEE @ 10% OF SALARY + OVERHEAD	\$ 443.86
DIRECT EXPENSES (itemized)	\$
Travel	\$ -
Mail	\$ -
	\$ -
	\$ -
	\$ -
TOTAL DIRECT EXPENSES	\$ -
TOTAL THIS TASK (SJH Engineering, PC)	\$ 4,882.50

NJ TRANSIT Contract No. 13-006
Task Order Contract - Architectural and Engineering Design Services
Task Order Assignment No. 1 SSRP
Design and Construction Assistance for Substations and related Facilities at
Hoboken Terminal/Yard, Meadowlands Maintenance Complex and Bay Head Yard
Super Storm Sandy Recovery Program

TASK: 2 – Project Management

Firm: JCMS, Inc.

TECHNICAL STAFF				
STAFF PERSON/ CLASSIFICATION	PROJECT TITLE OR DISCIPLINE	ESTIMATED HOURS	HOURLY RATE	TOTAL SALARY
Scheduler		0	\$ 60.00	\$ -
Senior Estimator		0	\$ 60.00	\$ -
Estimator		0	\$ 48.00	\$ -
				\$ -
				\$ -
				\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
TOTAL ESTIMATED HOURS		0		

TOTAL DIRECT SALARY	\$ -
OVERHEAD@ 120.22% OF DIRECT SALARY COST	\$ -
SUBTOTAL: SALARY + OVERHEAD	\$ -
FIXED FEE @ 10% OF SALARY + OVERHEAD	\$ -
DIRECT EXPENSES (itemized)	\$
reproduction	
misc.	
	\$ -
	\$ -
	\$ -
TOTAL DIRECT EXPENSES	\$ -
TOTAL THIS TASK (JCMS, Inc.)	\$ -

NJ TRANSIT Contract No. 13-006
Task Order Contract - Architectural and Engineering Design Services
Task Order Assignment No. 1 SSRP
Design and Construction Assistance for Substations and related Facilities at
Hoboken Terminal/Yard, Meadowlands Maintenance Complex and Bay Head Yard
Super Storm Sandy Recovery Program

TASK: 2 – Project Management

Firm: Naik Consulting Group, PC

TECHNICAL STAFF				
STAFF PERSON/ CLASSIFICATION	PROJECT TITLE OR DISCIPLINE	ESTIMATED HOURS	HOURLY RATE	TOTAL SALARY
Samir Mody	Principal-In-Charge	30	\$ 84.13	\$ 2,523.90
Ronald Rotunno	Project Manager	100	\$ 57.50	\$ 5,750.00
CADD Manager	Survey/Utility	20	\$ 50.00	\$ 1,000.00
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
TOTAL ESTIMATED HOURS		150		

TOTAL DIRECT SALARY	\$ 9,273.90
OVERHEAD@ 134.60% OF DIRECT SALARY COST	\$ 12,482.67
SUBTOTAL: SALARY + OVERHEAD	\$ 21,756.57
FIXED FEE @ 10% OF SALARY + OVERHEAD	\$ 2,175.66
DIRECT EXPENSES (itemized)	\$
reproduction	\$ 1,200.00
misc.	\$ 300.00
mailings	\$ 500.00
	\$ -
	\$ -
TOTAL DIRECT EXPENSES	\$ 2,000.00
TOTAL THIS TASK (Naik Consulting Group, PC)	\$ 25,932.23

NJ TRANSIT Contract No. 13-006
Task Order Contract - Architectural and Engineering Design Services
Task Order Assignment No. 1 SSRP
Design and Construction Assistance for Substations and related Facilities at
Hoboken Terminal/Yard, Meadowlands Maintenance Complex and Bay Head Yard
Super Storm Sandy Recovery Program

TASK: 2 – Project Management

Firm: Sowinski Sullivan Architects, PC

TECHNICAL STAFF				
STAFF PERSON/ CLASSIFICATION	PROJECT TITLE OR DISCIPLINE	ESTIMATED HOURS	HOURLY RATE	TOTAL SALARY
Design Planning Team Leader	Architecture	54	\$ 75.00	\$ 4,050.00
Senior Architect	Architecture	40	\$ 35.00	\$ 1,400.00
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
TOTAL ESTIMATED HOURS		94		

TOTAL DIRECT SALARY	\$ 5,450.00
OVERHEAD@ 135.15% OF DIRECT SALARY COST	\$ 7,365.68
SUBTOTAL: SALARY + OVERHEAD	\$ 12,815.68
FIXED FEE @ 10% OF SALARY + OVERHEAD	\$ 1,281.57
DIRECT EXPENSES (itemized)	\$
travel	\$ 360.00
reproduction	\$ 140.00
mailings	\$ -
	\$ -
	\$ -
TOTAL DIRECT EXPENSES	\$ 500.00
TOTAL THIS TASK (Sowinski Sullivan Architects, PC)	\$ 14,597.24

NJ TRANSIT Contract No. 13-006
Task Order Contract - Architectural and Engineering Design Services
Task Order Assignment No. 1 SSRP
Design and Construction Assistance for Substations and related Facilities at
Hoboken Terminal/Yard, Meadowlands Maintenance Complex and Bay Head Yard
Super Storm Sandy Recovery Program

TASK: 2 – Project Management

Firm: SA Engineering

TECHNICAL STAFF				
STAFF PERSON/ CLASSIFICATION	PROJECT TITLE OR DISCIPLINE	ESTIMATED HOURS	HOURLY RATE	TOTAL SALARY
Principal Geotechnical Engineer	Geotechnical	0	\$ 65.00	\$ -
Supervising Geotechnical Engineer	Geotechnical	0	\$ 50.00	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
TOTAL ESTIMATED HOURS		0		

TOTAL DIRECT SALARY	\$ -
OVERHEAD@ 154.42% OF DIRECT SALARY COST	\$ -
SUBTOTAL: SALARY + OVERHEAD	\$ -
FIXED FEE @ 10% OF SALARY + OVERHEAD	\$ -
DIRECT EXPENSES (itemized)	\$
Test Borings/Drilling/Lab Testing	\$ -
	\$ -
	\$ -
	\$ -
	\$ -
TOTAL DIRECT EXPENSES	\$ -
TOTAL THIS TASK (SA Engineering)	\$ -

NJ TRANSIT Contract No. 13-006
Task Order Contract - Architectural and Engineering Design Services
Task Order Assignment No. 1 SSRP
Design and Construction Assistance for Substations and related Facilities at
Hoboken Terminal/Yard, Meadowlands Maintenance Complex and Bay Head Yard
Super Storm Sandy Recovery Program

TASK: 2.1 – Preliminary Design/Engineering

Firm: Gannett Fleming

TECHNICAL STAFF				
STAFF PERSON/ CLASSIFICATION	PROJECT TITLE OR DISCIPLINE	ESTIMATED HOURS	HOURLY RATE	TOTAL SALARY
Theodore Bandy	Electrical Task Leader	282	\$ 89.99	\$ 25,377.18
Richard Kowalski	Electrical Task Leader	364	\$ 89.99	\$ 32,756.36
Syed Ashraf	Electrical Task Leader	364	\$ 89.99	\$ 32,756.36
Giuseppe Tulumello	Supervising Architect	308	\$ 75.00	\$ 23,100.00
Shafiq Siddiqui	Principal Geotechnical Engineer	650	\$ 65.00	\$ 42,250.00
Charles Gulotta	Senior Mechanical Engineer	148	\$ 55.00	\$ 8,140.00
Yelena Shayer	Senior Site Engineer	254	\$ 55.00	\$ 13,970.00
Senior Electrical Engineer	Electrical	2338	\$ 55.00	\$ 128,590.00
Electrical Engineer	Electrical	2252	\$ 45.00	\$ 101,340.00
Senior Architect	Architectural	628	\$ 55.00	\$ 34,540.00
Senior Geotechnical Engineer	Geotechnical	1620	\$ 55.00	\$ 89,100.00
Mechanical Engineer	Mechanical	148	\$ 45.00	\$ 6,660.00
Site Engineer	Civil	492	\$ 45.00	\$ 22,140.00
CADD Technician		2392	\$ 35.00	\$ 83,720.00
TOTAL ESTIMATED HOURS		12,240		

TOTAL DIRECT SALARY	\$ 644,439.90
OVERHEAD@ 156.43% OF DIRECT SALARY COST	\$ 1,008,097.34
SUBTOTAL: SALARY + OVERHEAD	\$ 1,652,537.24
FIXED FEE @ 10% OF SALARY + OVERHEAD	\$ 165,253.72
DIRECT EXPENSES (itemized)	\$
travel	\$ 37,490.00
reproduction	\$ 5,100.00
mailings	\$ 360.00
Test Borings	\$ 10,000.00
	\$ -
TOTAL DIRECT EXPENSES	\$ 52,950.00
TOTAL THIS TASK (Gannett Fleming)	\$ 1,870,740.96

NJ TRANSIT Contract No. 13-006
Task Order Contract - Architectural and Engineering Design Services
Task Order Assignment No. 1 SSRP
Design and Construction Assistance for Substations and related Facilities at
Hoboken Terminal/Yard, Meadowlands Maintenance Complex and Bay Head Yard
Super Storm Sandy Recovery Program

TASK: 2.1 – Preliminary Design/Engineering

Firm: SJH Engineering, PC

TECHNICAL STAFF				
STAFF PERSON/ CLASSIFICATION	PROJECT TITLE OR DISCIPLINE	ESTIMATED HOURS	HOURLY RATE	TOTAL SALARY
Owen Trickey	Senior Structural Engineer	329	\$ 56.50	\$ 18,588.50
Structural Engineer	Structural	665	\$ 36.00	\$ 23,940.00
CADD Technician	Structural	52	\$ 28.50	\$ 1,482.00
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
TOTAL ESTIMATED HOURS		1,046		

TOTAL DIRECT SALARY	\$ 44,010.50
OVERHEAD@ 145.50% OF DIRECT SALARY COST	\$ 64,035.28
SUBTOTAL: SALARY + OVERHEAD	\$ 108,045.78
FIXED FEE @ 10% OF SALARY + OVERHEAD	\$ 10,804.58
DIRECT EXPENSES (itemized)	\$
Travel	\$ 400.00
Mail	\$ 50.00
Mailings	\$ 50.00
	\$ -
	\$ -
TOTAL DIRECT EXPENSES	\$ 500.00
TOTAL THIS TASK (SJH Engineering, PC)	\$ 119,350.36

NJ TRANSIT Contract No. 13-006
Task Order Contract - Architectural and Engineering Design Services
Task Order Assignment No. 1 SSRP
Design and Construction Assistance for Substations and related Facilities at
Hoboken Terminal/Yard, Meadowlands Maintenance Complex and Bay Head Yard
Super Storm Sandy Recovery Program

TASK: 2.1 – Preliminary Design/Engineering

Firm: JCMS, Inc.

TECHNICAL STAFF				
STAFF PERSON/ CLASSIFICATION	PROJECT TITLE OR DISCIPLINE	ESTIMATED HOURS	HOURLY RATE	TOTAL SALARY
Scheduler		1244	\$ 60.00	\$ 74,640.00
Senior Estimator		480	\$ 60.00	\$ 28,800.00
Estimator		544	\$ 48.00	\$ 26,112.00
				\$ -
				\$ -
				\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
TOTAL ESTIMATED HOURS		2268		

TOTAL DIRECT SALARY	\$ 129,552.00
OVERHEAD@ 120.22% OF DIRECT SALARY COST	\$ 155,747.41
SUBTOTAL: SALARY + OVERHEAD	\$ 285,299.41
FIXED FEE @ 10% OF SALARY + OVERHEAD	\$ 28,529.94
DIRECT EXPENSES (itemized)	\$
reproduction	
misc.	
	\$ -
	\$ -
	\$ -
TOTAL DIRECT EXPENSES	\$ -
TOTAL THIS TASK (JCMS, Inc.)	\$ 313,829.36

NJ TRANSIT Contract No. 13-006
Task Order Contract - Architectural and Engineering Design Services
Task Order Assignment No. 1 SSRP
Design and Construction Assistance for Substations and related Facilities at
Hoboken Terminal/Yard, Meadowlands Maintenance Complex and Bay Head Yard
Super Storm Sandy Recovery Program

TASK: 2.1 – Preliminary Design/Engineering

Firm: Naik Consulting Group, PC

TECHNICAL STAFF				
STAFF PERSON/ CLASSIFICATION	PROJECT TITLE OR DISCIPLINE	ESTIMATED HOURS	HOURLY RATE	TOTAL SALARY
Samir Mody	Principal-In-Charge	18	\$ 84.13	\$ 1,514.34
Ronald Rotunno	Project Manager	22	\$ 57.50	\$ 1,265.00
Richard Baron	Project Survey Manager	96	\$ 57.50	\$ 5,520.00
Supervising Engineer	Survey/Utility	242	\$ 50.00	\$ 12,100.00
Senior Engineer	Survey/Utility	93	\$ 45.00	\$ 4,185.00
CADD Manager	Survey/Utility	122	\$ 50.00	\$ 6,100.00
CADD Technician	Survey/Utility	794	\$ 32.00	\$ 25,408.00
Field Surveyor	Survey	360	\$ 35.00	\$ 12,600.00
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
TOTAL ESTIMATED HOURS		1747		

TOTAL DIRECT SALARY	\$ 68,692.34
OVERHEAD@ 134.60% OF DIRECT SALARY COST	\$ 92,459.89
SUBTOTAL: SALARY + OVERHEAD	\$ 161,152.23
FIXED FEE @ 10% OF SALARY + OVERHEAD	\$ 16,115.22
travel	\$ 1,000.00
reproduction	\$ 200.00
mailings	\$ 200.00
Hoboken Rail Yard 9 Test Holes	\$ 46,800.00
MMC Yard 9 Test Holes	\$ 45,200.00
Bay Head Yard 3 Test Holes	\$ 18,200.00
TOTAL DIRECT EXPENSES	\$ 111,600.00
TOTAL THIS TASK (Naik Consulting Group, PC)	\$ 288,867.45

NJ TRANSIT Contract No. 13-006
Task Order Contract - Architectural and Engineering Design Services
Task Order Assignment No. 1 SSRP
Design and Construction Assistance for Substations and related Facilities at
Hoboken Terminal/Yard, Meadowlands Maintenance Complex and Bay Head Yard
Super Storm Sandy Recovery Program

TASK: 2.1 – Preliminary Design/Engineering

Firm: Sowinski Sullivan Architects, PC

TECHNICAL STAFF				
STAFF PERSON/ CLASSIFICATION	PROJECT TITLE OR DISCIPLINE	ESTIMATED HOURS	HOURLY RATE	TOTAL SALARY
Senior Consultant	Architecture	16	\$ 75.00	\$ 1,200.00
Design Planning Team Leader	Architecture	40	\$ 75.00	\$ 3,000.00
Project Specialist	Architecture	16	\$ 60.00	\$ 960.00
Principal Architect	Architecture	124	\$ 40.00	\$ 4,960.00
Senior Architect	Architecture	360	\$ 35.00	\$ 12,600.00
Field Survey Staff	Architecture	120	\$ 25.00	\$ 3,000.00
CADD Technician	Architecture	120	\$ 19.00	\$ 2,280.00
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
TOTAL ESTIMATED HOURS		796		

TOTAL DIRECT SALARY	\$ 28,000.00
OVERHEAD@ 135.15% OF DIRECT SALARY COST	\$ 37,842.00
SUBTOTAL: SALARY + OVERHEAD	\$ 65,842.00
FIXED FEE @ 10% OF SALARY + OVERHEAD	\$ 6,584.20
DIRECT EXPENSES (itemized)	\$
travel	\$ 250.00
reproduction	\$ 350.00
mailings	\$ -
	\$ -
	\$ -
TOTAL DIRECT EXPENSES	\$ 600.00
TOTAL THIS TASK (Sowinski Sullivan Architects, PC)	\$ 73,026.20

NJ TRANSIT Contract No. 13-006
Task Order Contract - Architectural and Engineering Design Services
Task Order Assignment No. 1 SSRP
Design and Construction Assistance for Substations and related Facilities at
Hoboken Terminal/Yard, Meadowlands Maintenance Complex and Bay Head Yard
Super Storm Sandy Recovery Program

TASK: 2.1 – Preliminary Design/Engineering

Firm: SA Engineering

TECHNICAL STAFF				
STAFF PERSON/ CLASSIFICATION	PROJECT TITLE OR DISCIPLINE	ESTIMATED HOURS	HOURLY RATE	TOTAL SALARY
Principal Geotechnical Engineer	Geotechnical	320	\$ 65.00	\$ 20,800.00
Supervising Geotechnical Engineer	Geotechnical	553	\$ 50.00	\$ 27,650.00
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
TOTAL ESTIMATED HOURS		873		

TOTAL DIRECT SALARY	\$ 48,450.00
OVERHEAD@ 154.42% OF DIRECT SALARY COST	\$ 74,816.49
SUBTOTAL: SALARY + OVERHEAD	\$ 123,266.49
FIXED FEE @ 10% OF SALARY + OVERHEAD	\$ 12,326.65
DIRECT EXPENSES (itemized)	\$
Test Borings/Drilling/Lab Testing	\$ 276,000.00
	\$ -
	\$ -
	\$ -
	\$ -
TOTAL DIRECT EXPENSES	\$ 276,000.00
TOTAL THIS TASK (SA Engineering)	\$ 411,593.14

NJ TRANSIT Contract No. 13-006
Task Order Contract - Architectural and Engineering Design Services
Task Order Assignment No. 1 SSRP
Design and Construction Assistance for Substations and related Facilities at
Hoboken Terminal/Yard, Meadowlands Maintenance Complex and Bay Head Yard
Super Storm Sandy Recovery Program

2.2 – Environmental Investigations

Firm: Gannett Fleming

TECHNICAL STAFF				
STAFF PERSON/ CLASSIFICATION	PROJECT TITLE OR DISCIPLINE	ESTIMATED HOURS	HOURLY RATE	TOTAL SALARY
Ramesh Rajagopal	Environmental Task Leader	278	\$ 75.00	\$ 20,850.00
Michael Brady	Senior Environmental Engineer	184	\$ 55.00	\$ 10,120.00
Senior Environmental Scientist	Environmental	1566	\$ 55.00	\$ 86,130.00
Environmental Scientist	Environmental	2300	\$ 45.00	\$ 103,500.00
CADD Technician		62	\$ 35.00	\$ 2,170.00
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
TOTAL ESTIMATED HOURS		4,390		

TOTAL DIRECT SALARY	\$ 222,770.00
OVERHEAD@ 156.43% OF DIRECT SALARY COST	\$ 348,479.11
SUBTOTAL: SALARY + OVERHEAD	\$ 571,249.11
FIXED FEE @ 10% OF SALARY + OVERHEAD	\$ 57,124.91
travel	\$ 13,150.00
reproduction	\$ 22,450.00
mailings	\$ 8,300.00
photographic	\$ 6,000.00
laboratory analysis	\$ 49,200.00
laboratory analysis	\$ 17,500.00
TOTAL DIRECT EXPENSES	\$ 116,600.00
TOTAL THIS TASK (Gannett Fleming)	\$ 744,974.02

NJ TRANSIT Contract No. 13-006
Task Order Contract - Architectural and Engineering Design Services
Task Order Assignment No. 1 SSRP
Design and Construction Assistance for Substations and related Facilities at
Hoboken Terminal/Yard, Meadowlands Maintenance Complex and Bay Head Yard
Super Storm Sandy Recovery Program

2.2 – Environmental Investigations

Firm: SJH Engineering, PC

TECHNICAL STAFF				
STAFF PERSON/ CLASSIFICATION	PROJECT TITLE OR DISCIPLINE	ESTIMATED HOURS	HOURLY RATE	TOTAL SALARY
CADD Technician	Structural	960	\$ 28.50	\$ 27,360.00
		0	\$ -	\$ -
		0	\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
TOTAL ESTIMATED HOURS		960		

TOTAL DIRECT SALARY	\$ 27,360.00
OVERHEAD@ 145.50% OF DIRECT SALARY COST	\$ 39,808.80
SUBTOTAL: SALARY + OVERHEAD	\$ 67,168.80
FIXED FEE @ 10% OF SALARY + OVERHEAD	\$ 6,716.88
DIRECT EXPENSES (itemized)	\$
Travel	\$ -
Mail	\$ -
Mailings	\$ -
	\$ -
	\$ -
TOTAL DIRECT EXPENSES	\$ -
TOTAL THIS TASK (SJH Engineering, PC)	\$ 73,885.68

NJ TRANSIT Contract No. 13-006
Task Order Contract - Architectural and Engineering Design Services
Task Order Assignment No. 1 SSRP
Design and Construction Assistance for Substations and related Facilities at
Hoboken Terminal/Yard, Meadowlands Maintenance Complex and Bay Head Yard
Super Storm Sandy Recovery Program

2.2 – Environmental Investigations

Firm: JCMS, Inc.

TECHNICAL STAFF				
STAFF PERSON/ CLASSIFICATION	PROJECT TITLE OR DISCIPLINE	ESTIMATED HOURS	HOURLY RATE	TOTAL SALARY
Scheduler		0	\$ 60.00	\$ -
Senior Estimator		0	\$ 60.00	\$ -
Estimator		0	\$ 48.00	\$ -
				\$ -
				\$ -
				\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
TOTAL ESTIMATED HOURS		0		

TOTAL DIRECT SALARY	\$ -
OVERHEAD@ 120.22% OF DIRECT SALARY COST	\$ -
SUBTOTAL: SALARY + OVERHEAD	\$ -
FIXED FEE @ 10% OF SALARY + OVERHEAD	\$ -
DIRECT EXPENSES (itemized)	\$
reproduction	
misc.	
	\$ -
	\$ -
	\$ -
TOTAL DIRECT EXPENSES	\$ -
TOTAL THIS TASK (JCMS, Inc.)	\$ -

NJ TRANSIT Contract No. 13-006
Task Order Contract - Architectural and Engineering Design Services
Task Order Assignment No. 1 SSRP
Design and Construction Assistance for Substations and related Facilities at
Hoboken Terminal/Yard, Meadowlands Maintenance Complex and Bay Head Yard
Super Storm Sandy Recovery Program

2.2 – Environmental Investigations

Firm: Naik Consulting Group, PC

TECHNICAL STAFF				
STAFF PERSON/ CLASSIFICATION	PROJECT TITLE OR DISCIPLINE	ESTIMATED HOURS	HOURLY RATE	TOTAL SALARY
Samir Mody	Principal-In-Charge	0	\$ 84.13	\$ -
Ronald Rotunno	Project Manager	0	\$ 57.50	\$ -
Richard Baron	Project Survey Manager	0	\$ 57.50	\$ -
Supervising Engineer	Survey/Utility	0	\$ 50.00	\$ -
Senior Engineer	Survey/Utility	0	\$ 45.00	\$ -
CADD Manager	Survey/Utility	0	\$ 50.00	\$ -
CADD Technician	Survey/Utility	0	\$ 32.00	\$ -
Field Surveyor	Survey	0	\$ 35.00	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
TOTAL ESTIMATED HOURS		0		

TOTAL DIRECT SALARY	\$ -
OVERHEAD@ 134.60% OF DIRECT SALARY COST	\$ -
SUBTOTAL: SALARY + OVERHEAD	\$ -
FIXED FEE @ 10% OF SALARY + OVERHEAD	\$ -
travel	\$ -
reproduction	\$ -
mailings	\$ -
Hoboken Rail Yard 9 Test Holes	\$ -
MMC Yard 9 Test Holes	\$ -
Bay Head Yard 3 Test Holes	\$ -
TOTAL DIRECT EXPENSES	\$ -
TOTAL THIS TASK (Naik Consulting Group, PC)	\$ -

NJ TRANSIT Contract No. 13-006
Task Order Contract - Architectural and Engineering Design Services
Task Order Assignment No. 1 SSRP
Design and Construction Assistance for Substations and related Facilities at
Hoboken Terminal/Yard, Meadowlands Maintenance Complex and Bay Head Yard
Super Storm Sandy Recovery Program

2.2 – Environmental Investigations

Firm: Sowinski Sullivan Architects, PC

TECHNICAL STAFF				
STAFF PERSON/ CLASSIFICATION	PROJECT TITLE OR DISCIPLINE	ESTIMATED HOURS	HOURLY RATE	TOTAL SALARY
Design Planning Team Leader	Architecture	24	\$ 75.00	\$ 1,800.00
Principal Architect	Architecture	24	\$ 40.00	\$ 960.00
Senior Architect	Architecture	40	\$ 35.00	\$ 1,400.00
CADD Technician	Architecture	40	\$ 19.00	\$ 760.00
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
TOTAL ESTIMATED HOURS		128		

TOTAL DIRECT SALARY	\$ 4,920.00
OVERHEAD@ 135.15% OF DIRECT SALARY COST	\$ 6,649.38
SUBTOTAL: SALARY + OVERHEAD	\$ 11,569.38
FIXED FEE @ 10% OF SALARY + OVERHEAD	\$ 1,156.94
DIRECT EXPENSES (itemized)	\$
travel	\$ -
reproduction	\$ 100.00
mailings	\$ -
	\$ -
	\$ -
TOTAL DIRECT EXPENSES	\$ 100.00
TOTAL THIS TASK (Sowinski Sullivan Architects, PC)	\$ 12,826.32

NJ TRANSIT Contract No. 13-006
Task Order Contract - Architectural and Engineering Design Services
Task Order Assignment No. 1 SSRP
Design and Construction Assistance for Substations and related Facilities at
Hoboken Terminal/Yard, Meadowlands Maintenance Complex and Bay Head Yard
Super Storm Sandy Recovery Program

2.2 – Environmental Investigations

Firm: SA Engineering

TECHNICAL STAFF				
STAFF PERSON/ CLASSIFICATION	PROJECT TITLE OR DISCIPLINE	ESTIMATED HOURS	HOURLY RATE	TOTAL SALARY
Principal Geotechnical Engineer	Geotechnical	0	\$ 65.00	\$ -
Supervising Geotechnical Engineer	Geotechnical	0	\$ 50.00	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
TOTAL ESTIMATED HOURS		0		

TOTAL DIRECT SALARY	\$ -
OVERHEAD@ 154.42% OF DIRECT SALARY COST	\$ -
SUBTOTAL: SALARY + OVERHEAD	\$ -
FIXED FEE @ 10% OF SALARY + OVERHEAD	\$ -
DIRECT EXPENSES (Itemized)	\$
Test Borings/Drilling/Lab Testing	\$ -
	\$ -
	\$ -
	\$ -
	\$ -
TOTAL DIRECT EXPENSES	\$ -
TOTAL THIS TASK (SA Engineering)	\$ -

NJ TRANSIT Contract No. 13-006
Task Order Contract - Architectural and Engineering Design Services
Task Order Assignment No. 1 SSRP
Design and Construction Assistance for Substations and related Facilities at
Hoboken Terminal/Yard, Meadowlands Maintenance Complex and Bay Head Yard
Super Storm Sandy Recovery Program

TASK: 2.3 – Final Design/Engineering

Firm: Gannett Fleming

TECHNICAL STAFF				
STAFF PERSON/ CLASSIFICATION	PROJECT TITLE OR DISCIPLINE	ESTIMATED HOURS	HOURLY RATE	TOTAL SALARY
Theodore Bandy	Electrical Task Leader	478	\$ 89.99	\$ 43,015.22
Richard Kowalski	Electrical Task Leader	518	\$ 89.99	\$ 46,614.82
Syed Ashraf	Electrical Task Leader	476	\$ 89.99	\$ 42,835.24
Giuseppe Tulumello	Supervising Architect	842	\$ 75.00	\$ 63,150.00
Shafiq Siddiqui	Principal Geotechnical Engineer	10	\$ 65.00	\$ 650.00
Charles Gulotta	Senior Mechanical Engineer	292	\$ 55.00	\$ 16,060.00
Yelena Shayer	Senior Site Engineer	712	\$ 55.00	\$ 39,160.00
Michael Brady	Senior Environmental Engineer	84	\$ 55.00	\$ 4,620.00
Senior Electrical Engineer	Electrical	4362	\$ 55.00	\$ 239,910.00
Electrical Engineer	Electrical	5350	\$ 45.00	\$ 240,750.00
Senior Architect	Architectural	1812	\$ 55.00	\$ 99,660.00
Senior Geotechnical Engineer	Geotechnical	20	\$ 55.00	\$ 1,100.00
Mechanical Engineer	Mechanical	292	\$ 45.00	\$ 13,140.00
Site Engineer	Civil	1739	\$ 45.00	\$ 78,255.00
CADD Technician		374	\$ 45.00	\$ 16,830.00
		4324	\$ 35.00	\$ 151,340.00
TOTAL ESTIMATED HOURS		21,685		

TOTAL DIRECT SALARY	\$ 1,097,090.28
OVERHEAD@ 156.43% OF DIRECT SALARY COST	\$ 1,716,178.33
SUBTOTAL: SALARY + OVERHEAD	\$ 2,813,268.61
FIXED FEE @ 10% OF SALARY + OVERHEAD	\$ 281,326.86
travel	\$ 28,510.00
reproduction	\$ 63,800.00
mailings	\$ 3,000.00
Permit Fees	\$ 140,000.00
	\$ -
	\$ -
TOTAL DIRECT EXPENSES	\$ 235,310.00
TOTAL THIS TASK (Gannett Fleming)	\$ 3,329,905.47

NJ TRANSIT Contract No. 13-006
Task Order Contract - Architectural and Engineering Design Services
Task Order Assignment No. 1 SSRP
Design and Construction Assistance for Substations and related Facilities at
Hoboken Terminal/Yard, Meadowlands Maintenance Complex and Bay Head Yard
Super Storm Sandy Recovery Program

TASK: 2.3 – Final Design/Engineering

Firm: SJH Engineering, PC

TECHNICAL STAFF				
STAFF PERSON/ CLASSIFICATION	PROJECT TITLE OR DISCIPLINE	ESTIMATED HOURS	HOURLY RATE	TOTAL SALARY
Owen Trickey	Senior Structural Engineer	989	\$ 56.50	\$ 55,878.50
Structural Engineer	Structural	2108	\$ 36.00	\$ 75,888.00
CADD Technician	Structural	2519	\$ 28.50	\$ 71,791.50
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
TOTAL ESTIMATED HOURS		5,616		

TOTAL DIRECT SALARY	\$ 203,558.00
OVERHEAD@ 145.50% OF DIRECT SALARY COST	\$ 296,176.89
SUBTOTAL: SALARY + OVERHEAD	\$ 499,734.89
FIXED FEE @ 10% OF SALARY + OVERHEAD	\$ 49,973.49
DIRECT EXPENSES (itemized)	\$
Travel	\$ 200.00
Reproduction	\$ 100.00
Mailings	\$ 100.00
	\$ -
	\$ -
TOTAL DIRECT EXPENSES	\$ 400.00
TOTAL THIS TASK (SJH Engineering, PC)	\$ 550,108.38

NJ TRANSIT Contract No. 13-006
Task Order Contract - Architectural and Engineering Design Services
Task Order Assignment No. 1 SSRP
Design and Construction Assistance for Substations and related Facilities at
Hoboken Terminal/Yard, Meadowlands Maintenance Complex and Bay Head Yard
Super Storm Sandy Recovery Program

TASK: 2.3 – Final Design/Engineering

Firm: JCMS, Inc.

TECHNICAL STAFF				
STAFF PERSON/ CLASSIFICATION	PROJECT TITLE OR DISCIPLINE	ESTIMATED HOURS	HOURLY RATE	TOTAL SALARY
Scheduler		376	\$ 60.00	\$ 22,560.00
Senior Estimator		776	\$ 60.00	\$ 46,560.00
Estimator		1064	\$ 48.00	\$ 51,072.00
				\$ -
				\$ -
				\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
TOTAL ESTIMATED HOURS		2216		

TOTAL DIRECT SALARY	\$ 120,192.00
OVERHEAD@ 120.22% OF DIRECT SALARY COST	\$ 144,494.82
SUBTOTAL: SALARY + OVERHEAD	\$ 264,686.82
FIXED FEE @ 10% OF SALARY + OVERHEAD	\$ 26,468.68
DIRECT EXPENSES (itemized)	\$
reproduction	
misc.	
	\$ -
	\$ -
	\$ -
TOTAL DIRECT EXPENSES	\$ -
TOTAL THIS TASK (JCMS, Inc.)	\$ 291,155.50

NJ TRANSIT Contract No. 13-006
Task Order Contract - Architectural and Engineering Design Services
Task Order Assignment No. 1 SSRP
Design and Construction Assistance for Substations and related Facilities at
Hoboken Terminal/Yard, Meadowlands Maintenance Complex and Bay Head Yard
Super Storm Sandy Recovery Program

TASK: 2.3 – Final Design/Engineering

Firm: Naik Consulting Group, PC

TECHNICAL STAFF				
STAFF PERSON/ CLASSIFICATION	PROJECT TITLE OR DISCIPLINE	ESTIMATED HOURS	HOURLY RATE	TOTAL SALARY
Samir Mody	Principal-In-Charge	22	\$ 84.13	\$ 1,850.86
Ronald Rotunno	Project Manager	118	\$ 57.50	\$ 6,785.00
Senior Engineer	Survey/Utility	141	\$ 45.00	\$ 6,345.00
CADD Manager	Survey/Utility	6	\$ 50.00	\$ 300.00
CADD Technician	Survey/Utility	578	\$ 32.00	\$ 18,496.00
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
TOTAL ESTIMATED HOURS		865		

TOTAL DIRECT SALARY	\$ 33,776.86
OVERHEAD@ 134.60% OF DIRECT SALARY COST	\$ 45,463.65
SUBTOTAL: SALARY + OVERHEAD	\$ 79,240.51
FIXED FEE @ 10% OF SALARY + OVERHEAD	\$ 7,924.05
travel	\$ 800.00
reproduction	\$ 300.00
mailings	\$ 200.00
Hoboken Rail Yard 9 Test Holes	\$ -
MMC Yard 9 Test Holes	\$ -
Bay Head Yard 3 Test Holes	\$ -
TOTAL DIRECT EXPENSES	\$ 1,300.00
TOTAL THIS TASK (Naik Consulting Group, PC)	\$ 88,464.56

NJ TRANSIT Contract No. 13-006
Task Order Contract - Architectural and Engineering Design Services
Task Order Assignment No. 1 SSRP
Design and Construction Assistance for Substations and related Facilities at
Hoboken Terminal/Yard, Meadowlands Maintenance Complex and Bay Head Yard
Super Storm Sandy Recovery Program

TASK: 2.3 – Final Design/Engineering

Firm: Sowinski Sullivan Architects, PC

TECHNICAL STAFF				
STAFF PERSON/ CLASSIFICATION	PROJECT TITLE OR DISCIPLINE	ESTIMATED HOURS	HOURLY RATE	TOTAL SALARY
Senior Consultant	Architecture	16	\$ 75.00	\$ 1,200.00
Design Planning Team Leader	Architecture	24	\$ 75.00	\$ 1,800.00
Project Specialist	Architecture	32	\$ 60.00	\$ 1,920.00
Principal Architect	Architecture	250	\$ 40.00	\$ 10,000.00
Senior Architect	Architecture	768	\$ 35.00	\$ 26,880.00
Field Survey Staff	Architecture	96	\$ 25.00	\$ 2,400.00
CADD Technician	Architecture	200	\$ 19.00	\$ 3,800.00
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
TOTAL ESTIMATED HOURS		1386		

TOTAL DIRECT SALARY	\$ 48,000.00
OVERHEAD@ 135.15% OF DIRECT SALARY COST	\$ 64,872.00
SUBTOTAL: SALARY + OVERHEAD	\$ 112,872.00
FIXED FEE @ 10% OF SALARY + OVERHEAD	\$ 11,287.20
DIRECT EXPENSES (itemized)	\$
travel	\$ -
reproduction	\$ 900.00
mailings	\$ -
	\$ -
	\$ -
TOTAL DIRECT EXPENSES	\$ 900.00
TOTAL THIS TASK (Sowinski Sullivan Architects, PC)	\$ 125,059.20

NJ TRANSIT Contract No. 13-006
Task Order Contract - Architectural and Engineering Design Services
Task Order Assignment No. 1 SSRP
Design and Construction Assistance for Substations and related Facilities at
Hoboken Terminal/Yard, Meadowlands Maintenance Complex and Bay Head Yard
Super Storm Sandy Recovery Program

TASK: 2.3 – Final Design/Engineering

Firm: SA Engineering

TECHNICAL STAFF				
STAFF PERSON/ CLASSIFICATION	PROJECT TITLE OR DISCIPLINE	ESTIMATED HOURS	HOURLY RATE	TOTAL SALARY
Principal Geotechnical Engineer	Geotechnical	0	\$ 65.00	\$ -
Supervising Geotechnical Engineer	Geotechnical	0	\$ 50.00	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
TOTAL ESTIMATED HOURS		0		

TOTAL DIRECT SALARY	\$ -
OVERHEAD@ 154.42% OF DIRECT SALARY COST	\$ -
SUBTOTAL: SALARY + OVERHEAD	\$ -
FIXED FEE @ 10% OF SALARY + OVERHEAD	\$ -
DIRECT EXPENSES (itemized)	\$
Test Borings/Drilling/Lab Testing	\$ -
	\$ -
	\$ -
	\$ -
	\$ -
TOTAL DIRECT EXPENSES	\$ -
TOTAL THIS TASK (SA Engineering)	\$ -

NJ TRANSIT Contract No. 13-006A
Task Order Assignment No. 1 SSRP
Tasks 2.0 – 2.3

Exhibit C



Gannett Fleming

Excellence Delivered As Promised

June 4, 2014

Mr. Renzo Sosa
Senior Contract Specialist
Procurement Department
New Jersey TRANSIT
One Penn Plaza East
Newark, NJ 07105

**RE: Technical Proposal for New Jersey TRANSIT
Task Order Contract No. 13-006A, Architectural and Engineering Design Services
TOC Assignment No. 1: Design and Construction Assistance for Substations and
Related Facilities Super Storm Sandy Recovery Program – Good Faith Effort**

Dear Mr. Sosa:

As our response to the above Task Order Assignment request for proposal, Gannett Fleming put together a team of qualified firms to support our efforts to deliver this highly important and specialized project while meeting the Disadvantage Business Enterprise (DBE) goal of 25%. To achieve this goal, we invited the following firms:

- JCMS, Inc. – Cost Estimating
- SA Engineering, LLC – Geotechnical Engineering (SAE)
- Sowinski Sullivan Architects, P.C. – Architecture
- SJH Engineering, P.C. – Structural
- Naik Consulting Group, P.C. – Survey, Mapping & Utilities (Naik)
- Hampton-Clarke/Veritech Laboratories – Lab Testing

Upon receipt and inclusion of their cost proposals and further negotiations with NJ Transit, the resultant percentage achieved that was submitted as part of our March 13, 2014 revised proposal was 25.39%. At the time of proposal development, our subconsultants incorporated direct expenses for a drilling contractor (SAE) and a subsurface utility investigation contractor (Naik).

On the Boring Contract (Drilling Contractor), SAE developed and invited four (4) potential contractors with the desire of obtaining three competitive bids. Two of these invitees were DBE certified contractors. They received response from four (4) with the lowest bid submitted by a non-DBE contractor \$27,653 lower than the closest DBE (\$165,457 vs \$193,110). In determining best value to NJ Transit, SAE awarded the contract to the non-DBE contractor TRC Solutions.

The subsurface utility investigation was initially planned to be performed by Naik themselves, but with equipment problems and a fast-paced project, Naik decided to bring on a trusted partner, TWT in whom they were confident would meet the schedule demands.

Gannett Fleming, Inc.

Mailbox #776 • Suite 1420 • 1037 Raymond Boulevard • Newark, NJ 07102-5427
t 973.368 0762 • f 973.799.0650
www.gannettfleming.com

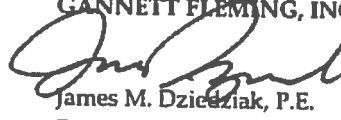
These two project decisions resulted in the DBE percentage to decrease to 22.75%.

Gannett Fleming is committed to meeting this project DBE goal of 25% and will continue to search for additional opportunities to engage DBE resources to increase the current ratio; we are committed to making a good faith effort to meet our contractual DBE program requirements.

If you have any questions, please do not hesitate to contact me.

Sincerely,

GANNETT FLEMING, INC.

A handwritten signature in black ink, appearing to read 'James M. Dziechziak', is written over the printed name.

James M. Dziechziak, P.E.

Project Manager

First Tier DBE UTILIZATION - FORM A

Project Name: Architectural and Engineering Design Services
Design & Construction Assistance for Repair, Reconstruction, and/or Replacement of
Electrical Substations Super Storm Sandy Recovery Program

NJT Contract No: 13-006A

Assigned DBE Goal %: 25% NJT Procurement Specialist: Renzo Sosa Contract Value (\$): 9,694,730.19

First Tier DBE must perform at least 51% of its subcontract value if subcontracting to a Second -Tier DBE or Non-DBE. Do not count Non-DBE portion toward the goal.

Name, Address and Telephone # of DBE Subcontractor/Subconsultant	Provide <u>Detailed</u> Scope of Work to be Performed (Identify all suppliers)	Dollar Value of Subcontract/Sub-consultant Work (\$) Awarded	Percentage of Subcontract Work (%)
JCMS, Inc. - 1741 Whitehorse-Mercerville Road, Mercerville, NJ 08619 (609)631-0700	Cost Estimating	\$ 604,984.86	6.24 %
SA Engineering, LLC - 27 Clyde Road, Ste. 202 Somerset, NJ 08873 (732)873-1166	Geotechnical Engineering	\$ 411,593.14	4.25 %
Sowinski Sullivan Architects, P.C. - 25 Mohawk Avenue Sparta, NJ 07871 (973)726-3260	Architectural Support	\$ 225,508.96	2.33 %
SJH Engineering, P.C. - 26 Jefferson Plaza Princeton, NJ 08540 (732)329-0500	Structural Support	\$ 748,226.92	7.72 %
Naik Consulting Group, P.C. - 200 Metroplex Drive, Ste. 203 Edison, NJ 08817 (732)777-0030	Mapping Survey	\$ 403,264.24	4.16 %
For DBE suppliers, show original subcontract value multiplied by 60% (\$2,000*60%=\$1200). For DBE portion of work, subtract Non-DBE portion of work from original subcontract value.	SUBTOTAL PAGE 1	\$ 2,393,578.12	24.70%

The undersigned will enter into a formal agreement with the DBE(s) listed in this schedule conditioned upon execution of a contract with NJ TRANSIT for the above referenced project. The undersigned understands that removal/replacement of the DBE(s) listed is **NOT PERMISSIBLE** for any reason (pre or post-award), without submitting a written request to the Office of Business Development and receiving **WRITTEN APPROVAL** from the Office of Business Development. Failure to obtain written approval shall result in the breach of contract and subject to corrective action to be determined by NJ TRANSIT.

Company Name: Gannett Fleming, Inc
Company Address: One Riverfront Plaza, 1037 Raymond Blvd, Ste. 1420
Newark, NJ 07102

Federal Tax ID #:
Company Tel #: 973-368-0762

Authorized Signature: 

Print Name: Michael A. Morgan, PE
Title: Vice President and Regional Office Manager
Prime Contractor's DBE Liaison Officer: Michael A. Morgan, PE
Date Signed: 5/14/2014

First Tier DBE UTILIZATION - FORM A

Project Name: Architectural and Engineering Design Services
Design & Construction Assistance for Repair, Reconstruction, and/or Replacement of
Electrical Substations Super Storm Sandy Recovery Program

NJT Contract No: 13-006A

Assigned DBE Goal %: 25% NJT Procurement Specialist: Renzo Sosa Contract Value (\$): 9,694,730.19

First Tier DBE must perform at least 51% of its subcontract value if subcontracting to a Second -Tier DBE or Non-DBE. Do not count Non-DBE portion toward the goal.

Name, Address and Telephone # of DBE Subcontractor/Subconsultant	Provide <u>Detailed</u> Scope of Work to be Performed (Identify all suppliers)	Dollar Value of Subcontract/Sub-consultant Work (\$) Awarded	Percentage of Subcontract Work (%)
Hampton-Clarke/Veritech Laboratories Fairfield, NJ 07004 (800)426-9992	Geotechnical Engineering - Laboratory Testing	\$66,700.00	0.69 %
			%
			%
			%
	SUB TOTAL PAGE 2	\$66,700.00	0.69 %
For DBE suppliers, show original subcontract value multiplied by 60% (\$2,000*60%=\$1200). For DBE portion of work, subtract Non-DBE portion of work from original subcontract value.	TOTALS	\$ 2,460,278.12	25.39 %

The undersigned will enter into a formal agreement with the DBE(s) listed in this schedule conditioned upon execution of a contract with NJ TRANSIT for the above referenced project. The undersigned understands that removal/replacement of the DBE(s) listed is **NOT PERMISSIBLE** for any reason (pre or post-award), without submitting a written request to the Office of Business Development and receiving **WRITTEN APPROVAL** from the Office of Business Development. Failure to obtain written approval shall result in the breach of contract and subject to corrective action to be determined by NJ TRANSIT.

Company Name: Gannett Fleming, Inc
Company Address: One Riverfront Plaza, 1037 Raymond Blvd, Ste. 1420
Newark, NJ 07102

Federal Tax ID #: _____
Company Tel #: 973-368-0762

Authorized Signature: 

Print Name: Michael A. Morgan, PE
Title: Vice President and Regional Office Manager
Prime Contractor's DBE Liaison Officer: Michael A. Morgan, PE
Date Signed: 5/14/2014

INTENT TO PERFORM AS A 1ST TIER DBE - FORM B

The Bidder/Proposer/Prime is prohibited from completing any portion of this form and directing the DBE to sign a blank form.

DIRECTIONS: DBE(s) listed on the Form A must complete all information on this form.

Gannett Fleming, Inc.

Name of Bidder/Proposer/Prime:

Naik Consulting Group, P.C.

Name of DBE Firm:

Project/Contract Name: Architectural and Engineering Services,
Design and Construction Assistance for Repair, Reconstruction
and/or Replacement of Electrical Substations
Super Storm Sandy Recovery Program

IFB/RFP Contract Number: 13-006A

Does the undersigned DBE (Answer Accordingly):

Intend to perform subcontract work in connection with the above-mentioned project as a Joint Venture? Circle one. (Yes or No)

Intend to subcontract any portion of its scope of work to a DBE(s)?
If yes, DBE Sub-Primes must complete and submit Form AA.

Circle one. (Yes or No)
At what percent? _____ %

Intend to subcontract any portion of its scope of work to a Non-DBE(s)?
If yes, must complete and submit Form AA2.

Circle one. (Yes or No)
At what percent? 23 %

The undersigned will perform the following described work on the above-referenced project: (Provide a detailed description of the type of work you will perform on your subcontract. Attach a copy of quote approved and signed by Bidder (optional)).

SURVEY AND MAPPING SERVICES

Dollar Value of DBE Subcontract: \$ 403,264.24 ** Does not include Construction Support Services of \$6,944.44. Total Contract Value is \$410,094.00

Total Quantity/Units (if applicable): N/A Per Unit Cost (if applicable): \$ N/A

The undersigned based the above scope of work and subcontract value on detailed project specs received from the Bidder contractor named above. Circle one. (Yes or No)

The Prime Contractor projected the following commencement and completion date for such work as follows:

DBE Contract Start Date: 4/2013 DBE Contract Completion Date 5/2018

The undersigned DBE will enter into a formal agreement for the above work with the Prime Contractor conditioned upon execution of a contract with NJ TRANSIT. As a DBE subcontractor, I will cooperate with the certification, compliance and monitoring process set forth by NJ TRANSIT. I attest that I will perform at least 51% of my subcontract with my own workforce for the referenced project.

Richard Goldstein
Signature of 1st Tier DBE

5/12/14
Date

CFO
Title

RICHARD GOLDSTEIN
Print Name

732-777-0030
Telephone #:

Failure to adhere to these instructions or the falsification of any information on this form shall result in breach of contract and subject to the appropriate penalties to be determined by NJ TRANSIT.

NON-DBE SECOND TIER SUBCONTRACTOR UTILIZATION - FORM AA2

Directions: To be completed by any DBE Sub-Prime Contractor for "all" subs including suppliers participating on this contract.

NJ Transit Contract No: 13-006A Date: MAY 9, 2014 DBE Sub-Prime Contract Value: \$ 403,264.24
 DBE Sub-Prime Contractor Name: Naik Consulting Group, P.C. Project Title: NJ Transit Substations Hoboken, MMC & Bayhead

Name, Address and Telephone # of all Second Tier Subcontractor(s)/Subconsultant(s)	FEIN #	Provide Detailed Scope of Work to be Performed	Dollar Amount of Subcontractor/Subconsultant Work (\$) Awarded	Percentage of Subcontractor Work (%)
Taylor Wiseman & Taylor 124 Gaither Drive, Suite 150 Mont Laurel, NJ 08054		Perform Utility Designating and Locating Services (Test Holes) for Substations at Hoboken, MMC & Bayhead	\$ 90,400	23 %
			\$	%
			\$	%
			\$	%
			\$	%
			\$	%
Must provide a detailed scope of work; one-word descriptions are not acceptable.		TOTALS	\$ 90,400	23 %

INTENT TO PERFORM AS A 1ST TIER DBE - FORM B

The Bidder/Proposer/Prime is prohibited from completing any portion of this form and directing the DBE to sign a blank form.

DIRECTIONS: DBE(s) listed on the Form A must complete all information on this form.

Gannett Fleming, Inc.

Name of Bidder/Proposer/Prime:

SA Engineering, LLC

Name of DBE Firm:

Project/Contract Name: Architectural and Engineering Services,
Design and Construction Assistance for Repair, Reconstruction
and/or Replacement of Electrical Substations
Super Storm Sandy Recovery Program

IFB/RFP Contract Number: 13-006A

Does the undersigned DBE (Answer Accordingly):

Intend to perform subcontract work in connection with the above-mentioned project as a Joint Venture? Circle one. (Yes or No)

Intend to subcontract any portion of its scope of work to a DBE(s)?

Circle one. (Yes or No)

If yes, DBE Sub-Primes must complete and submit Form AA.

At what percent? _____ %

Intend to subcontract any portion of its scope of work to a Non-DBE(s)?

Circle one. (Yes or No)

If yes, must complete and submit Form AA2.

At what percent? 50 %

The undersigned will perform the following described work on the above-referenced project: (Provide a detailed description of the type of work you will perform on your subcontract. Attach a copy of quote approved and signed by Bidder (optional)).

Prepare boring contract, solicit and award boring contract to lowest bidder, layout boring location in the field, perform boring inspection, type boring logs using software gINT, coordinate with laboratory testing

Dollar Value of DBE Subcontract: \$ 411,593.14

Total Quantity/Units (if applicable): N/A Per Unit Cost (if applicable): \$ N/A

The undersigned based the above scope of work and subcontract value on detailed project specs received from the Bidder contractor named above. Circle one. (Yes or No)

The Prime Contractor projected the following commencement and completion date for such work as follows:

DBE Contract Start Date: 4/2013 DBE Contract Completion Date 5/2015

The undersigned DBE will enter into a formal agreement for the above work with the Prime Contractor conditioned upon execution of a contract with NJ TRANSIT. As a DBE subcontractor, I will cooperate with the certification, compliance and monitoring process set forth by NJ TRANSIT. I attest that I will perform at least 51% of my subcontract with my own workforce for the referenced project.

Syed Ashraf
Signature of 1st Tier DBE

5/13/14
Date

Principal
Title

Syed Ashraf
Print Name

732-873-1166
Telephone #:

Failure to adhere to these instructions or the falsification of any information on this form shall result in breach of contract and subject to the appropriate penalties to be determined by NJ TRANSIT.

NON-DBE SECOND TIER SUBCONTRACTOR UTILIZATION - FORM AA2

Directions: To be completed by any DBE Sub-Prime Contractor for "all" subs including suppliers participating on this contract.

NJ Transit Contract No: 13-006ADate: 5/13/14DBE Sub-Prime Contract Value: \$ 205,796.57DBE Sub-Prime Contractor Name: TRC Engineers, Inc.Project Title: NJT Substation, Hurricane Sandy Substation Recovery Program

Name, Address and Telephone # of all Second Tier Subcontractor(s)/Subconsultant(s)	FEIN #	Provide Detailed Scope of Work to be Performed	Dollar Amount of Subcontractor/Subconsultant Work (\$) Awarded	Percentage of Subcontractor Work (%)
TRC Engineers, Inc. 16000 Commerce Parkway, Suite B Mt. Laurel, NJ 08054	13-0408630	Subsurface Boring, Sampling & Testing and Laboratory Testing	\$ 205,796.57	50 %
			\$	%
			\$	%
			\$	%
			\$	%
Must provide a detailed scope of work; one-word descriptions are not acceptable.		TOTALS	\$ 205,796.57	50 %

INTENT TO PERFORM AS A 1ST TIER DBE - FORM B

The Bidder/Proposer/Prime is prohibited from completing any portion of this form and directing the DBE to sign a blank form.

DIRECTIONS: DBE(s) listed on the Form A must complete all information on this form.

Gannett Fleming, Inc.

Name of Bidder/Proposer/Prime:

SJH Engineering, P.C.

Name of DBE Firm:

Project/Contract Name: Architectural and Engineering Services,
Design and Construction Assistance for Repair, Reconstruction
and/or Replacement of Electrical Substations
Super Storm Sandy Recovery Program

IFB/RFP Contract Number: 13-006A

Does the undersigned DBE (Answer Accordingly):

Intend to perform subcontract work in connection with the above-mentioned project as a Joint Venture? Circle one. (Yes or No)

Intend to subcontract any portion of its scope of work to a DBE(s)?

Circle one. (Yes or No)

If yes, DBE Sub-Primes must complete and submit Form AA.

At what percent? _____ %

Intend to subcontract any portion of its scope of work to a Non-DBE(s)?

Circle one. (Yes or No)

If yes, must complete and submit Form AA2.

At what percent? _____ %

The undersigned will perform the following described work on the above-referenced project: (Provide a detailed description of the type of work you will perform on your subcontract. Attach a copy of quote approved and signed by Bidder (optional)).

Architectural, Engineering Design Services

Dollar Value of DBE Subcontract: \$ 748,226.92

Total Quantity/Units (if applicable): N/A Per Unit Cost (if applicable): \$ N/A

The undersigned based the above scope of work and subcontract value on detailed project specs received from the Bidder contractor named above. Circle one. (Yes or No)

The Prime Contractor projected the following commencement and completion date for such work as follows:

DBE Contract Start Date: 4/2013 DBE Contract Completion Date 5/2018

The undersigned DBE will enter into a formal agreement for the above work with the Prime Contractor conditioned upon execution of a contract with NJ TRANSIT. As a DBE subcontractor, I will cooperate with the certification, compliance and monitoring process set forth by NJ TRANSIT. I attest that I will perform at least 51% of my subcontract with my own workforce for the referenced project.

S. Jayakumar 5/9/14
Signature of 1st Tier DBE Date

Principal
Title

S. Jayakumar
Print Name

(732) 329 -0500
Telephone #:

Failure to adhere to these instructions or the falsification of any information on this form shall result in breach of contract and subject to the appropriate penalties to be determined by NJ TRANSIT.

INTENT TO PERFORM AS A 1ST TIER DBE - FORM B

The Bidder/Proposer/Prime is prohibited from completing any portion of this form and directing the DBE to sign a blank form.

DIRECTIONS: DBE(s) listed on the Form A must complete all information on this form.

Gannett Fleming, Inc.

Name of Bidder/Proposer/Prime:

JCMS, Inc.

Name of DBE Firm:

Project/Contract Name: Architectural and Engineering Services,
Design and Construction Assistance for Repair, Reconstruction
and/or Replacement of Electrical Substations Super Storm Sandy Recovery Program

IFB/RFP Contract Number: 13-006A

Does the undersigned DBE (Answer Accordingly):

Intend to perform subcontract work in connection with the above-mentioned project as a Joint Venture? Circle one. (Yes or No)

Intend to subcontract any portion of its scope of work to a DBE(s)?
If yes, DBE Sub-Primes must complete and submit Form AA.

Circle one. (Yes or No)
At what percent? _____ %

Intend to subcontract any portion of its scope of work to a Non-DBE(s)?
If yes, must complete and submit Form AA2.

Circle one. (Yes or No)
At what percent? _____ %

The undersigned will perform the following described work on the above-referenced project: (Provide a detailed description of the type of work you will perform on your subcontract. Attach a copy of quote approved and signed by Bidder (optional)).

Estimating and Scheduling Services

Dollar Value of DBE Subcontract: \$ 604,984.86

Total Quantity/Units (if applicable): N/A Per Unit Cost (if applicable): \$ N/A

The undersigned based the above scope of work and subcontract value on detailed project specs received from the Bidder contractor named above. Circle one. (Yes or No)

The Prime Contractor projected the following commencement and completion date for such work as follows:

DBE Contract Start Date: 4/2013 DBE Contract Completion Date 5/2015

The undersigned DBE will enter into a formal agreement for the above work with the Prime Contractor conditioned upon execution of a contract with NJ TRANSIT. As a DBE subcontractor, I will cooperate with the certification, compliance and monitoring process set forth by NJ TRANSIT. I attest that I will perform at least 51% of my subcontract with my own workforce for the referenced project.

Jayanta Dutta
Signature of 1st Tier DBE Date 05/09/2014

Executive Vice President
Title

Jayanta Dutta
Print Name

609-631-0700
Telephone #:

Failure to adhere to these instructions or the falsification of any information on this form shall result in breach of contract and subject to the appropriate penalties to be determined by NJ TRANSIT.

INTENT TO PERFORM AS A 1ST TIER DBE – FORM B

The Bidder/Proposer/Prime is prohibited from completing any portion of this form and directing the DBE to sign a blank form.

DIRECTIONS: DBE(s) listed on the Form A must complete all information on this form.

Gannet Fleming, Inc.

Name of Bidder/Proposer/Prime:

Hampton-Clarke, Inc.

Name of DBE Firm:

Project/Contract Name: Architectural & Engineering Services,
Design & Construction Assistance for Repair,
Reconstruction &/or Replacement of Electrical
Substations; Super Storm Sandy Recovery Program

IFB/RFP Contract Number: 13-006A

Does the undersigned DBE (Answer Accordingly):

Intend to perform subcontract work in connection with the above-mentioned project as a Joint Venture? Circle one (Yes or

No)

Intend to subcontract any portion of its scope of work to a DBE(s)? Circle one. (Yes or No)
If yes, DBE Sub-Primes must complete and submit Form AA.

At what percent? _____ %

Intend to subcontract any portion of its scope of work to a Non-DBE(s)?
If yes, must complete and submit Form AA2

Circle one. (Yes or No)
At what percent? _____ %

The undersigned will perform the following described work on the above-referenced project: (Provide a detailed description of the type of work you will perform on your subcontract. Attach a copy of quote approved and signed by Bidder (optional)).

Environmental laboratory testing and analyses

Dollar Value of DBE Subcontract: \$66,700.00 (Estimated)

Total Quantity/Units (if applicable): N/A Per Unit Cost (if applicable): \$ N/A

The undersigned based the above scope of work and subcontract value on detailed project specs received from the Bidder contractor named above. Circle one. (Yes or No)

The Prime Contractor projected the following commencement and completion date for such work as follows:

DBE Contract Start Date: 04/2013 estimated

DBE Contract Completion Date: 05/2015 (estimated)

The undersigned DBE will enter into a formal agreement for the above work with the Prime Contractor conditioned upon execution of a contract with NJ TRANSIT. As a DBE subcontractor, I will cooperate with the certification, compliance and monitoring process set forth by NJ TRANSIT. I attest that I will perform at least 51% of my subcontract with my own workforce for the referenced project.

Rose DiMeo
Signature of 1st Tier DBE

05/14/2014
Date

President
Title

Rose DiMeo
Print Name

973-598-3890
Telephone #

Failure to adhere to these instructions or the falsification of any information on this form shall result in breach of contract and subject to the appropriate penalties to be determined by NJ TRANSIT.

INTENT TO PERFORM AS A 1ST TIER DBE - FORM B

The Bidder/Proposer/Prime is prohibited from completing any portion of this form and directing the DBE to sign a blank form.

DIRECTIONS: DBE(s) listed on the Form A must complete all information on this form.

Gannett Fleming, Inc.

Name of Bidder/Proposer/Prime:

Sowinski Sullivan Architects, P.C.

Name of DBE Firm:

Project/Contract Name: Architectural and Engineering Services,
Design and Construction Assistance for Repair, Reconstruction
and/or Replacement of Electrical Substations
Super Storm Sandy Recovery Program

IFB/RFP Contract Number: 13-006A

Does the undersigned DBE (Answer Accordingly):

Intend to perform subcontract work in connection with the above-mentioned project as a Joint Venture? Circle one. (Yes or No)

Intend to subcontract any portion of its scope of work to a DBE(s)?
If yes, DBE Sub-Primes must complete and submit Form AA.

Circle one. (Yes or No)
At what percent? _____ %

Intend to subcontract any portion of its scope of work to a Non-DBE(s)?
If yes, must complete and submit Form AA2.

Circle one. (Yes or No)
At what percent? _____ %

The undersigned will perform the following described work on the above-referenced project: *(Provide a detailed description of the type of work you will perform on your subcontract. Attach a copy of quote approved and signed by Bidder (optional)).*

ARCHITECTURAL SUPPORT

Dollar Value of DBE Subcontract: \$ 225,508.96

Total Quantity/Units (if applicable): N/A Per Unit Cost (if applicable): \$ N/A

The undersigned based the above scope of work and subcontract value on detailed project specs received from the Bidder contractor named above. Circle one. (Yes or No)

The Prime Contractor projected the following commencement and completion date for such work as follows:

DBE Contract Start Date: 4/2013 DBE Contract Completion Date 5/2018

The undersigned DBE will enter into a formal agreement for the above work with the Prime Contractor conditioned upon execution of a contract with NJ TRANSIT. As a DBE subcontractor, I will cooperate with the certification, compliance and monitoring process set forth by NJ TRANSIT. I attest that I will perform at least 51% of my subcontract with my own workforce for the referenced project.

Signature of 1st Tier DBE _____
Date May 12, 2014

President _____
Title

Suzanne Sowinski
Print Name

973-726-3260 ext. 124
Telephone #:

Failure to adhere to these instructions or the falsification of any information on this form shall result in breach of contract and subject to the appropriate penalties to be determined by NJ TRANSIT.



ONE PENN PLAZA EAST
NEWARK, NJ 07105-2246

HOW TO CONTACT ACCOUNTS PAYABLE
VOICE: 973-491-8399 FAX: 973-491-4621
E-MAIL: APHELP@NJTRANSIT.COM

PURCHASE ORDER INSTRUCTIONS

- ALL PACKAGES MUST BE ACCOMPANIED BY A PACKING SLIP.
- REFERENCE PURCHASE ORDER NUMBER AND NJT CATALOG NUMBER ON ALL INVOICES, PACKING SLIPS AND BILLS OF LADING.
- VENDOR MUST SUPPLY ORIGINAL INVOICE AND ANY FREIGHT BILLS IN EXCESS OF \$100 TO:
NJ TRANSIT ACCOUNTS PAYABLE
P.O. BOX 5519
NEWARK, NJ 07105-5519
- VENDOR MUST ALSO SUPPLY COPY OF INVOICE TO CONSIGNEE.
- VENDOR: IF PRICE ON PO DOES NOT MATCH, DO NOT SHIP MATERIAL, CONTACT BUYER.

PURCHASE ORDER & RELEASE NO		REV NO
B-51327-001		
VENDOR NO	ISSUE DATE	
70093165	09/06/15	
DATE CHANGED	PAGE NO	
07/15/14	3	
PURCHASING FAX: 973-491-7547		

VENDOR: GANNETT FLEMING INC.
D/B/A GANNETT FLEMING TRANSIT
AND RAIL SYSTEMS
1037 RAYMOND BLVD., STE. 1420
NEWARK, NJ 071025427

SHIP TO: SEE ADDRESS BELOW

BUYER: Renzo Sosa 973-491-7612 CPRCRS@NJTRANSIT.COM
CHANGE ORDER - DO NOT DUPLICATE

NJ TRANSIT IS EXEMPT FROM NJ SALES & USE
TAXES PURSUANT TO SECT 9(A)(1), OF
NJSA 54:32B-1 ET SEQ.
FEDERAL T.I.N.: 22-228-1352
TAX EXEMPT #'S 21-60000928 (NJ)
22-75-0050K (FEDERAL)

TE	NET 30 D	FREIGHT TERMS	NOT APPLICABLE	FOB	ARCHITECTURE/ENGINEERING	SHIP VIA	TASK ORDER NO. 1 SSRP	BUYER NO	095
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NJ TRANSIT ETHICS CODE: NJ TRANSIT IS AN INSTRUMENTALITY OF THE STATE OF NEW JERSEY AND ITS EMPLOYEES AND OFFICERS AND MEMBERS OF THE NJ TRANSIT BOARD OF DIRECTORS ARE PUBLIC SERVANTS AND ARE GOVERNED BY CIVIL AND CRIMINAL LAWS THAT CONTROL HOW TRANSIT AND ITS PERSONNEL CONDUCT BUSINESS WITH VENDORS, CONTRACTORS AND CONSULTANTS. THESE PROVISIONS INCLUDE THE CONFLICTS OF INTEREST LAW, NJSA 52:13D-12; THE GIFTS TO PUBLIC SERVANTS LAW, NJSA 2C:27-6; AND THE COMPENSATION FOR PAST OFFICIAL BEHAVIOR LAW, NJSA 2C:27-4. THESE PROVISIONS CONTAIN UNEQUIVOCAL AND STRINGENT RESTRICTIONS RELATING TO GIFTS AND GRATUITIES BY ANY NJ TRANSIT EMPLOYEE OR ANY PERSON, COMPANY OR ENTITY DOING BUSINESS WITH OR WANTING TO DO BUSINESS WITH NJ TRANSIT. THE TERM "GIFT" INCLUDES ALL THINGS AND OBJECTS, TANGIBLE OR INTANGIBLE INCLUDING SERVICES, GRATUITIES, MEALS, ENTERTAINMENT, EVENT TICKETS, MEMBERSHIP CLUB ACCESS, TRAVEL COSTS AND LODGING. ALSO, NJ TRANSIT'S CODE OF ETHICS AND CODE OF CONTRACTORS AND CONSULTANTS PROHIBITS OFFERING ANY GIFTS TO ANY NJ TRANSIT EMPLOYEE. DO NOT, UNDER ANY CIRCUMSTANCES, TEMPT OR PUT AN NJ TRANSIT EMPLOYEE IN THE AWKWARD POSITION OF HAVING TO REFUSE A GIFT OR RETURN A GIFT NO MATTER HOW WELL INTENTIONED OR INNOCUOUS THE GIFT MAY BE.

LINE ITEM	QUANTITY	UNIT OF MEASURE	NJT CATALOG NUMBER	DESCRIPTION	UNIT PRICE	AMOUNT
6	1,237,625.13	\$	88	GL#8843 99950304 NXD2000 HENDERSON STREET SUBSTATION DESIGN OF REPAIRS AND RECONSTRUCTION MR#ERO7 8799 PROM DATE: 07/31/15 GL#8843 99950304 NXF2000	1.0000	1,237,625.1300
7	412,541.71	\$	88	DEPOT SUBSTATION DESIGN OF REPAIRS AND RECONSTRUCTION MR#ERO7 8799 PROM DATE: 07/31/15 GL#8843 99950304 PBA2000	1.0000	412,541.7100
ORIG AMT	400,000.00		PREV CHANGE	9,294,730.19 THIS CHANGE	0.00	** TOTAL: \$9,694,730.19

☐ WHEN BOX IS CHECKED, THE TERMS AND CONDITIONS OF THE ATTACHED CONTRACT
REPLACE THOSE SHOWN ON THE REVERSE SIDE OF THIS PURCHASE ORDER.

AUTHORIZED NJ TRANSIT SIGNATURE/DATE



ONE PENN PLAZA EAST
NEWARK, NJ 07105-2246

HOW TO CONTACT ACCOUNTS PAYABLE
VOICE: 973-491-8399 FAX: 973-491-4621
E-MAIL: APHELP@NJTRANSIT.COM

PURCHASE ORDER INSTRUCTIONS

- ALL PACKAGES MUST BE ACCOMPANIED BY A PACKING SLIP.
- REFERENCE PURCHASE ORDER NUMBER AND NJT CATALOG NUMBER ON ALL INVOICES, PACKING SLIPS AND BILLS OF LADING.
- VENDOR MUST SUPPLY ORIGINAL INVOICE AND ANY FREIGHT BILLS IN EXCESS OF \$100 TO:
NJ TRANSIT ACCOUNTS PAYABLE
P.O. BOX 5519
NEWARK, NJ 07105-5519
- VENDOR MUST ALSO SUPPLY COPY OF INVOICE TO CONSIGNEE.
- VENDOR: IF PRICE ON PO DOES NOT MATCH, DO NOT SHIP MATERIAL, CONTACT BUYER.

PURCHASE ORDER & RELEASE NO		REV NO
B-51327-001		5
VENDOR NO	ISSUE DATE	
70093165	09/06/15	
DATE CHANGED	PAGE NO	
07/15/14	1	
PURCHASING FAX: 973-491-7547		

VENDOR: GANNETT FLEMING INC.
D/B/A GANNETT FLEMING TRANSIT
AND RAIL SYSTEMS
1037 RAYMOND BLVD., STE. 1420
NEWARK, NJ 071025427

SHIP TO: SEE ADDRESS BELOW

BUYER: Renzo Sosa 973-491-7612 CPRCRS@NJTRANSIT.COM
CHANGE ORDER - DO NOT DUPLICATE

NJ TRANSIT IS EXEMPT FROM NJ SALES & USE
TAXES PURSUANT TO SECT 9(A)(1), OF
NJSA 54:32B-1 ET SEQ.
FEDERAL T.I.N.: 22-228-1352
TAX EXEMPT #'S 21-60000928 (NJ)
22-75-0050K (FEDERAL)

TERMS	FREIGHT TERMS	FOB	SHIP VIA	BUYER NO
NET 30 D	NOT APPLICABLE	ARCHITECTURE/ENGINEERING	TASK ORDER NO. 1 SSRP	095

NJ TRANSIT ETHICS CODE: NJ TRANSIT IS AN INSTRUMENTALITY OF THE STATE OF NEW JERSEY AND ITS EMPLOYEES AND OFFICERS AND MEMBERS OF THE NJ TRANSIT BOARD OF DIRECTORS ARE PUBLIC SERVANTS AND ARE GOVERNED BY CIVIL AND CRIMINAL LAWS THAT CONTROL HOW TRANSIT AND ITS PERSONNEL CONDUCT BUSINESS WITH VENDORS, CONTRACTORS AND CONSULTANTS. THESE PROVISIONS INCLUDE THE CONFLICTS OF INTEREST LAW, NJSA 52:13D-12; THE GIFTS TO PUBLIC SERVANTS LAW, NJSA 2C:27-6; AND THE COMPENSATION FOR PAST OFFICIAL BEHAVIOR LAW, NJSA 2C:27-4. THESE PROVISIONS CONTAIN UNEQUIVOCAL AND STRINGENT RESTRICTIONS RELATING TO GIFTS AND GRATUITIES BY ANY NJ TRANSIT EMPLOYEE OR ANY PERSON, COMPANY OR ENTITY DOING BUSINESS WITH OR WANTING TO DO BUSINESS WITH NJ TRANSIT. THE TERM "GIFT" INCLUDES ALL THINGS AND OBJECTS, TANGIBLE OR INTANGIBLE INCLUDING SERVICES, GRATUITIES, MEALS, ENTERTAINMENT, EVENT TICKETS, MEMBERSHIP CLUB ACCESS, TRAVEL COSTS AND LODGING. ALSO, NJ TRANSIT'S CODE OF ETHICS AND CODE OF CONTRACTORS AND CONSULTANTS FROM OFFERING ANY GIFTS TO ANY NJ TRANSIT EMPLOYEE. DO NOT, UNDER ANY CIRCUMSTANCES, TEMPT OR PUT AN NJ TRANSIT EMPLOYEE IN THE AWKWARD POSITION OF HAVING TO REFUSE A GIFT OR RETURN A GIFT NO MATTER HOW WELL INTENTIONED OR INNOCUOUS THE GIFT MAY BE.

LINE ITEM	QUANTITY	UNIT OF MEASURE	NJT CATALOG NUMBER	DESCRIPTION	UNIT PRICE	AMOUNT
				CONTRACT/BID NO: 13-006A		
	4,379,130.25	\$	88	TASK ORDER NO. 1 SSRP ARE TO BE PROVIDED AS PER NJ TRANSIT'S SCOPE OF WORK AND GANNETT FLEMING'S COST PROPOSAL DATED JANUARY 8, 2014. THE TOTAL COST OF TASK ORDER ASSIGNMENT NO. 1 SSRP IS NOT TO EXCEED \$9,694,730.19.	1.0000	4,379,130.2500
				MR#ER07 8799 PROM DATE: 07/31/15 GL#8843 99950304 NWH2000		
				MASON SUBSTATION DESIGN OF REPAIRS AND RECONSTRUCTION		
2	1,237,625.13	\$	88	MR#ER07 8799 PROM DATE: 07/31/15 GL#8843 99950304 NWF2000	1.0000	1,237,625.1300
CONTINUE						

☐ WHEN BOX IS CHECKED, THE TERMS AND CONDITIONS OF THE ATTACHED CONTRACT REPLACE THOSE SHOWN ON THE REVERSE SIDE OF THIS PURCHASE ORDER.

AUTHORIZED NJ TRANSIT SIGNATURE/DATE

See Page 3



ONE PENN PLAZA EAST
NEWARK, NJ 07105-2246

HOW TO CONTACT ACCOUNTS PAYABLE
VOICE: 973-491-8399 FAX: 973-491-4621
E-MAIL: APHELP@NJTRANSIT.COM

PURCHASE ORDER INSTRUCTIONS

- ALL PACKAGES MUST BE ACCOMPANIED BY A PACKING SLIP.
- REFERENCE PURCHASE ORDER NUMBER AND NJT CATALOG NUMBER ON ALL INVOICES, PACKING SLIPS AND BILLS OF LADING.
- VENDOR MUST SUPPLY ORIGINAL INVOICE AND ANY FREIGHT BILLS IN EXCESS OF \$100 TO:
NJ TRANSIT ACCOUNTS PAYABLE
P.O. BOX 5519
NEWARK, NJ 07105-5519
- VENDOR MUST ALSO SUPPLY COPY OF INVOICE TO CONSIGNEE.
- VENDOR: IF PRICE ON PO DOES NOT MATCH, DO NOT SHIP MATERIAL, CONTACT BUYER.

PURCHASE ORDER & RELEASE NO		REV NO
B-51327-001		5
VENDOR NO	ISSUE DATE	
70093165	09/06/13	
DATE CHANGED	PAGE NO	
07/15/14	2	
PURCHASING FAX: 973-491-7547		

VENDOR:
GANNETT FLEMING INC.
D/B/A GANNETT FLEMING TRANSIT
AND RAIL SYSTEMS
1037 RAYMOND BLVD., STE. 1420
NEWARK, NJ 071025427

SHIP TO: SEE ADDRESS BELOW

BUYER: Renzo Sosa 973-491-7612 CPRCRRS@NJTRANSIT.COM
CHANGE ORDER - DO NOT DUPLICATE

NJ TRANSIT IS EXEMPT FROM NJ SALES & USE
TAXES PURSUANT TO SECT 9(A)(1), OF
NJSA 54:32B-1 ET SEQ.
FEDERAL T.I.N.: 22-228-1352
TAX EXEMPT #'S 21-60000928 (NJ)
22-75-0050K (FEDERAL)

NET 30 D	FREIGHT TERMS NOT APPLICABLE	FOB ARCHITECTURE/ENGINEERING	SHIP VIA TASK ORDER NO. 1 SSRP	BUYER NO 095
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NJ TRANSIT ETHICS CODE: NJ TRANSIT IS AN INSTRUMENTALITY OF THE STATE OF NEW JERSEY AND ITS EMPLOYEES AND OFFICERS AND MEMBERS OF THE NJ TRANSIT BOARD OF DIRECTORS ARE PUBLIC SERVANTS AND ARE GOVERNED BY CIVIL AND CRIMINAL LAWS THAT CONTROL HOW NJ TRANSIT AND ITS PERSONNEL CONDUCT BUSINESS WITH VENDORS, CONTRACTORS AND CONSULTANTS. THESE PROVISIONS INCLUDE THE CONFLICTS OF INTEREST LAW, NJSA 52:13D-12; THE GIFTS TO PUBLIC SERVANTS LAW, NJSA 2C:27-6; AND THE COMPENSATION FOR PAST OFFICIAL BEHAVIOR LAW, NJSA 2C:27-4. THESE PROVISIONS CONTAIN UNEQUIVOCAL AND STRINGENT RESTRICTIONS RELATING TO GIFTS AND GRATUITIES BY ANY NJ TRANSIT EMPLOYEE OR ANY PERSON, COMPANY OR ENTITY DOING BUSINESS WITH OR WANTING TO DO BUSINESS WITH NJ TRANSIT. THE TERM "GIFT" INCLUDES ALL THINGS AND OBJECTS, TANGIBLE OR INTANGIBLE INCLUDING SERVICES, GRATUITIES, MEALS, ENTERTAINMENT, EVENT TICKETS, MEMBERSHIP CLUB ACCESS, TRAVEL COSTS AND LODGING. ALSO, NJ TRANSIT'S CODE OF ETHICS AND CODE OF CONTRACTORS AND CONSULTANTS FROM OFFERING ANY GIFTS TO ANY NJ TRANSIT EMPLOYEE. DO NOT, UNDER ANY CIRCUMSTANCES, TEMPT OR PUT AN NJ TRANSIT EMPLOYEE IN THE AWKWARD POSITION OF HAVING TO REFUSE A GIFT OR RETURN A GIFT NO MATTER HOW WELL INTENTIONED OR INNOCUOUS THE GIFT MAY BE.

LINE ITEM	QUANTITY	UNIT OF MEASURE	NJT CATALOG NUMBER	DESCRIPTION	UNIT PRICE	AMOUNT
3	158,828.56	\$	88	MMC BLDG 9 SUBSTATION DESIGN OF REPAIRS AND RECONSTRUCTION MR#ERO7 8799 PROM DATE: 07/31/15 GL#8843 99950304 NXK2000	1.0000	158,828.5600
4	1,237,625.13	\$	88	KEARNY JUNCTION RTU DESIGN OF REPAIRS AND RECONSTRUCTION MR#ERO7 8799 PROM DATE: 07/31/15 GL#8843 99950304 NWX2000	1.0000	1,237,625.1300
5	1,031,354.28	\$	88	BAYHEAD YARD SUBSTATION DESIGN OF REPAIRS AND RECONSTRUCTION MR#ERO7 8799 PROM DATE: 07/31/15	1.0000	1,031,354.2800
CONTINUE						

☐ WHEN BOX IS CHECKED, THE TERMS AND CONDITIONS OF THE ATTACHED CONTRACT
REPLACE THOSE SHOWN ON THE REVERSE SIDE OF THIS PURCHASE ORDER.

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See page 3

PROCUREMENT DEPT. COPY