## Torres Rojas, Genara

**From:** dmorris@tectonicengineering.com
**Sent:** Thursday, August 07, 2014 9:56 AM
**To:** Duffy, Daniel; American, Heavyn-Leigh
**Cc:** Torres Rojas, Genara; Van Duyne, Sheree
**Subject:** Freedom of Information Online Request Form

Information:

First Name: David
Last Name: Morris
Company: Tectonic Engineering
Mailing Address 1: 160 Pehle Avenue, Suite 306
Mailing Address 2:
City: Saddle Brook
State: NJ
Zip Code: 07663
Email Address: dmorris@tectonicengineering.com
Phone: 2018430403
Required copies of the records: Yes

List of specific record(s):
Request for a copy of the Environmental Analysis and Documentation Services - WTC Streets, Utilities and Related Infrastructure Program awarded to AKRF, Incorporated on 12312007 associated with reference number 4600004551.

**THE PORT AUTHORITY** OF NY & NJ

FOI Administrator

October 1, 2014

Mr. David Morris
Tectonic Engineering
160 Pehle Avenue, Suite 306
Saddle Brook, NJ 07663

Re: Freedom of Information Reference No. 15194

Dear Mr. Morris:

This is in response to your August 7, 2014 request, which has been processed under the Port Authority's Freedom of Information Code (the "Code") for "a copy of the Environmental Analysis and Documentation Services - WTC Streets, Utilities and Related Infrastructure Program awarded to AKRF, Incorporated on 12312007 associated with reference number 4600004551."

Material responsive to your request and available under the Code can be found on the Port Authority's website at http://www.panynj.gov/corporate-information/foi/15194-LPA.pdf. Paper copies of the available records are available upon request.

Please refer to the above FOI reference number in any future correspondence relating to your request.

Very truly yours,

Daniel D. Duffy
FOI Administrator

225 Park Avenue South, 17th Floor
New York, NY 10003
T: 212 435 3642 F: 212 435 7555

THE PORT AUTHORITY OF NY & NJ

July 27, 2007

AKRF, Inc.
440 Park Avenue South
New York, NY 10016

Attention: Robert Conway, Senior Vice President

**SUBJECT: PREPARATION OF ENVIRONMENTAL ASSESSMENT DOCUMENT FOR WTC STREETS AND RELATED INFRASTRUCTURE PROJECT (CHANGE ORDER NO. CO-07-001)**

Ref: Expert Professional Services – Performance of Professional Services for the Development of Environmental Analysis and Documentation of Environmental Analysis and Documentation for the Permanent World Trade Center PATH Terminal (P.A. AGREEMENT # 407-03-005)

Dear Mr. Conway:

The Authority hereby accepts your proposal dated May 7, 2007 and subsequent cost and staffing analyses submitted on June 19, 2007, which is attached hereto and is incorporated into the referenced agreement by reference, for performance of the services in the scope of additional services, request which formed the basis for submission of your proposal.

Total compensation for the performance of the abovementioned services shall not exceed the amount of $590,000.00. The Consultant shall inform the Director when the Consultant's compensation reaches 80% of such amount. The time for completion for the additional services is six (6) months from the date of this letter.

The previously authorized total amount for the referenced agreement is increased from $3,062,031 to $3,652,031.

The above referenced agreement remains in full force and effect and the performance of the requested additional services is subject to the terms and conditions of such referenced agreement.

Upon receipt by the Authority of a copy of this letter executed by a principal of your firm, you are authorized to proceed with performance of the requested additional services.



115 Broadway, 10th Floor
New York, NY 10006
T: 212 435 7000

THE PORT AUTHORITY OF NY & NJ

*AKRF, Inc.*

Any questions relating to the performance of the subject services may be directed to Vito Ranieri, at (212) 435-5568.

Sincerely,

Peter Rinaldi, P.E.
Program Director,
WTC Construction Department

Att.

**Accepted:**

Firm's Name: _____ Title: SR. V.P. Date: 5/2/07

**Attachment A, Table 1**

**Labor Hours, Labor Cost and Direct Expenses by Firm**

| Task | Firm: AKRF, Inc. Labor Hours | AKRF, Inc. Labor Cost | Eng-Wong Taub & Associates Labor Hours | Eng-Wong Taub & Associates Labor Cost | Howard/Stein-Hudson Associates Labor Hours | Howard/Stein-Hudson Associates Labor Cost | Total Labor Hours | Total Labor Cost |
|---|---|---|---|---|---|---|---|---|
| I Project Management | | | | | | | | |
| A: Project Coordination | 104 | $ 14,336.48 | 0 | $ - | 12 | $ 1,548.51 | 116 | $ 15,884.99 |
| B: Project Schedule | 56 | 5,548.80 | 0 | - | 0 | - | 56 | 5,548.80 |
| C: Project Workplan | 76 | 9,249.04 | 7 | 852.06 | 0 | - | 83 | 10,101.10 |
| D: Project Meetings | 208 | 28,672.96 | 29 | 3,728.47 | 40 | 6,066.77 | 277 | 38,468.20 |
| TASK I TOTAL | 444 | $ 57,807.28 | 36 | $ 4,580.52 | 52 | $ 7,615.28 | 532 | $ 70,003.08 |
| II Public Participation | | | | | | | | |
| A: Public Involvement Plan | 4 | $ 578.00 | 0 | $ - | 14 | $ 1,801.84 | 18 | $ 2,379.84 |
| B: Project Mailing List | 0 | - | 0 | - | 50 | 4,179.69 | 50 | 4,179.69 |
| C: Technical Advisory Committee Meetings | 36 | 5,087.44 | 0 | - | 168 | 20,711.86 | 204 | 25,799.30 |
| D: Public Information Session | 44 | 5,781.04 | 4 | 484.55 | 132 | 14,367.52 | 180 | 20,633.12 |
| E: Public Hearing | 44 | 5,781.04 | 6 | 834.55 | 132 | 14,367.52 | 182 | 20,983.12 |
| TASK II TOTAL | 128 | $ 17,227.52 | 10 | $ 1,319.11 | 496 | $ 55,428.43 | 634 | $ 73,975.06 |
| III Preliminary Draft Environmental Assessment | | | | | | | | |
| A: Purpose and Need | 64 | $ 8,209.68 | 4 | $ 484.55 | 0 | $ - | 68 | $ 8,694.23 |
| B: Project Alternatives | 64 | 8,209.68 | 12 | 1,514.79 | 0 | - | 76 | 9,724.47 |
| C: Environmental Analysis | | | | | | | 0 | - |
| C1: Analysis Framework | 44 | 5,203.04 | 0 | - | 0 | - | 44 | 5,203.04 |
| C2: Neighborhood Character | 96 | 9,017.84 | 0 | - | 0 | - | 96 | 9,017.84 |
| C3: Cultural Resources | 120 | 14,683.28 | 0 | - | 0 | - | 120 | 14,683.28 |
| C4: Urban Design and Visual Resources | 52 | 6,705.84 | 0 | - | 0 | - | 52 | 6,705.84 |
| C5: Transportation | 36 | 5,087.44 | 810 | 71,198.83 | 0 | - | 846 | 76,286.27 |
| C6: Air Quality | 272 | 27,283.68 | 0 | - | 0 | - | 272 | 27,283.68 |
| C7: Noise and Vibration | 100 | 10,983.04 | 0 | - | 0 | - | 100 | 10,983.04 |
| C8: Infrastructure and Energy | 48 | 4,971.84 | 0 | - | 0 | - | 48 | 4,971.84 |
| C9: Contaminated Materials | 48 | 5,549.84 | 0 | - | 0 | - | 48 | 5,549.84 |
| C10: Natural Resources | 40 | 5,203.04 | 0 | - | 0 | - | 40 | 5,203.04 |
| C11: Construction Impacts | 116 | 15,029.04 | 32 | 3,561.98 | 0 | - | 148 | 18,591.02 |
| D: Cumulative Effects | 120 | 15,723.68 | 20 | 2,295.87 | 0 | - | 140 | 18,019.55 |
| E: Process, Agency Coordination, and Public Participation | 20 | 3,006.64 | 0 | - | 0 | - | 20 | 3,006.64 |
| F: Section 4(f) Evaluation | 72 | 9,481.28 | 0 | - | 0 | - | 72 | 9,481.28 |
| G: Executive Summary | 88 | 11,329.84 | 0 | - | 0 | - | 88 | 11,329.84 |
| H: Report Preparation | 320 | 31,212.00 | 124 | 12,422.89 | 0 | - | 444 | 43,634.89 |
| TASK III TOTAL | 1,720 | $ 196,890.72 | 1,002 | $ 91,478.91 | 0 | $ - | 2,722 | $ 288,369.63 |
| IV Agency Review, Public Reivew, and FONSI | | | | | | | | |
| A: PANYNJ Review | 80 | $ 10,059.28 | 78 | $ 8,234.88 | 0 | $ - | 158 | $ 18,294.16 |
| B: FTA Review | 200 | 25,551.76 | 62 | 6,495.77 | 0 | - | 262 | 32,047.53 |
| C: Publication and Distribution | 72 | 7,051.60 | 0 | - | 32 | 3,034.43 | 104 | 10,086.03 |
| D: Response to Public Comments | 116 | 14,220.88 | 42 | 5,026.85 | 0 | - | 158 | 19,247.73 |
| E: Draft Finding of No Significant Impact | 52 | 6,937.04 | 0 | - | 0 | - | 52 | 6,937.04 |
| TASK IV TOTAL | 520 | $ 63,820.56 | 182 | $ 19,757.49 | 32 | $ 3,034.43 | 734 | $ 86,612.49 |
| V Section 106 Review | | | | | | | | |
| A: Finding of Effects | 52 | $ 6,705.84 | 0 | $ - | 0 | $ - | 52 | $ 6,705.84 |
| B: Memorandum of Agreement | 68 | 9,249.04 | 0 | - | 0 | - | 68 | 9,249.04 |
| C: Section 106 Review Meetings | 40 | 6,013.28 | 0 | - | 150 | 17,519.91 | 190 | 23,533.19 |
| TASK V TOTAL | 160 | $ 21,968.16 | 0 | $ - | 150 | $ 17,519.91 | 310 | $ 39,488.07 |
| Total Labor | 2,972 | $ 357,714.24 | 1,230 | $ 117,816.43 | 730 | $ 83,598.05 | 4,932 | $ 559,128.72 |
| Direct Expenses | | $ 9,000.00 | | $ 4,772.00 | | $ 17,886.00 | 0 | $ 31,658.00 |
| Total Project Cost | | $ 366,714.24 | | $ 122,588.43 | | $ 101,484.05 | 0 | $ 590,786.72 |

**Attachment A, Table 4A**
**Labor Hours and Labor Cost**
**Howard/Stein-Hudson Associates**

| Task | Hours by Labor Category | | | | | | | | | | Direct Labor Cost (Excludes Principals) | Multiplied Labor Cost (Excludes Principals) 2.890 | Principal Labor Cost | Total Cost |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Prin. IX | STP VI | TP V | TP IV | TP III | TP II | TP I | Tech III | Tech I | Total | | | | |
| | $165.61 | $57.11 | $44.65 | $34.45 | $27.23 | $27.03 | $20.95 | $26.18 | $22.79 | | | | | |
| I. Project Management | | | | | | | | | | | | | | |
| A: Project Coordination | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | $ 535.82 | $ 1,548.51 | $ - | $ 1,548.51 |
| B: Project Schedule | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| C: Project Workplan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| D: Project Meetings | 16 | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | 1,071.63 | 3,097.01 | 2,969.76 | 6,066.77 |
| TASK I TOTAL | 16 | 0 | 36 | 0 | 0 | 0 | 0 | 0 | 0 | 52 | $ 1,607.45 | $ 4,645.52 | 2,969.76 | $ 7,615.28 |
| II. Public Participation | | | | | | | | | | | | | | |
| A: Public Involvement Plan | 2 | 0 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 14 | $ 495.02 | $ 1,430.62 | $ 371.22 | $ 1,801.84 |
| B: Project Mailing List | 0 | 0 | 2 | 8 | 0 | 40 | 0 | 0 | 0 | 50 | 1,446.26 | 4,179.69 | - | 4,179.69 |
| C: Technical Advisory Committee Meetings* | 20 | 20 | 48 | 64 | 0 | 0 | 0 | 8 | 8 | 168 | 5,882.23 | 16,999.66 | 3,712.20 | 20,711.86 |
| D: Public Information Session | 16 | 8 | 20 | 32 | 24 | 0 | 0 | 32 | 0 | 132 | 3,943.86 | 11,397.76 | 2,969.76 | 14,367.52 |
| E: Public Hearing | 16 | 8 | 20 | 32 | 24 | 0 | 0 | 32 | 0 | 132 | 3,943.86 | 11,397.76 | 2,969.76 | 14,367.52 |
| TASK II TOTAL | 54 | 36 | 98 | 140 | 48 | 40 | 0 | 72 | 8 | 496 | $ 15,711.24 | $ 45,405.49 | 10,022.94 | $ 55,428.43 |
| III. Preliminary Draft Environmental Assessment | | | | | | | | | | | | | | |
| A: Purpose and Need | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | $ - | $ - | $ - | $ - |
| B: Project Alternatives | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| C: Environmental Analysis | | | | | | | | | | | | | | |
| C1: Analysis Framework | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| C2: Neighborhood Character | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| C3: Cultural Resources | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| C4: Urban Design and Visual Resources | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| C5: Transportation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| C6: Air Quality | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| C7: Noise and Vibration | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| C8: Infrastructure and Energy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| C9: Contaminated Materials | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| C10: Natural Resources | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| C11: Construction Impacts | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| D: Cumulative Effects | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| E: Process, Agency Coordination, and Public Participation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| F: Section 4(f) Evaluation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| G: Executive Summary | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| H: Report Preparation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| TASK III TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | $ - | $ - | $ - | $ - |
| IV. Agency Review, Public Review, and FONSI | | | | | | | | | | | | | | |
| A: PANYNJ Review | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | $ - | $ - | $ - | $ - |
| B: FTA Review | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| C: Publication and Distribution | 0 | 0 | 4 | 20 | 0 | 0 | 0 | 0 | 8 | 32 | 1,049.98 | 3,034.43 | - | 3,034.43 |
| D: Response to Public Comments | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| E: Draft Finding of No Significant Impact | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| TASK IV TOTAL | 0 | 0 | 4 | 20 | 0 | 0 | 0 | 0 | 8 | 32 | $ 1,049.98 | $ 3,034.43 | $ - | $ 3,034.43 |
| V. Section 106 Review | | | | | | | | | | | | | | |
| A: Finding of Effects | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | $ - | $ - | $ - | $ - |
| B: Memorandum of Agreement | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| C: Section 106 Review Meetings | 16 | 16 | 36 | 48 | 0 | 12 | 0 | 10 | 12 | 150 | 5,034.65 | 14,550.15 | 2,969.76 | 17,519.91 |
| TASK V TOTAL | 16 | 16 | 36 | 48 | 0 | 12 | 0 | 10 | 12 | 150 | $ 5,034.65 | $ 14,550.15 | $ 2,969.76 | $ 17,519.91 |
| Total | 86 | 52 | 174 | 208 | 48 | 52 | 0 | 82 | 28 | 730 | $ 23,403.32 | $ 67,635.59 | $ 15,962.46 | $ 83,598.05 |

**Attachment A, Table 4B**
**Direct Expenses**
**Howard/Stein-Hudson Associates**

| Item | Description | Quantity | Unit Cost | Total Cost |
|---|---|---|---|---|
| **Travel** | | | | |
| Transit | Taxi (roundtrip)to Project Meetings | 6 | $ 30.00 | $ 180.00 |
| Rental Cars | For equipment at public mtngs/hrngs | 2 | 120.00 | 240.00 |
| Parking | For equipment at public mtngs/hrngs | 2 | 30.00 | 60.00 |
| **Out-Source Printing** | | | | |
| Public Information Session and Hearing Flyers | 1500 per printing/meeting | 3,000 | $ 1.30 | $ 3,900.00 |
| Letters, Materials to accompany letters, agendas and other | | 3,000 | 0.10 | 300.00 |
| **Mailing** | | | | |
| Meeting Flyer | 2 flyers at 1200 pieces per mailing | 2,400 | $ 0.50 | $ 1,200.00 |
| TAC Meeting Invitation | 1 at 120 pieces per mailing | 120 | 1.80 | 216.00 |
| Distribution of EA Document | 1 at 150 pieces per mailing | 150 | 4.00 | 600.00 |
| Distribution of EA Document on CD | 1 at 300 pieces per mailing | 300 | 0.80 | 240.00 |
| Overnight Delivery | | 10 | 17.00 | 170.00 |
| **Meeting Costs** | | | | |
| Room rentals | 1 Public Information Session & 1 Public Hearing (Assumes meeting locations for the four Section 106 and TAC meetings will be in rooms provided by the PANYNJ | 2 | $ 1,000.00 | $ 2,000.00 |
| Meeting Refreshments | 1 Public Information Session & 1 Public Hearing | 2 | 200.00 | 400.00 |
| Stenographer | 3 Section 106 Meetings & 1 Public Hearing (Assume TAC meetings will not require a stenograher) | 5 | 1,000.00 | 5,000.00 |
| Spanish Translator | 1 Public Information Session & 1 Public Hearing | 2 | 800.00 | 1,600.00 |
| Interpreter | 1 Public Information Session & 1 Public Hearing | 2 | 800.00 | 1,600.00 |
| Communication | Telephone per month | 12 | 15.00 | 180.00 |
| | | | **GRAND TOTAL** | **$ 17,886.00** |

**Note:** PANYNJ will assume the cost of media advertisements for the public meeting
Assumes 800 on Master Mailing List, including 100 Section 106 contacts

**Attachment A, Table 2A**
**Labor Hours and Labor Cost**
**AKRF, Inc.**

| Task | Hours by Labor Category | | | | | | | | | Direct Labor Cost (Excludes Principals) | Multiplied Labor Cost (Excludes Principals) 2.890 | Principal Labor Cost | Total Cost |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Principal $231.46 | Vice Pres. $60.00 | Tech. Director $50.00 | Senior Prof. $40.00 | Prof. II $30.00 | Prof. I $25.00 | Tech. II $30.00 | Tech. I $25.00 | Total | | | | |
| I Project Management | | | | | | | | | | | | | |
| A: Project Coordination | 8 | 0 | 48 | 48 | 0 | 0 | 0 | 0 | 104 | $ 4,320.00 | $ 12,484.80 | $ 1,851.68 | $ 14,336.48 |
| B: Project Schedule | 0 | 0 | 8 | 8 | 0 | 0 | 40 | 0 | 56 | 1,920.00 | 5,548.80 | - | 5,548.80 |
| C: Project Workplan | 4 | 0 | 16 | 40 | 0 | 0 | 16 | 0 | 76 | 2,880.00 | 8,323.20 | 925.84 | 9,249.04 |
| D: Project Meetings | 16 | 0 | 96 | 96 | 0 | 0 | 0 | 0 | 208 | 8,640.00 | 24,969.60 | 3,703.36 | 28,672.96 |
| TASK I TOTAL | 28 | 0 | 168 | 192 | 0 | 0 | 56 | 0 | 444 | $ 17,760.00 | $ 51,326.40 | $ 6,480.88 | $ 57,807.28 |
| II Public Participation | | | | | | | | | | | | | |
| A: Public Involvement Plan | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 4 | $ 200.00 | $ 578.00 | $ - | $ 578.00 |
| B: Project Mailing List | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| C: Technical Advisory Committee Meetings | 4 | 0 | 16 | 16 | 0 | 0 | 0 | 0 | 36 | 1,440.00 | 4,161.60 | 925.84 | 5,087.44 |
| D: Public Information Session | 4 | 0 | 16 | 16 | 0 | 0 | 8 | 0 | 44 | 1,680.00 | 4,855.20 | 925.84 | 5,781.04 |
| E: Public Hearing | 4 | 0 | 16 | 16 | 0 | 0 | 8 | 0 | 44 | 1,680.00 | 4,855.20 | 925.84 | 5,781.04 |
| TASK II TOTAL | 12 | 0 | 52 | 48 | 0 | 0 | 16 | 0 | 128 | $ 5,000.00 | $ 14,450.00 | $ 2,777.52 | $ 17,227.52 |
| III Preliminary Draft Environmental Assessment | | | | | | | | | | | | | |
| A: Purpose and Need | 8 | 0 | 16 | 24 | 8 | 8 | 0 | 0 | 64 | $ 2,200.00 | $ 6,358.00 | $ 1,851.68 | $ 8,209.68 |
| B: Project Alternatives | 8 | 0 | 16 | 24 | 8 | 8 | 0 | 0 | 64 | 2,200.00 | 6,358.00 | 1,851.68 | 8,209.68 |
| C: Environmental Analysis | | | | | | | | | | | | | |
| C1: Analysis Framework | 4 | 0 | 16 | 0 | 16 | 8 | 0 | 0 | 44 | 1,480.00 | 4,277.20 | 925.84 | 5,203.04 |
| C2: Neighborhood Character | 4 | 0 | 8 | 0 | 60 | 24 | 0 | 0 | 96 | 2,800.00 | 8,092.00 | 925.84 | 9,017.84 |
| C3: Cultural Resources | 8 | 16 | 24 | 24 | 24 | 24 | 0 | 0 | 120 | 4,440.00 | 12,831.60 | 1,851.68 | 14,683.28 |
| C4: Urban Design and Visual Resources | 4 | 0 | 8 | 40 | 0 | 0 | 0 | 0 | 52 | 2,000.00 | 5,780.00 | 925.84 | 6,705.84 |
| C5: Transportation | 4 | 0 | 16 | 16 | 0 | 0 | 0 | 0 | 36 | 1,440.00 | 4,161.60 | 925.84 | 5,087.44 |
| C6: Air Quality | 8 | 0 | 24 | 80 | 80 | 80 | 0 | 0 | 272 | 8,800.00 | 25,432.00 | 1,851.68 | 27,283.68 |
| C7: Noise and Vibration | 4 | 8 | 8 | 40 | 0 | 40 | 0 | 0 | 100 | 3,480.00 | 10,057.20 | 925.84 | 10,983.04 |
| C8: Infrastructure and Energy | 4 | 0 | 4 | 0 | 40 | 0 | 0 | 0 | 48 | 1,400.00 | 4,046.00 | 925.84 | 4,971.84 |
| C9: Contaminated Materials | 4 | 4 | 8 | 0 | 32 | 0 | 0 | 0 | 48 | 1,600.00 | 4,624.00 | 925.84 | 5,549.84 |
| C10: Natural Resources | 4 | 0 | 4 | 32 | 0 | 0 | 0 | 0 | 40 | 1,480.00 | 4,277.20 | 925.84 | 5,203.04 |
| C11: Construction Impacts | 4 | 8 | 24 | 80 | 0 | 0 | 0 | 0 | 116 | 4,880.00 | 14,103.20 | 925.84 | 15,029.04 |
| D: Cumulative Effects | 8 | 0 | 32 | 80 | 0 | 0 | 0 | 0 | 120 | 4,800.00 | 13,872.00 | 1,851.68 | 15,723.68 |
| E: Process, Agency Coordination, and Public Participation | 4 | 0 | 8 | 8 | 0 | 0 | 0 | 0 | 20 | 720.00 | 2,080.80 | 925.84 | 3,006.64 |
| F: Section 4(f) Evaluation | 8 | 0 | 24 | 24 | 16 | 0 | 0 | 0 | 72 | 2,640.00 | 7,629.60 | 1,851.68 | 9,481.28 |
| G: Executive Summary | 4 | 0 | 24 | 60 | 0 | 0 | 0 | 0 | 88 | 3,600.00 | 10,404.00 | 925.84 | 11,329.84 |
| H: Report Preparation | 0 | 0 | 24 | 80 | 80 | 0 | 120 | 16 | 320 | 10,800.00 | 31,212.00 | - | 31,212.00 |
| TASK III TOTAL | 92 | 36 | 288 | 612 | 364 | 192 | 120 | 16 | 1,720 | $ 60,760.00 | $ 175,596.40 | $ 21,294.32 | $ 196,890.72 |
| IV Agency Review, Public Reivew, and FONSI | | | | | | | | | | | | | |
| A: PANYNJ Review | 8 | 0 | 24 | 24 | 8 | 8 | 8 | 0 | 80 | $ 2,840.00 | $ 8,207.60 | $ 1,851.68 | $ 10,059.28 |
| B: FTA Review | 16 | 0 | 64 | 80 | 16 | 8 | 16 | 0 | 200 | 7,560.00 | 21,848.40 | 3,703.36 | 25,551.76 |
| C: Publication and Distribution | 0 | 0 | 8 | 24 | 0 | 0 | 16 | 24 | 72 | 2,440.00 | 7,051.60 | - | 7,051.60 |
| D: Response to Public Comments | 8 | 0 | 24 | 60 | 16 | 8 | 0 | 0 | 116 | 4,280.00 | 12,369.20 | 1,851.68 | 14,220.88 |
| E: Draft Finding of No Significant Impact | 4 | 0 | 16 | 32 | 0 | 0 | 0 | 0 | 52 | 2,080.00 | 6,011.20 | 925.84 | 6,937.04 |
| TASK IV TOTAL | 36 | 0 | 136 | 220 | 40 | 24 | 40 | 24 | 520 | $ 19,200.00 | $ 55,488.00 | $ 8,332.56 | $ 63,820.56 |
| V Section 106 Review | | | | | | | | | | | | | |
| A: Finding of Effects | 4 | 0 | 8 | 40 | 0 | 0 | 0 | 0 | 52 | $ 2,000.00 | $ 5,780.00 | $ 925.84 | $ 6,705.84 |
| B: Memorandum of Agreement | 4 | 8 | 16 | 40 | 0 | 0 | 0 | 0 | 68 | 2,880.00 | 8,323.20 | 925.84 | 9,249.04 |
| C: Section 106 Review Meetings | 8 | 0 | 16 | 16 | 0 | 0 | 0 | 0 | 40 | 1,440.00 | 4,161.60 | 1,851.68 | 6,013.28 |
| TASK V TOTAL | 16 | 8 | 40 | 96 | 0 | 0 | 0 | 0 | 160 | $ 6,320.00 | $ 18,264.80 | $ 3,703.36 | $ 21,968.16 |
| Total | 184 | 44 | 684 | 1,168 | 404 | 216 | 232 | 40 | 2,572 | $ 109,040.00 | $ 315,125.60 | $ 42,588.64 | $ 357,714.24 |

**Attachment A, Table 2B**
**Direct Expenses**
**AKRF, Inc.**

| Item | Description | Quantity | Unit Cost | Total Cost |
|---|---|---|---|---|
| **Travel** | | | | |
| PATH | | 0 | $ 3.00 | $ - |
| Subway (Round trip) | | 120 | 4.00 | 480.00 |
| Taxi | | 8 | 10.00 | 80.00 |
| | | | | |
| **Out-Source Printing** | | | | |
| Preliminary Draft EA | | 20 | $ 30.00 | $ 600.00 |
| EA | | 100 | 45.00 | 4,500.00 |
| Other Color Copies | | 1,000 | 1.00 | 1,000.00 |
| Other B&W Copies | | 400 | 0.12 | 48.00 |
| Other (Overnight delivery) | | 10 | 17.00 | 170.00 |
| **Outreach Materials** | | | | |
| Presentation Boards | | 12 | $ 100.00 | $ 1,200.00 |
| Film/Photo Processing | | 4 | $ 15.00 | $ 60.00 |
| CD-ROM Copies | | 100 | $ 6.00 | $ 600.00 |
| **Miscellaneous*** | | | | 262.00 |
| Notes: *Includes Parking, long distance telephone, and postage | | | | |
| | | | **GRAND TOTAL** | **$ 9,000.00** |