



NEW YORK CONVENTION CENTER DEVELOPMENT CORPORATION

MEETING OF THE DIRECTORS

To Be Held at the
Jacob K. Javits Convention Center
655 West 34th Street – Board Room
New York, New York 10001

Wednesday
November 14, 2018 – 1:00 p.m.

AGENDA

I. CORPORATE ACTION

- A. Approval of the Minutes of the April 5, 2018 Meeting of the Directors
- B. New York Convention Center Development Corporation – Jacob J. Javits Convention Center – Approval of Capital Improvement Projects, and Authorization to Re-Allocate Funding, Under the New York Convention Center Renovation Funding Agreement; and Authorization to Take Related Actions

II. FOR INFORMATION

- A. President’s Report – Oral Report
- B. Contracts Over One-Year – Oral Report

III. FOR CONSIDERATION

- A. New York Convention Center Development Corporation - Jacob K. Javits Convention Center Expansion and Renovation Civic and Land Use Improvement Project - Authorization to Amend a Contract with VJ Associates, Inc. for Construction Cost Estimating Services to Add Value and Extend Term
- B. New York Convention Center Development Corporation - Jacob K. Javits Convention Center Expansion and Renovation Civic and Land Use Improvement Project - Authorization for Third Amendment to Contract for Inspection Services with Tectonic Engineering and Surveying Consultants PC; Authorization to Take Related Actions

Item I. A.

NEW YORK CONVENTION CENTER DEVELOPMENT CORPORATION

Meeting of the Directors
Javits Center
655 West 34th Street
Board Room
New York, New York 10001

April 5, 2018

MINUTES

In Attendance

Directors: Henry Silverman – Chairman
Michael G. Carey
David Emil
Bryan X. Grimaldi
Vincent Iannelli
George F. Little
George Tsunis

NYCCDC Officers: Elizabeth R. Fine, General Counsel
Elaine A. Kloss, Chief Financial Officer
Robin Stout, President

Attending for ESD: Paul Connet – Empire Fellow
London Cruz – Legal Assistant
Edward Espejo – Senior Director, Finance
Jolyon Handler – VP - Contract Administration
Stephen Konopko – Internal Audit
Eugene Kwiatkowski – Senior Director of Budgeting
Kathleen Mize – Deputy CFO and Controller
Elvira Molinari – Financial Project Manager
Francisco Polanco – Director, Community Relations
Marion Phillips – SVP Community Relations
Regina Stephens – Paralegal/Special Projects Assistant
Goldie Weixel – Senior Counsel

Also Present: Timothy Gaburungyi – Javits IT
Paul Ryan – Managing Director, K2 Intelligence; Integrity Monitor
Alan Steel – President, Convention Center Operating Corporation
David Thurm – EVP, Lehrer; Project Manager

The meeting of the New York Convention Center Development Corporation (“CCDC”) was called to order at approximately 1:00 p.m. It was noted for the record that the meeting was

being webcast and that the Directors had received all written material in advance of the meeting. Chairman Silverman noted CCDC's policy which welcomes public comments on the items on the current Agenda.

Chairman Silverman then asked Mr. Stout to present the President's Report.

Mr. Stout began with a construction update. A map of the Lendlease Turner construction site was presented shows the site of the truck facility to be constructed and the site of the remainder of the design-build expansion. After describing the site orientation and parcels, Mr. Stout reminded the Directors that the truck facility will be a concrete building and the expansion itself will be a steel building.

Separately, Mr. Stout noted, the three-story \$95M transformer building being constructed by Tishman Construction will provide power to existing and expanded Javits. He further noted the top two floors of the transformer building contain switchgear equipment and that when those two floors are fully energized, the existing switchgear equipment at grade will be demolished and emergency generators, a first for Javits, will be placed in that first-floor space. He explained that inside the transformer building, the fireproofing and masonry walls are virtually done, and switchgear and cabling have been loaded into the building, the load-ins being accomplished during weekends to accommodate closures of the West Side Highway. He advised that Tishman in coordination with CCDC's Project Manager David Thurm is also working to conclude erection of the exterior façade panels, and that once Tishman the exterior is completed Tishman will be out of the way of the Lendlease Turner expansion work. He further explained

that once the building is enclosed, it will take another approximately 12 to 15 months to conclude the wiring necessary to energize the building, at which point demolition of the existing electrical equipment will begin and then construction and completion of the generators, all anticipated to be completed sometime in 2019, well before expansion conclusion in 2021.

Mr. Stout continued that in connection with the Lendlease Turner expansion, work is progressing from west to east, first with excavation, then dropping of caissons, then slabs, and then the erection of steel and the pouring of concrete. He noted that most of the excavation, which began in October, is already done and a total of 187 caissons will be distributed throughout the site as anchors for both the steel and the concrete, with approximately half the caissons are already done. He advised that pouring of slabs has begun and will continue for the next couple of months.

Chairman Silverman asked if any construction is below grade. Mr. Stout responded that final plans did not call for below grade space. David Thurm, Project Manager, noted however that large rainwater retention tanks for irrigation will be below grade.

Mr. Stout continued by noting that the relocation of utilities from the former 39th Street roadbed is being finalized, including Con Ed lines, sewer lines, and cable lines.

Mr. Stout then indicated that the next part of construction, starting this summer or early fall, will be the erection of steel for the expansion building, to be followed by the commencement of the pouring of concrete for the truck facility. He concluded his construction update by noting

that both the expansion and the truck garage will rise vertically across the site, not horizontally, floor by floor, meaning that in mid-construction both the expansion and the truck garage will be topped out to the west while construction continues to rise to the east.

Chairman Silverman asked whether the facing of floors would be concrete or some other material. Mr. Thurm responded that the expansion floor concrete pads would be put down on the steel deck and that the truck garage floors also will be concrete.

Alan Steel, President of the Convention Center Operating Corporation, noted that construction is taking place without interruption to existing Javits business. Mr. Stout noted that loading dock access to existing Javits, which travels directly through the transformer building, has remained operational throughout construction. Mr. Thurm noted that the various teams have been coordinating to avoid impact on existing Javits.

Mr. Stout continued his President's Report by noting that the Project remains on budget. He circulated an overview of the budget, comparing January 2017 with March 2018 and noted Project monetary sources of approximately \$1.5 billion remain the same. He explained the January 2017 budget simply delineated the use of funds into the \$1.325 billion Lendlease Turner design-build contract and an "other" category, since at that time many other contracts had not been signed and the March 2018 budget further delineates the "other" category into the \$95 million Transformer Building contract with Tishman; capital improvements for existing Javits of \$18.5 million; with remaining funds being available for consultants, such as the project manager

and the integrity monitor, and other CCDC project costs, all of which remains encompassed within the \$1.5 billion sources.

Mr. Stout then discussed how CCDC receives funds to have on hand to make contractually required payments. He noted the \$1 billion dollar New York State appropriation remains with Albany but is accessed by CCDC via quarterly advance draws based on projected expenses, a process which has been working fine to date. He advised that CCDC is using the entirety of the appropriation to fund expansion work, inclusive of the truck garage and that to date approximately \$120 million has been paid to Lendlease Turner for the expansion work. Separately, he advised that, the balance of the approximately \$500 million of bond proceeds also remains available via Empire State Development accounts for payment of Project expenses as necessary.

Chairman Silverman asked whether appropriation or bond funds get drawn first. Mr. Stout responded that the appropriation is being drawn upon for Lendlease Turner expansion work and that all other costs are currently being paid by bond proceeds.

Mr. Stout continued by describing the process for review of invoices received by CCDC. He explained that invoices are reviewed by CCDC, ESD accounting and legal staff, CCDC's Project Manager and Integrity Monitor, and relevant consultants as necessary. Further, he stated the team meets twice monthly to stay current on invoice review and payment. He explained the Lendlease Turner expansion invoice reviews begin with a monthly pencil requisition, conducted shortly after the close of each month. He advised that ESD and CCDC team members meet at

the site to match physical construction reality on the ground to the payment being sought and that Lendlease Turner then submits a final requisition for review by ESD and CCDC team members.

Chairman Silverman asked about Architect's Certificates; Mr. Thurm responded that the Project's review methodology involves a physical check in much greater detail than an Architect's Certificate. Chairmen Silverman then asked about the frequency of title reports as a check on lien filings. Mr. Stout responded that technically liens do not attach to State property, but indicated that periodic title reports can be obtained. Director Emil asked about retention, and Mr. Thurm noted that 5% is retained against LLT bills, to be dispersed according to formulas set forth in the Design-Build contract.

Mr. Stout reminded the Directors that, unlike the expansion project, the transformer project is not design-build, and therefore for that portion of the work CCDC retains an architect, JIIA, which assists in review of Tishman transformer requisitions and that retention at the transformer project is 10%.

Mr. Stout continued that all consultant invoices and change orders are reviewed as well. In connection with potential change orders, he noted the team distinguishes between costs which legitimately are owner scope changes; costs which belong under the contractor's base price; and costs which should be paid from contractor contingency. He indicated the project remains within budget inclusive of the known universe of change orders.

Director Emil asked about completion of final expansion design and impact on budget. Mr. Stout responded that 60% construction documents have been received, and that, the program requirements, which define the project required to be built within LLT's awarded bid, has not changed. He further responded that future design must match those parameters within the bid price. He continued that, as the parties review the program requirements, team members are reviewing whether some potential changes may be credits to CCDC and some may be debits to CCDC and noted that all such change orders are reviewed with the operating corporation. Mr. Thurm noted that the program requirements have a high degree of specificity, and that the prime program elements have not changed, both of which assist in containing change orders.

Director Emil asked about remaining open issues concerning the roof. Mr. Stout indicated that a rooftop pavilion may be part of the project, to be funded from CCDC contingency. Director Little asked about the pavilion's purpose. Mr. Stout responded that the pavilion would seat up to 1,500 people for events on the rooftop of the truck facility, in conjunction with a possible rooftop farm. Chairman Silverman asked about the size of the pavilion; Mr. Thurm responded 15,000 square feet.

Chairman Silverman asked whether the expansion work is bonded; Mr. Thurm replied yes.

Mr. Stout continued by asking ESD counsel Paul Connet to discuss CCDC risk protections in addition to Project insurance which CCDC holds separately from, and on top of, the insurance required to be held by the Project contractors Lendlease Turner and Tishman. Mr. Connet noted that Lendlease Turner indemnifies CCDC for all work related to the expansion project. Further,

he stated the joint venture's parents, Lendlease America and Turner Construction, have provided guaranties to CCDC for all obligations of the joint venture, including the indemnification. Additionally he noted, as required by the Design-Build contract, Lendlease Turner has secured payment and performance bonds for the full \$1.213 billion base project price. He stated that similarly, at the transformer project, Tishman indemnifies CCDC and has tendered payment and performance bonds, and each transformer subcontractor performing work for \$100,000 or more must supply its own payment and performance bonds.

Chairman Silverman asked about subcontractor bonding. Mr. Connet reiterated that transformer subcontractors are bonded. Mr. Thurm noted certain legal restrictions on the use of CCIP insurance programs for the design-build project.

Mr. Stout concluded his President's Report by noting that the search for a CCDC Vice President continues.

Before beginning the substantive portion of the meeting, Chairman Silverman asked the Directors whether anyone had any potential conflict of interest with respect to any of the items on the proposed Agenda.

Hearing no response, Chairman Silverman called for a motion to approve the Minutes of the Directors' meetings of September 13, 2017 and December 13, 2017. Noting no corrections, and upon motion duly made and seconded, the following resolution was unanimously adopted:

APPROVAL OF MINUTES AND RATIFICATION OF ACTIONS TAKEN AT THE SEPTEMBER 13, 2017 AND DECEMBER 13, 2017 MEETINGS OF THE DIRECTORS OF THE NEW YORK CONVENTION CENTER DEVELOPMENT CORPORATION

RESOLVED, that the Minutes of the meetings of the Corporation held on September 13, 2017 and December 13, 2017 as presented to this meeting, are hereby approved and all actions taken by the Directors present at such meeting as set forth in such Minutes, are hereby in all respects ratified and approved as actions of this Corporation.

* * *

Chairman Silverman then asked Mr. Stout to present a request for authorization to adopt the Corporation's annual operating and capital budgets for the fiscal year 2018/2019.

Mr. Stout directed the Directors to the proposed budgets set forth in the Director materials and discussed the various items listed, including \$434 million dollars projected for overall construction spending.

Director Emil asked for a comparison of actual expenses versus the projected expenses; Mr. Stout responded that that would be provided.

Chairman Silverman asked if the Directors or the public had any questions.

Hearing no questions or comments from the Directors and no comments from the public, upon motion duly made and seconded, the following resolution was unanimously adopted:

NEW YORK CONVENTION CENTER DEVELOPMENT CORPORATION (NEW YORK COUNTY) – New York Convention Center Development Corporation ("CCDC") (New York County) – Jacob K. Javits Convention Center ("Javits") Expansion and Renovation Civic and Land Use Improvement Project (the "Project") – Annual Operating and Capital Budgets for FY 2018-

19 - Authorization to Adopt Annual Operating and Capital Budgets for FY 2018-19; and To Take Related Actions

RESOLVED, that, in accordance with the materials presented at this meeting and ordered filed with the records of the Corporation (the "Materials"), the Corporation hereby adopts effective as of April 1, 2018 the Annual Operating and Capital Budgets for FY 2018-19 presented to this meeting and included in the Materials, subject to the availability of funds; and be it further

RESOLVED, that, the President or his designee(s) be, and each of them hereby is, authorized and directed, in the name of and on behalf of the Corporation, to execute and deliver any and all documents and to take all actions as may be necessary or proper to effectuate the foregoing.

* * *

Chairman Silverman next asked Mr. Stout to present a request for authorization to approve capital improvement projects and a reallocation of capital funding.

Mr. Stout reminded the Directors that in 2015 CCDC entered into a funding agreement with CCOC pursuant to which CCDC, in close consultation with CCOC, funds certain capital improvements at existing Javits. He noted that to date, approximately \$18.5 million has been authorized, of which all but just under \$80,000 has been allocated to specific projects. He indicated that the Directors are being asked to reallocate certain previously committed funds, specifically \$900,000 for a previously approved ramp modification project, and then to reallocate available funds to two important capital projects described in the Director materials: one to provide improvements at the existing loading docks; and the second to upgrade existing building management systems. He further noted the total allocation for these two projects is less than the total authorized but uncommitted funds.

CCOC President Alan Steel indicated that: CCOC worked closely with CCDC on this request; the existing facility continues to have capital improvement needs; and that the current request does not encompass hardening of the existing facility exterior.

Chairman Silverman asked if the Directors or the public had any questions.

Hearing no questions or comments from the Directors and no comments from the public, upon motion duly made and seconded, the following resolution was unanimously adopted:

NEW YORK CONVENTION CENTER DEVELOPMENT CORPORATION (NEW YORK COUNTY) –
Jacob K. Javits Convention Center – Approval of Capital Improvement Projects, and
Authorization to Re-allocate Funding, Under the New York Convention Center Renovation
Funding Agreement; and Authorization to Take Related Actions

BE IT RESOLVED, that based on the materials presented at this meeting, a copy of which is ordered filed with the records of the Corporation (the “Materials”), the Corporation hereby authorizes, pursuant to the New York Convention Center Renovation Funding Agreement, funding for the improvements detailed in Section II of the Materials, such funding to be derived from the re-allocation of previously authorized but presently uncommitted funds in the manner set forth in these materials; and be it further

RESOLVED, that the President, or his designee(s) be, and each of them hereby is, authorized to take such action and execute such documents as may be necessary or proper to carry out the foregoing Resolution.

* * *

Chairman Silverman then asked Mr. Stout to present the next item relating to the adoption of revised procurement guidelines.

Mr. Stout noted that the Public Authorities Law requires ESD and its subsidiaries to adopt procurement guidelines annually. ESD adopted new procurement guidelines on March 29, 2018,

and the Directors are being asked to adopt the same guidelines with certain exceptions. The Directors are not being asked for authorization to retain any particular consultant with this item.

Chairman Silverman asked if the Directors had any questions.

Director Emil asked if any existing contract would not pass the guidelines being moved. Mr. Stout responded no. Hearing no further questions or comments from the Directors and no comments from the public, upon motion duly made and seconded, the following resolution was unanimously adopted:

NEW YORK CONVENTION CENTER DEVELOPMENT CORPORATION – Procurements Guidelines - Adoption of Revised Guidelines for the Use, Awarding, Monitoring and Reporting of Procurement Contracts

BE IT RESOLVED, that on the basis of the materials presented to this meeting, a copy of which is hereby ordered to be filed with the records of the Corporation (the “Materials”), the 2018 Guidelines, for the Use, Awarding, Monitoring and Reporting of Procurement Contracts (the “Guidelines”), a copy of which is attached to the materials, be and hereby is approved and adopted as of the date hereof, and the President or his designee is authorized to promulgate the Guidelines in electronic form and other media for the use of the staff of the Corporation, and to take such other and further action as may be deemed necessary or appropriate to effectuate the foregoing Resolution.

* * *

Chairman Silverman then asked for presentation of the next item requesting authorization to amend a legal services contract with legal counsel Schiff Harden.

Mr. Stout reminded the Directors that CCDC has retained Schiff Harden as construction counsel for \$750,000 through June 2018. Schiff work has been satisfactory to date, including work on potential change orders as was earlier discussed. He explained that it is proposed that the contract be extended for two years and increased by \$2,400,000, to a new upset amount of \$3,150,000, with an ESD/CCDC option for a third year at an additional \$1,000,000.

Director Tsunis asked about the annualized cost; Mr. Stout responded approximately \$1,000,000 per year. Mr. Silverman asked how the services would be billed; Mr. Stout responded on a time and materials basis, at a ceiling of ESD maximum rates. Director Carey asked that the Directors be informed if the extension is granted; Mr. Stout agreed.

Hearing no further questions or comments from the Directors and no comments from the public, upon motion duly made and seconded, the following resolution was unanimously adopted:

NEW YORK CONVENTION CENTER DEVELOPMENT CORPORATION (NEW YORK COUNTY)
– Jacob K. Javits Convention Center Expansion and Renovation Civic and Land Use
Improvement Project (the “Project”) – Retention of Outside Counsel to Provide Legal
Services - Authorization to Amend a Contract with Schiff Hardin LLP for Legal Services
Related to the Project; and To Take Related Actions

BE IT RESOLVED, that based on the materials presented at this meeting (the “Materials”), a copy of which is ordered filed with the records of the Corporation, the Corporation hereby finds Schiff Hardin LLP to be responsible; and be it further

RESOLVED, that the Corporation is hereby authorized to enter into a contract amendment with Schiff Hardin LLP for the purposes and services, and substantially on the terms and conditions as set forth in the Materials; and be it further

RESOLVED, that the President, or his designee(s) be, and each of them hereby is, authorized to take such action and execute such documents as may be necessary or appropriate to carry out

the foregoing Resolutions. Any actions previously taken by the Corporation consistent with this authorization are hereby ratified and affirmed.

* * *

Chairman Silverman then asked ESD VP of Contract Administration Jolyon Handler to present the final item requesting authorization to amend an existing contract with VJ Associates.

Mr. Handler noted that the request is for a one-year, no increased cost, extension of the VJ contract for construction cost estimating services for the transformer building. He noted the services were publicly bid and the contract awarded in 2017 for one year, but continued cost estimating services are required. He further noted that Director authorization of the time extension is required since the extension carries the contract beyond one year. VJ, a certified NYS MBE, has performed satisfactory work.

Chairman Silverman asked if the Directors had any questions.

Hearing no questions or comments from the Directors and no comments from the public, upon motion duly made and seconded, the following resolution was unanimously adopted:

NEW YORK CONVENTION CENTER DEVELOPMENT CORPORATION (NEW YORK COUNTY) -
New York (New York County) -- Jacob K Javits Convention Center Renovation and
Expansion Civic and Land Use Improvement Project -- Contract for Estimating Services -
Authorization to Amend a Contract with VJ Associates, Inc. for Construction Cost
Estimating Services

RESOLVED, that based on the materials presented to this meeting (the "Materials"), a copy of which is ordered filed with the records of the Corporation, the Corporation hereby finds VJ Associates, Inc. ("VJA") to be responsible; and be it further

RESOLVED, that the Corporation hereby is authorized to amend its cost estimation services contract with VJA for an additional year to February 28, 2019, at no increase in cost, substantially on the terms and conditions as set forth in the Materials; and be it further

RESOLVED, that the President, or his designee(s) be, and each of them hereby is, authorized to take such action and execute such documents as may be necessary or appropriate to carry out the foregoing Resolutions.

* * *

Hearing no further business, Chairman Silverman thanked everyone for their attendance.

The meeting was adjourned at 2:10 p.m.

Respectfully submitted,

Debbie Royce
Assistant Secretary

Item I. B.



**New York
Convention Center
Development
Corporation**

A Subsidiary of Empire State Development

FOR CONSIDERATION

November 14, 2018

TO: The Directors

FROM: Robin Stout

SUBJECT: New York Convention Center Development Corporation ("CCDC")
(New York County) – Jacob K. Javits Convention Center ("Javits")

REQUEST FOR: Approval of Capital Improvement Projects, and Authorization to Re-Allocate Funding, Under the New York Convention Center Renovation Funding Agreement; and Authorization to Take Related Actions

I. BACKGROUND

In 2015, the Directors authorized CCDC to enter into the New York Convention Center Renovation Funding Agreement ("Funding Agreement") with the New York Convention Center Operating Corporation ("CCOC"). Pursuant to the Funding Agreement, CCOC can undertake certain capital improvement projects, on behalf of and to be funded by CCDC, subject to CCDC approval. Material modifications to previously approved projects also require CCDC approval. Payment for approved projects is made: (a) 50% in advance; and (b) the remaining 50% on the earlier to occur of: (i) CCDC-CCOC agreement; or (ii) expenditure of 90% of the initial 50% advance.

Since execution of the Funding Agreement, CCDC Directors have authorized a collective general total of \$18,500,000 for CCOC capital improvement projects. From that amount, the Directors have approved expenditures totaling collective commitments of \$18,470,629, leaving \$29,371 in total previously-authorized, but as-yet-uncommitted, funds available for further CCOC capital improvements on an as needed basis (see Exhibit A attached).

II. RE-ALLOCATING PREVIOUSLY AUTHORIZED FUNDS TO NEEDED CAPITAL IMPROVEMENTS

Two previously approved projects have been completed for less than the allocated budgets.

- (1) In September 2017, the Directors authorized an expenditure of \$162,000 for replacement of exterior cameras. That project has been concluded at a final cost of \$144,029, leaving an unspent allocated balance of \$17,971.

- (2) In September 2017, as reauthorized in April 2018, the Directors authorized expenditures totaling \$1,560,000 for the installation of loading dock air curtains and doors. That project has been concluded at a final cost of \$1,130,000, leaving an additional unspent allocated balance of \$430,000.

Adding these two unspent amounts (\$17,971 and \$430,000) and the total previously-authorized, but as-yet-uncommitted, funds in the amount of \$29,371, results in a new total of previously authorized but currently uncommitted funds of \$477,342.

CCOC has requested that CCDC allocate such remaining uncommitted capital funds to two capital improvements, which are summarized below, on CCOC's "essential and high" priority list. Each capital improvement will increase the functionality of, and decrease risk associated with, the existing Javits operations.

(A) Perimeter Security, 34th Street Gates: Add \$30,000 to previously-approved \$760,000.

The Directors initially authorized this \$760,000 budgeted improvement in December 2017. CCOC requests an additional \$30,000 be allocated to conclude the project. This improvement will replace the outdated, manually operated, truck exit gates at the 34th Street inner roadway.

(B) Lighting Upgrades for Entire Existing Building Exterior Perimeter: \$447,342.

The exterior lighting at all high traffic public zones and perimeter walkways throughout the entire complex require modifications and upgrades to comply with public safety requirements and the Javits Center energy management program. Areas of work include: (a) 11th Avenue street light replacement due to burnouts or other malfunctions causing the fixtures to be fully or partially inoperative, resulting in low light levels; plus restoration of power supply to some of the light posts severed during the 11th Avenue viaduct renovation; (b) Level 3 loading area downlight fixture replacement due to inefficiency, high rate of malfunction/burnout, and premature ballast failures, resulting in low light levels; and (c) Level 3 cross over area downlights, wall pack and stair light fixture replacement due to reduced light output and truck damage, also resulting in low light levels.

III. FUNDING

The additional recommended expenditures for these two improvements total \$477,342, which equals the total of uncommitted funds (see Exhibit A attached). Therefore, the proposed re-allocation does not require amendment of CCDC's Capital Budget. CCDC will continue to fund these payment obligations with proceeds from the Hotel Unit Fee Secured Bond Series 2015 and 2016.

IV. NON-DISCRIMINATION AND CONTRACTOR & SUPPLIER DIVERSITY

New York State Urban Development Corporation d/b/a Empire State Development's ("ESD") Non-Discrimination and Contractor and Supplier Diversity policies will apply to CCOC's improvements. CCOC shall be required: to include minorities and women in any job

opportunities created; to solicit and utilize Minority and Women Business Enterprises (“MWBEs”) for any contractual opportunities generated; and to use Good Faith Efforts (pursuant to 5 NYCRR Section 142.8) to achieve MWBE Participation. Establishment of specific goals related to the total value of ESD’s funding is pending.

V. ENVIRONMENTAL REVIEW

ESD staff, on behalf of CCDC, has determined that the capital projects subject to the requested re-allocation have been addressed under previous environmental reviews conducted for the Javits expansion project. No further environmental review is required in connection with the requested authorization.

VI. REQUESTED ACTIONS

The Directors are requested to authorize funding for the improvements detailed in Section II above, such funding to be derived from the re-allocation of previously authorized but presently uncommitted funds in the manner set forth in these materials.

VII. ATTACHMENTS

Resolutions
Exhibit A

November 14, 2018

NEW YORK CONVENTION CENTER DEVELOPMENT CORPORATION (NEW YORK COUNTY) – Jacob K. Javits Convention Center – Approval of Capital Improvement Projects, and Authorization to Re-allocate Funding, Under the New York Convention Center Renovation Funding Agreement; and Authorization to Take Related Actions

BE IT RESOLVED, that based on the materials presented at this meeting, a copy of which is ordered filed with the records of the Corporation (the “Materials”), the Corporation hereby authorizes, pursuant to the New York Convention Center Renovation Funding Agreement, funding for the improvements detailed in Section II of the Materials, such funding to be derived from the re-allocation of previously authorized but presently uncommitted funds in the manner set forth in these materials; and be it further

RESOLVED, that the President, or his designee(s) be, and each of them hereby is, authorized to take such action and execute such documents as may be necessary or proper to carry out the foregoing Resolution.

* * *

EXHIBIT A

AUTHORIZATIONS

1 CCDC Board authorization	2/9/2016	\$4,400,000
2 CCDC Board authorization	2/9/2016	4,600,000
3 CCDC Board authorization	5/18/2016	4,500,000
4 CCDC Board authorization	4/19/2017	<u>5,000,000</u>
		\$18,500,000

PRIOR COMMITMENTS

Upgrade Fire Alarm (original renovation)		\$2,000,000
Finalize CCTV		2,000,000
East Egress		5,200,000
Storefront		1,219,199
Site K		63,658
Transformer		221,772
Fire Alarm		<u>5,500,000</u>
		\$16,204,629

Remaining Uncommitted Balance		\$2,295,371
Reallocation from East Egress	plus	<u>4,550,000</u>
		\$6,845,371

FURTHER COMMITMENTS 9/13/17	Truck Ramp	\$900,000
	MER Upgrades	2,680,000
	Lighting Controls 3D	504,000
	Concrete Sidewalk Repairs	300,000
	Exterior Camera Replacement	162,000
	Heating Loading Dock Doors	<u>910,000</u>

FURTHER COMMITMENTS 12/31/17	Perimeter Security - 34th Street Gates	\$760,000
	Scope change East Egress	150,000
	Elevator Mechanical Upgrade	<u>400,000</u>

Total Uncommitted Funds		\$79,371
Recapture of cancelled Truck Ramp funds	plus	<u>900,000</u>
Total Uncommitted Funds		\$979,371

FURTHER COMMITMENTS 4/5/18	High-Speed Doors Levels 1 and 3	\$650,000
	BMS Upgrade	<u>300,000</u>
TOTAL UNCOMMITTED FUNDS		\$29,371

REQUEST for Director Approval Recapture November 2018		
Exterior Camera Replacement recapture	plus	\$17,971
Loading Dock Doors recapture	plus	<u>430,000</u>
New Total Uncommitted Funds		\$477,342

REQUEST for Director Approval Reallocate November 2018		
Perimeter Security - 34th Street Gates	minus	\$30,000
Exterior Lighting Upgrades	minus	447,342

NEW BALANCE OF TOTAL UNCOMMITTED FUNDS		0
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Item III. A.



FOR CONSIDERATION

November 14, 2018

TO: The Directors

FROM: Robin Stout

SUBJECT: New York Convention Center Development Corporation (“CCDC”) (New York County) – Jacob K. Javits Convention Center (“Javits”) Expansion and Renovation Civic and Land Use Improvement Project (the “Project”)

REQUEST FOR: Authorization to Amend a Contract with VJ Associates, Inc. for Construction Cost Estimating Services to Add Value and Extend Term

CONTRACT NEED AND JUSTIFICATION

I. Amendment Summary

Consultant: VJ Associates, Inc. (“VJA”)

Scope of Services: Continue to provide construction cost estimating services in conjunction with the Javits Transformer Building (scope unchanged)

Contract Amount: Current not-to-exceed amount of 217,250 would be increased by \$150,000, plus a 10% (\$15,000) contingency, to a new amended not-to-exceed amount of \$382,250

Contract Term: Current term ending February 28, 2019 would be extended to June 30, 2020

Funding Source(s): 2015/2016 Hotel Unit Fee Bond Funds

II. Existing Contract

In February 2017, CCDC solicited four firms to provide cost estimating services in connection with construction of the Javits Transformer Building project, three from CCDC’s list of pre-

qualified real estate consulting firms and a fourth firm, VJA, which is a New York State certified Minority owned business (MBE). CCDC determined that VJA's responsive proposal provided the best value, and accordingly made a discretionary purchase of services from VJA. At that time, Transformer Building construction was being overseen by Tishman Construction Company ("TCC") as CCDC's construction-manager-as-agent, and CCDC was entering into direct trade contracts that were packaged, bid, and recommended by TCC. CCDC needed construction trade cost estimating services to verify the reasonableness of trade bids being received, and VJA performed that work satisfactorily.

In April 2017, CCDC Directors authorized CCDC to contract with TCC as construction-manager-at-risk ("CMAR") for the Transformer Building. As a result, CCDC no longer entered into direct trade contracts, but still needed cost estimating services to verify the reasonableness of CMAR trade contracts. In order to provide continuity in these on-going cost estimating services, in May 2017 VJA's initial contract was amended to a not-to-exceed amount of \$197,500 and to an expiration date of February 27, 2018. (Through that time, the contract was not presented to the Directors because, under CCDC's procurement guidelines, contracts for less than one year and less than \$250,000 do not require Director approval.)

In April 2018, the Directors authorized a one-year time extension of CCDC's contract with VJA, to February 28, 2019, without changing the \$197,000 not-to-exceed amount. Pursuant to procurement guidelines, that not-to-exceed amount was increased in October 2018 by 10%, or \$19,750, to a new not-to-exceed total of \$217,250. VJA has continued to perform its required services satisfactorily.

III. Amendment Background

CCDC continues to require cost reviews for ongoing Transformer Building work, particularly for potential change order review as may be necessary. CCDC also continues to need assistance to determine that quantities assessed for pricing are appropriate. VJA has unique familiarity with the project and the underlying trade contracts, and therefore a Contract Reporter single source exemption has been approved.

IV. Responsible Party

CCDC has examined VJA's "responsibility" as defined in State Finance Law §163, and as provided in CCDC Procurement Guidelines, Article 8.13. Based on this analysis of financial and organizational capacity, legal authority to do business in New York, integrity of principals, and past performance on contracts, staff concludes that VJA is a responsible vendor.

V. Scope of Work

The scope of work under the contract would remain unchanged from the original scope, including:

- Review and validate pricing on trade awards;
- Review and validate pricing on change orders;
- Review quantity take offs, linear footage measurements, etc.; and
- Attend CCDC price negotiations with contractors and provide support data.

VI. Contract Term, Price and Funding

The Directors are being asked to authorize a contract extension for an additional approximately 16 months, to June 30, 2020, which encompasses the expected completion date for the Transformer Building, and to authorize an increase in the not-to-exceed amount of the contract by \$165,000 (inclusive of a 10% contingency) to a new amended not-to-exceed amount of \$382,250. Payment would be made on the basis of hourly services and reimbursable expenses. VJA's hourly rate remains unchanged from the initial competitive procurement. These proposed additional contract costs would be funded from 2015 and 2016 Hotel Unit Fee Bond Funds.

VII. Non-Discrimination and Contractor & Supplier Diversity

ESD's Non-Discrimination and Contractor & Supplier Diversity policies apply. VJA is required to: include minorities and women in any job opportunities created; solicit and utilize Minority and Women Business Enterprise (MWBES) for any contractual opportunities generated; and use Good Faith Efforts (pursuant to 5 NYCRR 142.8 and 9 NYCRR 252.2(m)) to achieve an overall MWBE Participation Goal of 30% related to the total value of CCDC funding. VJA is a Minority-Owned Business Enterprise certified by the State of New York and may utilize its certification to satisfy the above requirement.

VIII. Environmental Review

ESD staff, on behalf of CCDC, has determined that the requested authorization to amend the existing VJA contract constitutes a Type II action as defined by the New York State Environmental Quality Review Act and the implementing regulations of the New York State Department of Environmental Conservation. No further environmental review is required in connection with the contract extension.

IX. Requested Action

The Directors are requested to: (1) make a determination of responsibility with respect to VJA; and (2) authorize CCDC to amend CCDC's current contract with VJA by: (a) extending the term of the contract to June 30, 2020; and (b) increasing the not-to-exceed amount of the contract to \$382,250.

X. Recommendation

Based on the foregoing, I recommend approval of the requested actions.

Attachments

Resolutions

November 14, 2018

NEW YORK CONVENTION CENTER DEVELOPMENT CORPORATION (NEW YORK COUNTY) – Jacob K. Javits Convention Center Expansion and Renovation Civic and Land Use Improvement Project - Authorization to Amend a Contract with VJ Associates, Inc. for Construction Cost Estimating Services to Add Value and Extend Term

RESOLVED, that based on the materials presented to this meeting (the “Materials”), a copy of which is ordered filed with the records of the Corporation, the Corporation hereby finds VJ Associates, Inc. (“VJA”) to be responsible; and be it further

RESOLVED, that the Corporation hereby is authorized to amend its cost estimation services contract with VJA, substantially on the terms and conditions as set forth in the Materials: (a) to extend the term of the contract to June 30, 2020; and (b) to increase the not-to-exceed amount of the contract to \$382,250; and be it further

RESOLVED, that the President, or his designee(s) be, and each of them hereby is, authorized to take such action and execute such documents as may be necessary or appropriate to carry out the foregoing Resolutions.

* * *

Item III. B.



FOR CONSIDERATION

November 14, 2018

TO: The Directors

FROM: Robin Stout

SUBJECT: New York Convention Center Development Corporation (“CCDC”) (New York County) – Jacob K. Javits Convention Center (“Javits”) Expansion and Renovation Civic and Land Use Improvement Project (the “Project”)

REQUEST FOR: Authorization for Third Amendment to Contract for Inspection Services; Authorization to Take Related Actions

I. Third Amendment Summary

Firm: Tectonic Engineering and Surveying Consultants PC (“Tectonic”)

Scope of Services: Project inspection services (see Exhibit A); unchanged but with the addition of certain electrical inspection services and certain limited safety inspection services

Term: Unchanged (for transformer inspections, through March 2019; and for expansion inspections, through expansion completion, anticipated March 2021)

Existing Contract Amount: Not to exceed \$2,949,120

Amended Contract Amount: Increase by an additional \$3,000,000; for a new not-to-exceed total of \$5,949,120

Funding Source: 2015 and 2016 Bond Series (Hotel Unit Fee Secured)

Contract Number: 10148

II. Existing Amended Contract Background

In October 2016, after public solicitation of proposals, the Directors authorized CCDC to retain Tectonic to assist in the prompt commencement of transformer building construction and utility relocation inspections. The scope of the Tectonic work was to perform and document full service accredited special and progress inspections and material testing as required by the New York City Building Code

("NYCBC") or by the Project's construction permitting authority, the Dormitory Authority of the State of New York ("DASNY"). The contract amount for this initial transformer building related work was \$182,730 for a term concluding March 2019.

In June 2017, the Directors authorized an initial amendment to the Tectonic contract to provide the same scope of inspection services for the Project's expansion work (as distinct from transformer/utility work) for a limited period of time, pending CCDC's public solicitation for the full scope of the expansion inspection services required over the course of the expansion construction period, anticipated to extend to March 2021. This First Amendment (procured without public solicitation, for which CCDC obtained a Contract Reporter Exemption) was limited in value and term, with the contract value being increased by \$166,390 (bringing the amended contract value to \$349,120) and the term for the expansion related inspections being limited at that time to an end date no later than June 2018. The contract's First Amendment was an interim solution to advance the Project's expansion work through the critical early periods of demolition, commencement of excavation, and laying of caissons.

In August 2017, CCDC issued a Request for Proposals ("RFP") for Inspection Services related to the Project's expansion. The RFP solicited proposals for inspection services in 17 technical categories (see Exhibit A), noted that respondents could bid on some or all of the services, and indicated that CCDC reserved the right to select a single or multiple consultants to provide the requested services. Eight responses were received. Of these, six bid on all or nearly all services, one bid on only two services, and one bid on only one service. After review, Tectonic's proposal (covering nearly all services) was rated highest overall. Tectonic is one of the leading providers of testing and inspection services in New York City with an extensive professional staff and testing laboratory. In October 2017, the Directors authorized a second amendment to the Tectonic contract to include these further expansion related inspections, increasing the contract amount by \$2,600,000 to a new amended total price not to exceed \$2,949,120.

III. Contractor Selection

Tectonic continues to perform well under the current contract, in connection with both transformer and expansion inspections, and has gained valuable Project-specific knowledge of the Project site environment. It is important that CCDC maintain this institutional knowledge in order to continue to perform prompt, exacting inspections and to produce timely (often overnight), high quality, and accurate inspection reports, without compromising an aggressive schedule or duplicating work previously performed and paid. Thus, the continuing retention of Tectonic to perform Project inspection services constitutes the most economical and also the most efficient choice for CCDC, and accordingly a Contract Reporter exemption has been approved for this amendment.

IV. Third Amendment Scope, Term, Price, and Funding

The requested inspections are required to be performed by, or on behalf of, CCDC directly as Owner (and not by Project contractors) by NYCBC or by DASNY. The requested amendment reflects an updated quantity of inspections anticipated based on CCDC's current understanding of Project design (now nearing completion), contractors' means and methods for completing construction, and rate and quantity of inspections to date on the Project. At the time of the October 2017 contract amendment, these key indicators of necessary rate and quantity of inspections were not yet fully developed. The

scope of services potentially needed is as set forth at Exhibit A. Additionally, after consultation with DASNY and CCDC's Project Manager, CCDC recommends that two further scope items be added to the contract: (1) certain electrical inspections, including issuance of a certificate of compliance; and (2) certain safety inspection related to hoists, sidewalk sheds and related matters.

The term for the requisite inspection services remains unchanged (for transformer inspections, through March 2019; and for expansion inspections, through expansion completion, anticipated March 2021). The contract value would be increased by \$3,000,000, bringing the contract's not-to-exceed value to a total of \$5,949,120. Tectonic's inspection rates are unchanged from rates currently in effect pursuant to competitive procurement, and would remain unchanged for the term of the contract. Required work would be funded from 2015 and 2016 Bond Series (Hotel Unit Fee Secured).

V. **Non-Discrimination and Contractor & Supplier Diversity**

ESD's Non-Discrimination and Contractor & Supplier Diversity policies apply to this retention. Tectonic would be required to: include minorities, women, and service disabled veterans in any job opportunities created; solicit and utilize Minority and Women-owned Business Enterprises (MWBES) and Service – Disabled-Veteran-owned Business Enterprises (SDVOBs) for any contractual opportunities generated in connection with the retention; and use Good Faith Efforts (pursuant to 5 NYCRR §142.8) to achieve an overall MWBE Participation Goal of 30%. The overall goal shall include an MBE Goal of 15% and a WBE Goal of 15% relative to the total value of CCDC's funding. For purposes of this retention, SDVOB goals would not be established due to the unavailability of certified SDVOBs for performance on this contract.

VI. **Environmental Review**

ESD staff, on behalf of CCDC, has determined that the requested authorization constitutes a Type II action as defined by the New York State Environmental Quality Review Act and the implementing regulations for the New York State Department of Environmental Conservation. No further environmental review is required in connection with the requested authorization.

VII. **Responsible Party**

CCDC has examined Tectonic's "responsibility" as defined in State Finance Law §163, and as provided in CCDC Procurement Guidelines, Article 8.13. Based on this analysis of financial and organizational capacity, legal authority to do business in New York, integrity of principals, and past performance on contracts, staff concludes that Tectonic is a responsible vendor.

VIII. **Requested Actions**

The Directors are requested to: (1) make a determination of responsibility with respect to Tectonic; and (2) authorize CCDC to: (a) amend its inspection services contract with Tectonic substantially upon the terms and conditions set forth in these materials; and (b) take all related actions.

IX. **Recommendation**

Based on the foregoing, I recommend approval of the requested actions.

X. **Attachments**

Resolutions

Exhibit A Scope of Services

November 14, 2018

NEW YORK CONVENTION CENTER DEVELOPMENT CORPORATION (NEW YORK COUNTY) - Jacob K. Javits Convention Center Expansion and Renovation Civic and Land Use Improvement Project - Authorization for Third Amendment to Contract for Inspection Services; Authorization to Take Related Actions

RESOLVED, that based on the materials presented to this meeting (the "Materials"), a copy of which is ordered filed with the records of the Corporation, the Corporation hereby finds Tectonic Engineering and Surveying Consultants PC ("Tectonic") to be responsible; and be it further

RESOLVED, that the Corporation hereby is authorized to amend its inspection services contract with Tectonic, to a new amended total price not to exceed \$5,949,120, substantially on the terms and conditions as set forth in the Materials; and be it further

RESOLVED, that the President, or his designee(s) be, and each of them hereby is, authorized to take such action and execute such documents as may be necessary or appropriate to carry out the foregoing Resolutions.

* * *

EXHIBIT A: PRICING PROPOSAL

PRICING BASED ON 3-YEAR CONTRACT

BIDDER Tectonic Engineering & Surveying Consultants P.C.

A: Test Pricing

	Unit Price	Units (test or /half-day or /day)
1. ALUMINUM		
1 Aluminum Welding	\$660.00	/day
2. STRUCTURAL STEEL CONSTRUCTION		
1 Inspection of Fabricators	\$860.00	/day
2 Welding	\$760.00	/day
3 Welding (Visual)	\$760.00	/day
4 Welding (UT)	\$860.00	/day
5 Welding (Mag Particle)	\$860.00	/day
6 High Strength Bolts	\$760.00	/day
7 Material Verification	\$760.00	/day
8 Inspection of Bolting	\$760.00	/day
9 Structural Cold-formed Steel	\$760.00	/day
10 Structural Steel Erection / Stability of Structure	\$760.00	/day
11 Structural Stability/Safety	\$880.00	/day
12 Mechanical Demolition	\$880.00	/day
13 Off Site Inspections (per item)	\$220.00	/day
3. MASONRY		
1 Laboratory Tests: (including Labor)	\$580.00	/day
2 i. Absorption (ASTM C140)	\$50.00	/each
3 ii. CMU Compression (ASTM C140)	\$60.00	/each
4 iii. Mortar Compression (ASTM C780)	\$10.00	/each
5 iv. Grout Compressive Strength Test (ASTM C1019)	\$10.00	/each
6 v. Prism Compressive Strength (ASTM C1314)	\$360.00	/each
4. SEISMIC RESISTANCE		
1 Structural Steel	\$880.00	/day
2 Structural Wood	\$880.00	/day
3 Cold Formed Steel Framing	\$880.00	/day
4 Storage Racks and Access Floors	\$880.00	/day
5 Architectural Components for Buildings with Seismic Design Category "D" only	\$880.00	/day
6 Mechanical and Electrical Components Seismic Isolation System	\$880.00	/day
5. WOOD		
1 Laminated Wood	\$880.00	/day
6. CONCRETE		
1 Concrete Design Mix, P.E.	\$110.00	/mix
2 Concrete Unit Costs (Including Labor):	\$390.00	/day
3 i. Concrete Test Cylinders	\$10.00	/cylinder
4 (Pick-up, Molds, Curing, Testing, Reporting)	\$55.00	/hour
5 ii. Preparation, Testing and Reporting of Cores per ASTM C42	\$190.00	/core
6 Special Equipment (Not Including Labor):	\$1,200.00 (Labor)	/day
7 i. Concrete Cores per ASTM C42	\$300.00	/core
8 ii. Pachometer (R-Meter)	\$80.00	/day

9	iii. Windsor Probes (ASTM C803)	\$180.00	/set of 3
10	iv. Puli-Test Equipment	\$450.00	/day
11	v. Floor Flatness Equipment (Dipstick)	\$300.00	/day
12	vi. Ground Penetrating Radard (GPR) Equipment	\$1,300.00	/day
13	vii. Moisture Vapor Emission (Calcium Chloride) Test Kits - ASTM F1869	\$300.00	/day
14	viii. Relative Humidity Testing of Slab-on-Grade Concrete - ASTM F2170	\$300.00	/day
15	ix. Microwave Test Equipment (AASHTO TP23)	\$100.00	/day
16	Laboratory Concrete Analysis (Includes Labor):		
17	i. Petrographic Analysis - Chemical by ASTM C856	\$1,200.00	/test
18	ii. Petrographic Analysis - Microscopic by ASTM C856	\$1,400.00	/test
19	iii. Petrographic Analysis - Visual by ASTM C856	\$2,400.00	/test

7. FIRE PROTECTION			
		Unit Price	Units
1	Spray-on Fireproofing	\$580.00	/day
2	Fire Dampers	\$880.00	/day
3	Firestop	\$580.00	/day
4	Draftstop & Fireblock Systems	\$580.00	/day
5	Smoke Control Systems	\$880.00	/day
6	Standpipe and Sprinkler Systems	\$880.00	/day
7	Fire Alarm Test	\$880.00	/day
8	Photoluminescent Exit Path Markings	\$880.00	/day

8. SMOKE CONTROL			
		Unit Price	Units
1	Erection and Installation of Devices and Systems	\$880.00	/day

9. ELEVATOR & CONVEYING SYSTEMS			
		Unit Price	Units
1	Annual Inspection/Category 1	\$345.00	/each
2	3-Year Test - Water Hydraulic / Category 3	\$345.00	/each
3	5-Year Test/Category 5	\$664.00	/each
4	Replacement/Modification Sign Off	\$202.00	/each
5	Personnel Hoist Inspection/Test	\$345.00	/each
6	Hoist Jump Up	\$664.00	/each
7	Hoist Jump Down	\$664.00	/each
8	90-day Temp Renewal	\$664.00	/each

10. ELECTRICAL COMPONENTS			
		Unit Price	Units
1	Service Equipment - Ground Fault Protection System	\$880.00	/day
2	Energy Power Systems as required for Electrical Equipment and Installations	\$880.00	/day
3	Energy Code Compliance Inspection	\$880.00	/day
4	Insulation Placement and R-Values	\$880.00	/day
5	Air Sealing and Insulation - Visual	\$880.00	/day
6	Interim Emergency Power Test	\$880.00	/day
7	Permanent Power Test	\$880.00	/day
8	Lighting in Dwelling Units	\$880.00	/day
9	Exit Signs	\$880.00	/day

11. MECHANICAL SYSTEMS			Unit Price	Units
1	Heating Systems		\$880.00	/day
2	Refrigeration		\$880.00	/day
3	Visual Certification That The Required Components Are Complete		\$880.00	/day
4	According To Manufacturer's Installation Guidelines And Contract		\$880.00	/day
5	Documentation		\$880.00	/day
6	Supports, Hangers, Seismic Bracing, Vibration Isolators Installation		\$880.00	/day
7	Installation Of Signage And Safety Instruction		\$880.00	/day
8	Electrical Components And Issuing Of Electrical Sign-Off		\$880.00	/day
9	Commercial Kitchen Hoods		\$880.00	/day
10	Boilers, Water Heaters and Pressure Vessels		\$880.00	/day
11	Refrigeration		\$880.00	/day
12	Hydronic Piping Systems		\$880.00	/day
13	Fuel Oil Piping and Storage Systems		\$880.00	/day
14	X-Ray films		\$880.00	/day
15	Welding High Pressure Steam Piping		\$760.00	/day
16	Welding High Pressure Gas Piping		\$760.00	/day
17	Leak test witness and report		\$880.00	/day
18	Ventilation Balancing Reports		\$880.00	/day
19	Posting Of Labels, Operational Instructions And Safety Signage		\$880.00	/day
20	Installation Of Fire And Smoke Dampers Required For System Equipment		\$880.00	/day

12. PLUMBING SYSTEMS			Unit Price	Units
1	Plumbing Systems		\$880.00	/day
2	Drainage and Vent Systems		\$880.00	/day
3	Sanitary Lines		\$880.00	/day
4	Building Sewers		\$880.00	/day
5	Water Supply Systems		\$880.00	/day
6	Percolation Test		\$660.00	/day
7	Site Storm Drainage Disposal and Detention Facilities		\$880.00	/day

13. SOILS/ROCK			Unit Price	Units
1	Soil Sampling (ASTM D75)		\$580.00	/day
2	Special Equipment			
3	i. Nuclear Moisture-Density Gauge (Not Including Labor)		\$100.00	/day
5	Laboratory Testing (Including Labor)			
6	i. Modified Proctor Test (ASTM D1557)		\$120.00	/test
7	ii. Standard Proctor Test (ASTM D698)		\$120.00	/test
8	iii. Gradation (ASTM D422)		\$80.00	/test
9	iii. Gradation (ASTM D422)		\$80.00	/test
10	iv. Gradation (ASTM D422) w/Hydrometer		\$110.00	/test
11	v. Soil Classification (ASTM D2487)		\$80.00	/test
12	vi. Atterberg Limits (ASTM D4318)		\$130.00	/test
13	vii. Organic Matter (ASTM D2974)		\$120.00	/test
14	viii. pH (ASTM D4972)		\$80.00	/test
15	ix. Compressive strength of intact rock core specimens (ASTM D2938)		\$60.00	/test

14. EXCAVATION AND TEMPORARY SUPPORT OF EXCAVATION		Unit Price	Units
1	Sheeting, Shoring & Bracing	\$880.00	/day
2	Secant Pile Wall Installation and Rock Socket inspection	\$880.00	/day
3	Tie Back drilling, grouting and stressing inspection and testing	\$880.00	/day
4	Jet Grout on site inspection	\$390.00	/day
15. WINDOW TESTING		Unit Price	Units
1	AAMA 502-02, Test Method B	\$3,600.00	/day
2	AAMA 503-03	\$3,600.00	/day
3	AAMA 501.2-03	\$3,600.00	/day
16. FOUNDATIONS		Unit Price	Units
1	Boring or Test Pits	\$880.00	/day
2	Piling	\$880.00	/day
3	Pier Foundations	\$880.00	/day
17. TECHNICAL-TIME OR SUPERVISORY VISITS		Unit Price	Units
1	Non-PE	\$84.00	/Hr.
2	PE	\$124.00	/Hr.
3			
4			
5			
6			
7			
8			

Year 2 Esc. Year 3 Esc.
 3.00% 3.00%

Labor Rate Escalation %

B. HOURLY LABOR RATES - FOR NON TASK ORDER VENDORS ONLY

EMPLOYEE TITLE / CLASSIFICATION	RATES YEAR 1		RATES YEAR 2		RATES YEAR 3	
	REG	OT	REG	OT	REG	OT
Rates provided are for 2017. Unit rate escalations would take effect January 1 of each subsequent year.			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00

	<i>Detailed Description of when rate applies</i>
Overtime	Overtime is 1.5 x the applicable rate for hours beyond 8 on a weekday or all hours on weekends and holidays
Other (please describe)	A charge of 1400/day would be applicable for opening the lab after hours or weekends and holidays

C. MATERIAL

		EXCEPTIONS (IF ANY, PROVIDE DETAILS)
% MARKUP TO BE ADDED TO AMOUNTS PAID BY BIDDER FOR MATERIALS	N/A	

D. SUBCONTRACTOR MARKUP

		EXCEPTIONS (IF ANY, PROVIDE DETAILS)
% MARKUP TO BE ADDED TO AMOUNTS PAID BY BIDDER FOR APPROVED SUBCONTRACTOR WORK	10.00%	