

Duffy, Daniel

From: chris@dcmerectors.com
Sent: Wednesday, March 07, 2012 8:30 AM
To: Duffy, Daniel
Cc: Torres Rojas, Genara; Van Duyne, Sheree
Subject: Freedom of Information Online Request Form

Information:

First Name: Chris
Last Name: Koehnken
Company: DCM Erectors
Mailing Address 1: 110 E 42nd Street
Mailing Address 2: Suite 1704
City: New York
State: NY
Zip Code: 10017
Email Address: chris@dcmerectors.com
Phone: 2125991603
Required copies of the records: Yes

List of specific record(s):

World Trade Ceneter TRansportation Hub Contract WTC 234.544 PACC 13 Record of Negotiation File

THE PORT AUTHORITY OF NY & NJ

Daniel D. Duffy
FOI Administrator

February 22, 2013

Mr. Chris Koehnken
DCM Erectors
110 East 42nd Street, Suite 1704
New York, NY 10017

Re: Freedom of Information Reference No. 13049

Dear Mr. Koehnken:

This is a response to your March 7, 2012 request, which has been processed under the Port Authority's Freedom of Information Code (the "Code") for copies of records related to Contract No. WTC 234.544/PACC 13.

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/13049-WTC.pdf>. Paper copies of the available records are available upon request.

Certain material responsive to your request is exempt from disclosure pursuant to exemptions (4) and (5) of the Code.

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

Very truly yours,



Daniel D. Duffy
FOI Administrator

The Port Authority of New York and New Jersey

233 Park Avenue So. 7th Flr, New York, NY 10003

Change Order No. 00057

Facility: World Trade Center
Contract for: Structural Steel To Grade
TO: DCM Erectors, Inc
110 East 42nd Street
New York, NY 10017

CONTRACT NO: WTC-234.544
TITLE: Alternate Crane Scheme
DATE: 2/17/2012

In accordance with the above described contract:

Work Order: PACC No (s): 00013

The following Extra is ordered
The time of completion of the contract is
extended as indicated below
 The following reduction is ordered

The following change is ordered, at no change
in price
 A change is ordered as specifically outlined
below

NOTE TO CONTRACTOR: Please sign original and return to the Port Authority representative whose signature appears in line five(5)

DESCRIPTION OF CHANGE

As directed by the Director, in lieu of the contractual crane layout and durations for Areas 1 and 2 indicated on Phasing Drawing Numbers SK-1 thru SK-15, all dated January 14, 2009, utilize crane layout indicated on "Overall Crane Layout" drawing No. LP-01, dated May 26, 2009, with the following durations:

Furnish, mobilize and demobilize a Manitowoc 18000 crawler crane, for a total duration of (8) months, including all required support cranes, as shown on the Overall Crane Layout Drawing LP-01 dated May 26, 2009.

Furnish a Manitowoc 16000 crawler crane, for a total duration of (8) months, including performing all required existing platform modifications and engineering, as shown on the Overall Crane Layout Drawing LP-01 dated May 26, 2009.

Furnish, mobilize and demobilize two (2) Favco 760 tower cranes, for a total duration of (13) months, including all required support cranes as shown on the Overall Crane Layout drawing LP-01 dated May 26, 2009.

Delete removal and salvaging of the existing crane platform indicated on the contract documents as furnished/installed by others.

Compensation shall be increased by the lump sum amount of \$2,679,681.00.

The undersigned has no authority to order any item of extras whose cost, together with the cost of extras previously ordered, will exceed the limit specified in said Contract unless he has been especially authorized so to do by the Commissioners. In the event that the above extra is in excess of such limit, the order to perform it shall be effective only if the Secretary of Port Authority certifies to the authority of the undersigned to order (See other side.)

Extension of time for completion is granted to the Contractor on account of the changes ordered herein unless otherwise specifically stated above.

FC
Deputy Chief of Capital Planning/
Director, WTC Construction

The Port Authority of New York and New Jersey

233 Park Avenue So. 7th Flr, New York, NY 10003

(Secretary copy)

Change Order No. 00057

CONTRACT NO: WTC-234.544

Facility: World Trade Center

TITLE: Alternate Crane Scheme

Contract for: Structural Steel To Grade

DATE: 2/17/2012

TO: DCM Erectors, Inc
110 East 42nd Street

New York, NY 10017

In accordance with the above described contract:

Work Order: PACC No (s): 00013

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- b) Furnish a Manitowoc 16000 crawler crane, for a total duration of (8) months, including performing all required existing platform modifications and engineering, as shown on the Overall Crane Layout Drawing LP-01 dated May 26, 2009.
- c) Furnish, mobilize and demobilize two (2) Favco 760 tower cranes, for a total duration of (13) months, including all required support cranes as shown on the Overall Crane Layout drawing LP-01 dated May 26, 2009.
- d) Delete removal and salvaging of the existing crane platform indicated on the contract documents as furnished/installed by others.

Compensation shall be increased by the lump sum amount of \$2,679,681.00.

The undersigned has no authority to order any item of extras whose cost, together with the cost of extras previously ordered, will exceed the limit specified in said Contract unless he has been especially authorized so to do by the Commissioners. In the event that the above extra is in excess of such limit, the order to perform it shall be effective only if the Secretary of Port Authority certifies to the authority of the undersigned to order it. (See other side.)

No extension of time for completion is granted to the Contractor on account of the changes ordered herein unless otherwise specifically stated above.

Date _____

 Deputy Chief of Capital Planning/
Director, WTC Construction



THE PORT AUTHORITY OF NY & NJ

Change Order Ledger

*Excludes Credit Changes

Project: Structural Steel To Grade

Job No: WTC-234.544/DCM

Run Date: 2/17/2012

C/O #	Created From PACC #(s)	Change Date	Status	Description	EWA Limit	Approved CO's*	Per Change	Cost Cumulative*	EWA Processed Remaining
Contract Number: WTC-234.544 - Structure to Grade					\$26,400,000.00	\$11,325,721.40			
00001	00001	10/8/2009	APP	Contract 943 - Erection/Deck/Studs			\$1,610,000.00	\$1,610,000.00	\$24,790,000.00
00004	00008	3/23/2010	APP	Road Infill on West Side of Twr #1			\$137,494.40	\$1,747,494.40	\$24,652,505.60
00005	00009	3/19/2010	APP	Electrical Scope at Ptlatforms B & C			\$550,000.00	\$2,297,494.40	\$24,102,505.60
00006	00014	4/23/2010	APP	Jersey Precast Embeds			\$256,024.00	\$2,553,518.40	\$23,846,481.60
00007	00049	11/30/2010	APP	URSSA: Add Welding on ribs/Rib Stf			\$337,663.00	\$2,891,181.40	\$23,508,818.60
00008	00032	8/18/2010	APP	Ream Out Holes in Base Plate*			\$15,739.00	\$2,906,920.40	\$23,493,079.60
00009	00015	8/23/2010	APP	Survey Clns; PIN#D22/D24/D25/D30*			\$478,028.00	\$3,384,948.40	\$23,015,051.60
00010	00028	8/23/2010	APP	1/9 Box Temp Platforms*			\$160,000.00	\$3,544,948.40	\$22,855,051.60
00011	00020	8/23/2010	APP	Addendums #1 & 2 (WTC 214.582)*			\$782,719.00	\$4,327,667.40	\$22,072,332.60
00013	00037	8/23/2010	APP	Beam & Col Sys for Pltfrm A Support*			\$110,075.00	\$4,437,742.40	\$21,962,257.60
00014	00039	8/13/2010	APP	Bulletin #9 - Meml Pavin Beam Suprt*			\$50,678.00	\$4,488,420.40	\$21,911,579.60
00015	00033	3/24/2011	APP	Global Settlement/Acceleration Cost			\$0.00	\$4,488,420.40	\$21,911,579.60
00016	00062	1/7/2011	APP	Addendum #19 - Memorial Out of Seq*			\$268,572.00	\$4,756,992.40	\$21,643,007.60
00017	00069	11/24/2010	APP	Add'l HY Analysis Revd Concrete Seq			\$149,850.00	\$4,906,842.40	\$21,493,157.60
00018	00050	2/28/2011	APP	Out-of-Seq Rf Demo/Stl @Temp Rf/Etc*			\$138,797.00	\$5,045,639.40	\$21,354,360.60
00019	00055	3/7/2011	APP	B-3 Stair Revislons*			\$36,000.00	\$5,081,639.40	\$21,318,360.60
00020	00056	3/7/2011	APP	Repair Dmg Rebar@Emb Plt Alt Steel*			\$15,000.00	\$5,096,639.40	\$21,303,360.60
00021	00044	3/7/2011	APP	Embed Plate on N/S Shearwall*			\$14,443.00	\$5,111,082.40	\$21,288,917.60
00022	00068	3/17/2011	APP	Temp Work Platform Under 1/9 Box *			\$2,600,000.00	\$7,711,082.40	\$18,688,917.60
00023	00067	3/25/2011	APP	Demo Exist. Conduits@Temp Roof*			\$33,863.00	\$7,744,945.40	\$18,655,054.60
00024	00078	3/25/2011	APP	Welding Studs on D19/D25 Girders*			\$73,324.00	\$7,818,269.40	\$18,581,730.60
00025	00052	3/25/2011	APP	Add Shear Studs at AP-1 Line*			\$33,964.00	\$7,852,233.40	\$18,547,766.60
00026	00047	3/25/2011	APP	Rmv EBG Shrng Cols @ 76W/Bracng/ETC*			\$64,000.00	\$7,916,233.40	\$18,483,766.60
00027	00063	4/1/2011	APP	Addendum #22 - Area 1 & 2*			\$804,086.00	\$8,720,319.40	\$17,679,680.60
00028	00070	4/12/2011	APP	DCM PIN X287 - Rev Weld at Columns*			\$22,798.00	\$8,743,117.40	\$17,656,882.60
00029	00072	4/12/2011	APP	Damaged Channel Replacement at D19*			\$16,118.00	\$8,759,235.40	\$17,640,764.60
00030	00076	4/12/2011	APP	HB13 Hoist Beam Upgrade*			\$6,192.00	\$8,765,427.40	\$17,634,572.60
00031	00080	4/12/2011	APP	Slot Baseplates at BS1/D41 Footing*			\$11,810.00	\$8,777,237.40	\$17,622,762.60
00032	00086	4/18/2011	APP	H&H Additional Design Work *			\$423,317.00	\$9,200,554.40	\$17,199,445.60
00033	00058	5/3/2011	APP	Modif. to Plat B & Mezz Framing *			\$424,402.00	\$9,624,956.40	\$16,775,043.60
00034	00089	5/3/2011	APP	Owen #9: Truss Chord Splice Loctns*			\$3,180.00	\$9,628,136.40	\$16,771,863.60
00035	00079	6/10/2011	APP	Slot BPs @ D19 HS and JS Temp Flgs**			\$6,050.00	\$9,634,186.40	\$16,765,813.60
00036	00075	6/13/2011	APP	Supercolumn Studs ILO Headed Bars**			\$145,000.00	\$9,779,186.40	\$16,620,813.60
00037	00074	6/15/2011	APP	Exist. Stl. Connection at D15 Wall*			\$63,800.00	\$9,842,986.40	\$16,557,013.60
00038	00087	6/15/2011	APP	Replacement Shroud at Arch 47*			\$25,869.00	\$9,868,855.40	\$16,531,144.60
00039	00092	6/27/2011	APP	Owen CCP#33: Add Couplers-RFI#1260			\$14,261.00	\$9,883,116.40	\$16,516,883.60
00040	00085	6/29/2011	APP	Temp Egress - General Lighting**			\$89,283.00	\$9,972,399.40	\$16,427,600.60
00041	00088	7/12/2011	APP	Owen #7: Camber Rqmt @ 1-Line Roof**			\$135,300.00	\$10,107,699.40	\$16,292,300.60
00042	00090	7/12/2011	APP	Owen #17: Rev West Truss T2A & T8			\$17,600.00	\$10,125,299.40	\$16,274,700.60
00043	00083	7/20/2011	APP	Field Work Req'd at AP2/D34 Column**			\$17,497.00	\$10,142,796.40	\$16,257,203.60
00044	00108	7/20/2011	APP	Owen #10: Revs to Column C-221A			\$7,700.00	\$10,150,496.40	\$16,249,503.60
00045	00048	8/22/2011	APP	Precast Bearing Asbly; Storage Cost			\$158,318.00	\$10,308,814.40	\$16,091,185.60



THE PORT AUTHORITY OF NY & NJ

Change Order Ledger

*Excludes Credit Changes

Project: Structural Steel To Grade

Job No: WTC-234.544/DCM

Run Date: 2/17/2012

C/O #	Created From PACC #(s)	Change Date	Status	Description	EWA Limit	Approved CO's*	Per Change	Cost Cumulative*	EWA Processed Remaining
Contract Number: WTC-234.544 - Structure to Grade					\$26,400,000.00	\$11,325,721.40			
00046	00061	8/22/2011	APP	Precast C-Ducts Reinforcing			\$448,352.00	\$10,757,166.40	\$15,642,833.60
00047	00104	9/15/2011	APP	Shear Studs at 1-Box Roof Beams			\$165,000.00	\$10,922,166.40	\$15,477,833.60
00048	00109	9/16/2011	APP	Owen CCP#20 - Skewed Couplers			\$35,200.00	\$10,957,366.40	\$15,442,633.60
00049	00094	9/30/2011	APP	New Deformed Bars at AP3**			\$15,000.00	\$10,972,366.40	\$15,427,633.60
00050	00093	9/30/2011	APP	Modify Int Stiff Pl's 116&118K01**			\$55,000.00	\$11,027,366.40	\$15,372,633.60
00051	00106	10/21/2011	APP	SW Supercolumn Mod Conn to Base Pl			\$98,807.00	\$11,126,173.40	\$15,273,826.60
00052	00110	12/8/2011	APP	Precast A Sawcut to Avoid D15 Dowel			\$44,000.00	\$11,170,173.40	\$15,229,826.60
00053	00111	12/8/2011	APP	Drill Holes In SuperColumn Concrete			\$28,000.00	\$11,198,173.40	\$15,201,826.60
00054	00116	12/8/2011	APP	North Tower Crane Demobilization			\$127,548.00	\$11,325,721.40	\$15,074,278.60
00055	00123	2/13/2012	NEW	Erect EBG under Memorial Pav			\$700,000.00	\$12,025,721.40	\$14,374,278.60
00056	00102	2/15/2012	NEW	M18000 Crane Rem Eng - Greenwich St			\$46,967.00	\$12,072,688.40	\$14,327,311.60
00057	00013	2/17/2012	NEW	Alternate Crane Scheme			\$2,679,681.00	\$14,752,369.40	\$11,647,630.60

PACC RECORD OF NEGOTIATION

CONTRACT NO.: WTC- 234

PACC NO.: 13

CONTRACTOR: DCM ELECTORS

DESCRIPTION OF WORK:

ALTERNATE CRANE SCHEME - AREAS 1 & 2

\$9,000,000 NEW SCHEME

(6,563,926) ORIG SCHEME FOR AREAS 1 & 2

\$2,436,074 DIRECT TRADE

I. COST: \$2,679,681 (w/ 10% O&P)

II. IMPACT ON SCHEDULE: N/A

III. IMPACT COSTS: N/A

REMARKS:

- AREA 3 CREDIT IS EXCLUDED (\$2,736,074)
TO BE INCLUDED UNDER A SEP. PACC FOR DIRECT TRADE
- NTC DEMOB ASSIST CRANE & DEMAG IS EXCLUDED
- AREA 3 PERCH CRANE FOR DEMOB IS EXCLUDED
→ EXCLUDED COSTS RELATED TO REMOVAL OF 18000
FROM COLUMBIA ST. (AVAILTY/S/REG.)

The Contractor and the Authority's representatives hereby confirm that the above represents their mutual understanding of the terms agreed upon during this negotiation. This is a record of Negotiation and not a Notice to Proceed. A Change Order/Notice to Proceed shall follow.

Contractor's Representative(s):

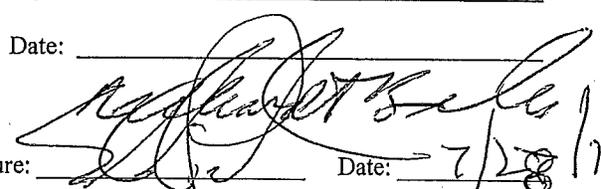
Name: LARRY DAVIS Signature: 

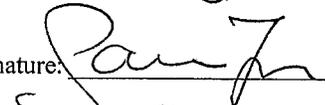
Title: PRESIDENT Date: JULY 28/2011

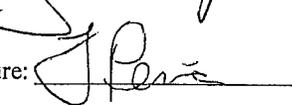
Name: _____ Signature: _____

Title: _____ Date: _____

Port Authority's Representative(s):

Name: FOFANUSA RICK BERNARD Signature:  Date: 7/28/11
Construction Management

Name: SAVERIO LEONE Signature:  Date: 7/28/11
Program Management

Name: FRED PEÑA Signature:  Date: 7/28/11
Procurement

PACC 13 NEGOTIATION MTG
7/21/11

<u>NAME</u>	<u>COMPANY</u>
Ede Barry King	TTJV DCM.
Chris Koehnke	DCM
FRED PEÑA	PA
ED PALMER	PA WTEC
JOE HILLEN	WTCC
SAUERIO LEONE	WTCC

PACC 13 7/22/11
ABT

ED PALMER	ABT
LARRY DAVIS	
SAUERIO LEONE	PA WTCC
FRED PEÑA	PA
JOE HILLEN	WTCC
Chris Koehnke	DCM
Melissa Davis	DCM
Ede	TTJV

4/21/11

PACC B NEGOTIATION # 5

NAME	PHONE	EMAIL
JOE HILLEN	646-294-1072	jhillem@panynj.gov
ED PALMISTO	212-435-5109	EPALMISTO@panynj.gov
MIKE ZIEMK	646-385-1599	mziemk@domerpro.com
CHRIS KOEHLER	917-359-4333	Chris.Dunne@ecm.com
Barry King	212-599-1603	bking@asda.ca
Edna Ho		eho@tcc.com

PACC 13
NEGOTIATION MTG #4
4/5/11

NAME

COMPANY

Eddie H

TTJV

Chris Koehn

DCM

EO PARUSA

PA

Barry King

DCM

FRED PENA

PA

ATTENDANCE

3/23/11

115 BROADWAY 19TH FLOOR CONF RM C
PACC # B NEGOTIATION # 3

<u>NAME</u>	<u>TELEPHONE</u>	<u>EMAIL</u>
JOE HILLEN	646-294-1072	jhillen@panynj.gov
EDDIE H		eh@fccs.com
Chris Kuehler		Chris@demerectors.com
Barry King	212-599-1603	bking@asda.ca
ED DARMER	212-435-2122	

PACC B SCOPE CLARIFICATION
3/1/11

JOE HILLEN
EO PALMER

WTC
PAWOL

EDDIE HO
Barry King
LARRY HOWARD
Chris Koehnken

TTJV
DCM
DCM
DCM

PACC B SCOPE CLARIFICATION
3/1/11

JOE HILLEN
ED PALMER

WTCI
PAWOL

EDDIE HO
Barry King
LARRY HOWERS
Chris Koehnken

TTJV
DCM
DCM
DCM

ATTACHMENT 19

Re: Pacc 13

Ho, Eddie - (SOM)

Sent: Thursday, July 21, 2011 3:02 PM

To: ld@dcmerectors.com

Cc: chris@dcmerectors.com; sleone@panynj.gov; epalmer@panynj.gov; fpena@panynj.gov; jhillen@panynj.gov; bking@asda.ca

Larry - we have scheduled a follow up with you tomorrow 9am. Please attend.

From: Barry King

To: Ho, Eddie - (SOM)

Cc: Larry Davis New York Address ; Christopher Koehnken New York Address

Sent: Thu Jul 21 13:53:53 2011

Subject: Pacc 13

Eddie,

In consideration to settle PACC 13 area 1 and 2 crane scheme, including the time it has taken to get to a final offer we formalize herewith the details:

Added costs	\$10,000,000
Impact costs due to late settlement	\$ 1,000,000
Savings in scheme (shared)	\$ 1,000,000
Credit area 1 and 2 contract	<u>(\$6,500,000)</u>
Total	\$5,500,000
Mark-up	<u>\$ 550,000</u>
Offer to settle	\$6,050,000

Barry King



110 East 42nd Street, Suite 1710
New York, NY
10017
Ph. (212) 599-1603 Fax (212) 599-1615

Rev. 8

June 29th, 2011

Port Authority of New York and New Jersey
115 Broadway-11th Floor
New York, NY 10006

Attention: **Mr. Ed Palmer, PE**
Senior Resident Engineer

Re: World Trade Center Transportation Hub
New York, NY
Port Authority Contract WTC 234.544
DCM Erectors Contract 934
PACC # 13
Rev. 8

Gentlemen:

Please find enclosed our revised proposal for the PACC # 13 for the Alternative Crane Scheme. This proposal is based upon the \$9.3 million credit which has already been agreed to by the Port Authority and DCM Erectors. It also includes the \$545,910 reduction offered by DCM as an act of good faith and principled negotiation. DCM is also requesting a 50/50 split of the savings realized by the Port Authority due to the value engineering offered by DCM which is an industry standard for public projects.

PACC # 13 Area 1 & 2 Alternative Crane Scheme Add	\$	10,111,001.00
PACC # 13 Area 1 & 2 Alternative Crane Scheme Deduct	\$	-6,563,926.00
Total Port Authority Savings Due to DCM Proposed Alt. Crane Scheme	\$	19,240,675.00
DCM's Value Engineering Compensation	\$	9,620,338.00
Grand Total of PACC # 13 Proposal	\$	13,167,142.00

Trusting the above will be satisfactory we will remain. Please contact the undersigned should you require any additional information or clarification.

Yours truly,

DCM Erectors Inc.

Chris Koehnken
Project Manager

The following cost summary outlines savings by the Port Authority
 For items originally to be provided by Phoenix that will no longer be required
 per the revised crane scheme.



1	Platform for Crawler Cranes (Awaiting final details from Hardesty and Hanover)		
	a Engineering	\$	(350,000)
	b Detailing	\$	(200,000)
	c Material supply and Fabrication Approx. 2000 Ton <i>(Budget)</i>	\$	(6,000,000)
	f Wood mats and safety barricades	\$	(150,000)
	d Trucking	\$	(140,000)
	e Installation	\$	(5,900,000)
2	Additional Footings for Crane Ramp <i>(Budget)</i>	\$	(6,000,000)
	20 extra required @ \$300k each		
3	Subtotal	<u>\$</u>	<u>(18,740,000)</u>
4	DCM administration 5%		na
	Total	<u>\$</u>	<u>(18,740,000)</u>
5	Roof Protection <i>(Budget)</i>	\$	(500,000)
	Grand Total	<u>\$</u>	<u>(19,240,675)</u>

Color Legend

- Savings to the Port Authority (work originally contracted to Phoenix)
- Credits due from DCM to the Port (included in DCM base contract)
- Extra costs due to DCM from the Port (not included in DCM base contract)

The following cost summary outlines the items that will be required should the Port Authority accept the alternate crawler/tower crane scheme proposed by DCM Erectors



ALTERNATE CRANE SCHEME

			<u>TTJV Offer</u>
1	16000 Manitowoc		
a	Engineering-Erect-Shapiro See attached Invoices	\$ 10,001	\$10,001
b	Dave Stringer 16000 Crane Perch Engineering See attached Invoices	\$ 33,892	\$33,892
c	ASDA Engineering/Drafting Cost		
	Engineering-\$200/Hr x 40 Hrs	\$ 8,000	\$8,000
	ASDA Drafting-\$100/Hr x 200 Hrs	\$ 20,000	\$20,000
d	8 Additional mats required	\$ 24,000	\$24,000
e	Mats and Sleepers	\$ 69,000	\$69,000
f	Freight for mats and sleepers \$1,200/Load x 13 Loads	\$ 15,600	\$15,600
	Field Labor to Build Ramp/Mats 10 Men x 3 Days x 8 Hrs/Day x \$105/Hr	\$ 25,200	\$25,200
g	Assemble Crane		
	16 Men x 24 Hrs/Day x 2 Days		
	8 Hrs x \$105/Hr	\$840	
	4 Hrs x \$148/Hr	\$592	
	8 hrs x \$141/Hr	\$1,128	
	4 Hrs x \$200.55/Hr	\$802.20	
	Total Daily Cost per Man	\$3,362.20	
	16 Men x \$3,362/Day 2 Days	\$ 107,584	\$0
	Assemble/remove Luffing System-2 Times		
	4 Days x 12 Men x 8 Hours x \$148/Hr	\$ 56,832	\$ 56,832
	4 Days x 12 Men x 4 Hours x \$200.55/Hr	\$ 38,506	\$ 38,506
h	Crane to Assemble 16000 \$60,000/Month/3/4= \$5000/Day x 2 Days	\$ 10,000	\$10,000
i	Transportation to and from Site	\$ 65,000	\$65,000
	Total	\$376,031	\$376,031
2	Assemble North West Tower Crane		
a	Engineering and permits-Erect (erection crane and tower crane) See attached Invoices	\$ 64,339	\$25,000
b	Loading and trucking of tower crane components	\$ 12,000	\$12,000
c	Fabricate tower starter stools	\$ 25,000	\$25,000
d	Erect Tower crane 10 Men x 5 Days x 8 Hrs/Day x \$141/Hr	\$ 56,400	\$56,400
e	Rental of Tower Crane Sections 6 Sections x \$1050/Section/Month x 12 Months	\$ 75,600	\$73,500
f	Premium to Service Tower Cranes vs. Crawler Cranes \$3250/Month x 12 Months	\$ 5,000	\$5,000
	Total	\$ 238,339	\$ 196,900
	Delta	\$ (41,439)	
3	Assemble South West Tower Crane		
a	Engineering and permits-Erect (erection crane and tower crane) See attached Invoices	\$ 64,339	\$25,000
b	Loading and trucking of tower crane components	\$ 12,000	\$12,000

WTC 234.544-World Trade Center Transportation Hub
DCM Erectors June 3, 2009

The following cost summary outlines the items that will be required should the Port Authority accept the alternate crawler tower crane scheme proposed by DCM Erectors

c	Fabricate tower starter stools		\$	25,000	\$25,000
d	Erect Tower crane		\$	56,400	\$56,400
	10 Men x 5 Days x 8 Hrs/Day x \$141/Hr				
e	Rental of Tower Crane Sections		\$	100,800	\$102,900
	8 Sections x \$1050/Section/Month x 12 Months				
f	Premium t Service Tower Cranes vs. Crawler Cranes		\$	5,000	\$5,000
	\$3250/Month x 12 Months				
		Total	\$	263,539	\$ 226,300
		Delta	\$	(37,239)	
4	18000 Manitowoc Crane/W Maxer Package				
a	Trucking to the site-Crane		\$	85,000	\$74,000
	Trucking to the site-Maxer Package		\$	40,000	\$40,000
b	Engineering and Permits For assist cranes and 18,000 Manitowoc-Erect		\$	58,081	\$45,000
	See attachd HAS Invoices				
c	DCM Drafting/Engineering Cost		\$	8,000	\$8,000
	\$100/Hr x 8 Hrs/Day x 10 Days				
d	2 Assist cranes (hydraulic)		\$	50,000	\$50,000
	Link Belt 298-1 Month		\$	50,000	\$50,000
	Dellvery/Removal of Link Belt 298				
	2 Operators x 20 Days x 24 Hrs/Day				
	8 Hrs x \$125/Hr	\$1,000			
	4 Hrs x \$250/Hr	\$1,000			
	12 Hrs x \$250/Hr	\$3,000			
	Total Daily Cost per Man	\$5,000			
	2 Men x \$5,000/Day x 20 Days		\$	200,000	
	Set-up 298				
	12 Men x 24 Hrs/Day x 2 Days				
	8 Hrs x \$105/Hr	\$840			
	4 Hrs x \$148/Hr	\$592			
	8 hrs x \$141/Hr	\$1,128			
	4 Hrs x \$200.55/Hr	\$802.20			
	Total Daily Cost per Man	\$3,362.20			
	12 Men x \$3,362/Day 2 Days		\$	80,688	
e	Manitowoc 14000-1 Month		\$	65,000	By Perini
	Modificaiton of the 14000 to Series 2-April 9th				
	Engineering		\$	11,056	\$1,500
	6 Men x 12 Hrs				
	8 Hrs x \$105/Hr	\$840			
	4 Hrs x \$148/Hr	\$592			
	Total Daily Cost per Man	\$1,432			
	12 Men x 1432		\$	17,184	
	50 Ton Cherry Picker-Daily Rental		\$	5,000	
	2 Operators x 20 Days x 24 Hrs/Day				
	8 Hrs x \$125/Hr	\$1,000			
	4 Hrs x \$250/Hr	\$1,000			
	12 Hrs x \$250/Hr	\$3,000			
	Total Daily Cost per Man	\$5,000			
	2 Men x \$5,000/Day x 20 Days		\$	200,000	By Perini
f	Set-up 18000-April 11th thru April 27th 2010-Around the Clock Operation				
	12 Men x 24 Hrs/Day x 15 Days	4320 Hrs			
	8 Hrs x \$105/Hr	\$840			

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DCM Erectors June 3, 2009

The following cost summary outlines the items that will be required should the Port Authority accept the alternate crawler/tower crane scheme proposed by DCM Erectors:

4 Hrs x \$148/Hr	\$592		
8 hrs x \$141/Hr	\$1,128		
4 Hrs x \$200.55/Hr	\$802.20		
Total Daily Cost per Man	\$3,362.20		
12 Men x \$3,362/Day 15 Days		INCLUDES MAXER SETUP	
		\$	605,160
			\$157,500
		Total \$	1,210,169
		Delta \$	(784,169)
5. Rental of the proposed cranes			
a Manitowoc 16000, 8 months + 10% lost time=9 months @ \$95,000/mo		\$	855,000
		\$	\$ 855,000
b Favco 760, 13 months + 10% lost time= 14 months @\$55,000/mo Thru November 2010		\$	770,000
		\$	\$ 770,000
c Favco 760, 13 months + 10% lost time=14 months @\$55,000/mo Thru March 2011		\$	770,000
		\$	\$ 770,000
d Manitowoc 18000, 8 months + 10% lost time=9 months @ \$185,000/mo		\$	1,665,000
		\$	\$ 1,665,000
e Manitowoc 18000 Maxer Package 8 months + 10% lost time=9 Months @ \$40,000/month		\$	360,000
		\$	\$ 360,000
6 Fabrication of Custom Crane Towers			
a See Attached Breakdown		\$	215,000
			\$215,000
7 Electric/Lighting for Tower Cranes			
See attached Five Star Invoice		\$	20,780
			\$20,780
8 Dismantle Cranes			
a Manitowoc 16000			
16 Men x 48 Hrs x \$149/Hr		WTC1	\$0
Trucking		WTC1	\$0
Engineering		WTC1	\$0
Dismantle Crane Mats/Ramp		WTC1	\$0
10 Men x 3 Days x 8 Hrs/Day x \$105/Hr			
		Total \$	-
		Delta \$	\$0
b Favco 760-North			
12 Men x 60 Hrs x \$149/Hr	\$	107,280	\$107,280
Trucking	\$	12,000	\$12,000
Engineering	\$	64,339	\$25,000
	Total \$	183,619	\$ 144,280
	Delta \$	(39,339)	
c Favco 760-South			
26 Men x 60 Hrs x \$149/Hr	\$	107,280	\$107,280
Trucking	\$	40,000	\$13,200
Engineering	\$	64,339	\$25,000
	Total \$	211,619	\$ 145,480
	Delta \$	(66,139)	
d Manitowoc 18000 Crane/Maxer			
Trucking-Crane	\$	85,000	\$0
Trucking-Maxer	\$	40,000	\$40,000

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DCM Erectors June 3, 2009

The following cost summary outlines the items that will be required should the Port Authority accept the alternate crawler/lower crane scheme proposed by DCM Erectors.

	Engineering	\$	50,000	
	12 Men x 24 Hrs/Day x 15 Days			
	8 Hrs x \$105/Hr	\$840		
	4 Hrs x \$148/Hr	\$592		
	8 hrs x \$141/Hr	\$1,128		
	4 Hrs x \$200.55/Hr	\$802.20		
	Total Daily Cost per Man	\$3,362.20		
	12 Men x \$3,362/Day 15 Days			
	INCLUDES MAXER REMOVAL	\$	605,160	\$78,750
e	Link Belt 298-Assist crane.			
	Engineering	\$	11,056	
	Trucking	\$	65,000	\$50,000
	12 Men x 24 Hrs/Day x 2 Days			
	8 Hrs x \$105/Hr	\$840		
	4 Hrs x \$148/Hr	\$592		
	8 hrs x \$141/Hr	\$1,128		
	4 Hrs x \$200.55/Hr	\$802.20		
	Total Daily Cost per Man	\$3,362.20		
	12 Men x \$3,362/Day 2 Days	\$	80,688	\$27,000
f	Modification of 14000			
	12 Men x 12 Hrs			
	12 Men x \$1432	\$	17,184	\$0
		Total \$	851,904	\$195,750
		Delta \$	(656,154)	
9	Operators and Oillers for Area 1 & 2 Cranes Only			
a	North Tower Crane			
	13 Months x 2 Operators x \$125/Hr x 8 hrs x 5 Days/Week x 4 Weeks/Month	\$	520,000	\$ 520,000
b	South Tower Crane			
	13 Months x 2 Operators x \$125/Hr x 8 hrs x 5 Days/Week x 4 Weeks/Month	\$	520,000	\$ 520,000
c	Manitowoc 16000			
	9 Month x 2 Operators x \$125/Hr x 8 hrs x 5 Days/Week x 4 Weeks/Month	\$	360,000	\$ 360,000
d	Manitowoc 18000			
	9 Month x 4 Operators x \$125/Hr x 8 hrs x 5 Days/Week x 4 Weeks/Month	\$	720,000	\$ 720,000
10	Subtotal	\$	10,111,001	\$8,486,521
		Delta	\$ (1,624,480)	
11	DCM OHP-10%	\$	1,011,100	
Total		\$	11,122,101	



Section I.

The Following Credits are being offered for the Aea 1 & 2 Alternative Crane Scheme

			<u>TTJV Offer</u>
1	Assembly/Dismantle of 2-LR1400 Liebherr Crawler Cranes-Area 1 PATH Crane Bridge		
a	Engineering and Permits	\$ (10,000)	-\$35,000.00
b	Trucking \$1,200/Load x 15 Loads/Crane x 2 Cranes	\$ (36,000)	-\$43,200.00
c	Assembly/Dismantle of Crawlers, 2, LR1400 Liebherr Crawler Cranes 2 Cranes x 12 Men x 15 hrs x \$141/hr x 2	\$ (101,520)	-\$101,520.00
d	Rental for 1 year 2 Cranes x 13 Months x 75,000/Month	\$ (1,950,000)	-\$1,950,000.00
e	Assist Crane		-\$10,000.00
	Total	\$ (2,097,520)	\$ (2,139,720)
	Delta	\$ (42,200)	
2	Assembly/Dismantle of 2-LR1400 Liebherr Crawler Cranes-Area 2		
a	Engineering and Permits	\$ (10,000)	-\$35,000.00
b	Trucking \$1,200/Load x 15 Loads/Crane x 2 Cranes	\$ (36,000)	-\$43,200.00
c	Assembly/Dismantle of Crawlers, 2, LR1400 Liebherr Crawler Cranes 2 Cranes x 12 Men x 15 hrs x \$141/hr x 2	\$ (101,520)	-\$101,520.00
d	Rental for 1 year 2 Cranes x 8 Months x 75,000/Month	\$ (1,200,000)	-\$1,200,000.00
e	Assist Crane		-\$10,000.00
	Total	\$ (1,347,520)	-\$1,389,720.00
	Delta	\$ (42,200)	
3	Removal of Area 1 Crane Bridge/Platform		
a	PATH Hall Roof Crane Runway (From Item # 13 Exhibit 2A)	\$ (1,461,039)	-\$1,461,039.00
b	Less DCM Anticipated OH & P (See attached Breakdown)	\$ 417,440	\$0.00
4	Deduct for Operators & Oilers		
a	Area 1-2 LR 1400's for 13 Months ²⁶ 2 Operators x 2 Cranes x 13 Months x 4 Weeks/Month x 5 Days/Week x 8 Hrs/Day x \$125/Hr	\$ (1,040,000)	-\$1,040,000.00
b	Area 2-2 LR 1400's for 8 Months ¹⁶ 2 Operators x 2 Cranes x 8 Months x 4 Weeks/Month x 5 Days/Week x 8 Hrs/Day x \$125/Hr	\$ (640,000)	-\$640,000.00
	Total PACC # 13 Credit for Area 1 & 2 Less Anticipated Profit	\$ (6,586,079)	-\$6,670,479.00
	Anticipated Profit	\$ 417,440	\$0.00
	Total PACC # 13 Credit for Area 1 & 2	\$ (6,168,639)	-\$6,670,479.00

Section II.

The Following Credit for for Area 3 Cranes and SE Perch/Platform Removal per Base Contract, however this credit is not being offered under PACC.# 13 and is for RECORD ONLY

1	Assembly/Dismantle of 2 LR 1400 Liebherr Crawler Cranes-Area 3 274' Platform
---	---

a	Engineering and Permits	\$	(20,000)	\$	-\$45,000.00
b	Trucking				
	\$1,200/Load x 15 Loads/Crane x 2 Cranes	\$	(36,000)		-\$43,200.00
c	Assembly/Dismantle of Crawlers, 2, LR1400 Liebherr Crawler Cranes				
	2 Cranes x 12 Men x 15 hrs x \$141/hr x 2	\$	(101,520)		-\$101,520.00
d	Rental for 1 year				
	2 Cranes x 7 Months x 75,000/Month	\$	(1,050,000)		-\$1,050,000.00
e	Assist Crane				-\$10,000.00
		Total	\$	(1,207,520)	\$ (1,249,720)
		Delta	\$	(42,200)	

2	Assembly/Dismantle of 1 LF 1400 Liebherr Crawler Crane-Area 3 SE Crane Perch				
a	Engineering and Permits	\$	(10,000)		-\$20,000.00
b	Trucking				
	\$1,200/Load x 15 Loads/Crane x 1 Crane	\$	(18,000)		-\$21,600.00
c	Assembly/Dismantle of Crawlers, 2, LR1400 Liebherr Crawler Cranes				
	1 Crane x 12 Men x 15 hrs x \$141/hr x 2	\$	(50,760)		-\$50,760.00
d	Rental for 6 Months				
	7 Months x \$75,000/Month	\$	(525,000)		-\$525,000.00
e	Assist Crane				-\$10,000.00
		Total	\$	(603,760)	\$ (627,360)
		Delta	\$	(23,600)	

3	Removal of ramps, perch and crawler cranes				
a	Transit Hall SE Perch/Grade Level Access Platform	\$	(292,208)	\$	(292,208)
b	Less DCM Anticipated OH & P (See attached Breakdown)	\$	73,576		

4	Deduct for Operators and Oilers				
a	Area 3-3 LR 1400's for 7 Months				
	2 Operators x 3 Cranes x 7 Months x 4 Weeks/Month x 5 Days/Week x 8 Hrs/Day x \$91.20/Hr	\$	(612,864)		-\$612,864.00
	Total Credit Available for Area 3 Under Future PACC Less Anticipated Profit	\$	(2,716,352)		-\$2,782,152.00
	Anticipated Profit	\$	73,576		\$0.00
	Total Deduct	\$	(9,302,431)		-\$9,452,631.00
	Anticipated Profit	\$	491,016		
	Grand Total	\$	(8,811,415)		-\$9,452,631.00



110 East 42nd Street, Suite 1710
New York, NY
10017
Ph. (212) 599-1603 Fax (212) 599-1615

Rev. 6

March 1st, 2011

Port Authority of New York and New Jersey
115 Broadway-11th Floor
New York, NY 10006

Attention: **Mr. Ed Palmer, PE**
Senior Resident Engineer

Re: World Trade Center Transportation Hub
New York, NY
Port Authority Contract WTC 234.544
DCM Erectors Contract 934
PACC # 13
Rev. 6

Gentlemen:

Please find enclosed our revised proposal for the PACC # 13 for the Alternative Crane Scheme. This proposal has been revised per the Port Authority's request to show the credit's due for the Area 3 Cranes and Removal of the Southeast Crane Perch and Roadside Unloading Bridge. However DCM will not be offering this credit as part of this PACC until the Area 3 Cranes are determined and added back into the scope. This will be required to be part of a separate PACC.

PACC # 13 Area 1 & 2 Alternative Crane Scheme Add	\$	12,008,155
PACC # 13 Area 1 & 2 Alternative Crane Scheme Deduct	\$	-5,878,639
PACC # ?? Area 3 Credit Due for Alt. Crane Scheme	\$	-2,705,672
Work Not required Due to DCM Proposed Alt. Crane Scheme	\$	-17,450,675
Total Port Authority Savings Due to DCM Proposed Alt. Crane Scheme	\$	14,026,831

Trusting the above will be satisfactory we will remain. Please contact the undersigned should you require any additional information or clarification.

Yours truly,

DCM Erectors Inc.

Chris Koehnken
Project Manager

The following cost summary outlines the items that will be required should the Port Authority accept the alternate crawler/tower crane scheme proposed by DCM Erectors



ALTERNATE CRANE SCHEME

1	16000 Manitowoc		
	a Engineering-Erect-Shapiro	\$	10,001
	See attached Invoices		
	b Dave Stringer 16000 Crane Perch Engineering	\$	33,892
	See attached Invoices		
	c ASDA Engineering/Drafting Cost		
	Engineering-\$200/Hr x 40 Hrs	\$	8,000
	ASDA Drafting-\$100/Hr x 200 Hrs	\$	20,000
	d 8 Additional mats required	\$	24,000
	e Mats and Sleepers	\$	69,000
	f Freight for mats and sleepers		
	\$1,200/Load x 13 Loads	\$	15,600
	g Assemble Crane		
	16 Men x 24 Hrs/Day x 2 Days		
	8 Hrs x \$105/Hr	\$840	
	4 Hrs x \$148/Hr	\$592	
	8 hrs x \$141/Hr	\$1,128	
	4 Hrs x \$200.55/Hr	\$802.20	
	Total Daily Cost per Man	\$3,362.20	
	16 Men x \$3,362/Day 2 Days	\$	107,584
	h Crane to Assemble 16000		
	\$60,000/Month/3/4= \$5000/Day x 2 Days	\$	10,000
	i Transportation to and from Site	\$	130,000
2	Assemble North West Tower Crane		
	a Engineering and permits-Erect (erection crane and tower crane)	\$	64,339
	See attached Invoices		
	b Loading and trucking of tower crane components	\$	40,000
	c Fabricate tower starter stools	\$	25,000
	d Erect Tower crane		
	10 Men x 5 Days x 8 Hrs/Day x \$141/Hr	\$	56,400
	e Rental of Tower Crane Sections		
	6 Sections x \$1050/Section/Month x 12 Months	\$	75,600
	f Premium to Service Tower Cranes vs. Crawler Cranes		
	\$3250/Month x 12 Months	\$	39,000
3	Assemble South West Tower Crane		
	a Engineering and permits-Erect (erection crane and tower crane)	\$	64,339
	See attached Invoices		
	b Loading and trucking of tower crane components	\$	40,000
	c Fabricate tower starter stools	\$	25,000
	d Erect Tower crane	\$	56,400
	10 Men x 5 Days x 8 Hrs/Day x \$141/Hr		

WTC 234.544-World Trade Center Transportation Hub
DCM Erectors June 3, 2009

The following cost summary outlines the items that will be required should the Port Authority accept the alternate crawler/tower crane scheme proposed by DCM Erectors.

	e Rental of Tower Crane Sections			
	8 Sections x \$1050/Section/Month x 12 Months	\$		100,800
	f Premium t Service Tower Cranes vs. Crawler Cranes	\$		39,000
	\$3250/Month x 12 Months			
4	18000 Manitowoc Crane/W Maxer Package			
	a Trucking to the site-Crane	\$		85,000
	Trucking to the site-Maxer Package	\$		40,000
	b Engineering and Permits For assist cranes and 18,000 Manitowoc-Erect	\$		58,081
	See attachd HAS Invoices			
	c DCM Drafting/Engineering Cost			
	\$100/Hr x 8 Hrs/Day x 10 Days	\$		8,000
	d 2 Assist cranes (hydraulic)			
	Link Belt 298-1 Month	\$		50,000
	Delivery/Removal of Link Belt 298	\$		100,000
	2 Operators x 20 Days x 24 Hrs/Day			
	8 Hrs x \$125/Hr		\$1,000	
	4 Hrs x \$250/Hr		\$1,000	
	12 Hrs x \$250/Hr		\$3,000	
	Total Daily Cost per Man		\$5,000	
	2 Men x \$5,000/Day x 20 Days	\$		200,000
	e Manitowoc 14000-1 Month	\$		65,000
	Modificaiton of the 14000 to Series 2			
	Engineering	\$		11,056
	12 Men x 12 Hrs			
	12 Men x \$1432/Day	\$		17,184
	2 Operators x 20 Days x 24 Hrs/Day			
	8 Hrs x \$125/Hr		\$1,000	
	4 Hrs x \$250/Hr		\$1,000	
	12 Hrs x \$250/Hr		\$3,000	
	Total Daily Cost per Man		\$5,000	
	2 Men x \$5,000/Day x 20 Days	\$		200,000
	f Set-up 18000			
	12 Men x 24 Hrs/Day x 15 Days			
	8 Hrs x \$105/Hr		\$840	
	4 Hrs x \$148/Hr		\$592	
	8 hrs x \$141/Hr		\$1,128	
	4 Hrs x \$200.55/Hr		\$802.20	
	Total Daily Cost per Man		\$3,362.20	
	12 Men x \$3,362/Day 15 Days		INCLUDES MAXER SETUP	\$ 605,160
5	Rental of the proposed cranes			
	a Manitowoc 16000, 8 months + 10% lost time=9 months @ \$95,000/mo	\$		855,000
	b Favco 760, 13 months + 10% lost time= 14 months @\$55,000/mo	\$		770,000
	Thru November 2010			
	c Favco 760, 13 months + 10% lost time=14 months @\$55,000/mo	\$		770,000

WTC 234,544-World Trade Center Transportation Hub
DCM Erectors June 3, 2009

The following cost summary outlines the items that will be required should the Port Authority accept the alternate crawler tower crane scheme proposed by DCM Erectors.

Thru March 2011			
	d Manitowoc 18000, 8 months + 10% lost time=9 months @\$185,000/mo	\$	1,665,000
	e Manitowoc 18000 Maxer Package 8 months + 10% lost time=9 Months @ \$40,000/month	\$	360,000
6	Fabrication of Custom Crane Towers		
	a See Attached Breakdown	\$	472,946
7	Electric/Lighting for Tower Cranes		
	See attached Five Star Invoice	\$	20,780
8	Dismantle Cranes		
	a Manitowoc 16000		
	16 Men x 48 Hrs x \$149/Hr	\$	114,432
	Trucking	\$	65,000
	Engineering	\$	25,000
	b Favco 760-North		
	12 Men x 60 Hrs x \$149/Hr	\$	107,280
	Trucking	\$	40,000
	Engineering	\$	96,509
	c Favco 760-South		
	26 Men x 60 Hrs x \$149/Hr	\$	232,440
	Trucking	\$	40,000
	Engineering	\$	96,509
	d Manitowoc 18000 Crane/Maxer		
	Trucking-Crane	\$	85,000
	Trucking-Maxer	\$	40,000
	12 Men x 24 Hrs/Day x 15 Days		
	8 Hrs x \$105/Hr	\$840	
	4 Hrs x \$148/Hr	\$592	
	8 hrs x \$141/Hr	\$1,128	
	4 Hrs x \$200.55/Hr	\$802.20	
	Total Daily Cost per Man	\$3,362.20	
	12 Men x \$3,362/Day 15 Days	INCLUDES MAXER REMOVAL	\$ 605,160
	e Link Belt 298-Assist crane		
	Engineering	\$	11,056
	Trucking	\$	65,000
	12 Men x 24 Hrs/Day x 2 Days		
	8 Hrs x \$105/Hr	\$840	
	4 Hrs x \$148/Hr	\$592	
	8 hrs x \$141/Hr	\$1,128	
	4 Hrs x \$200.55/Hr	\$802.20	
	Total Daily Cost per Man	\$3,362.20	
	12 Men x \$3,362/Day 2 Days	\$	80,688
	f Modification of 14000		

WTC 234.544-World Trade Center Transportation Hub
DCM Erectors June 3, 2009

The following cost summary outlines the items that will be required should the Port Authority accept the alternate crawler/tower crane scheme proposed by DCM Erectors

	12 Men x 12 Hrs		
	12 Men x \$1432	\$	17,184
9	Operators and Oilers for Area 1 & 2 Cranes Only		
	a North Tower Crane		
	12 Months x 2 Operators x \$125/Hr x 8 hrs x 5 Days/Week x 4 Weeks/Month	\$	480,000
	b South Tower Crane		
	12 Months x 2 Operators x \$125/Hr x 8 hrs x 5 Days/Week x 4 Weeks/Month	\$	480,000
	c Manitowoc 16000		
	9 Month x 2 Operators x \$125/Hr x 8 hrs x 5 Days/Week x 4 Weeks/Month	\$	360,000
	d Manitowoc 18000		
	9 Month x 2 Operators x \$125/Hr x 8 hrs x 5 Days/Week x 4 Weeks/Month	\$	360,000
10	Subtotal	\$	10,808,420
11	DCM OHP-10%	\$	1,080,842
12	Subtotal	\$	11,889,262
13	Insurance-1%	\$	118,893
	Total	\$	12,008,155

Color Legend

Savings to the Port Authority (work originally contracted to Phoenix)

Credits due from DCM to the Port (included in DCM base contract)

Extra costs due to DCM from the Port (not included in DCM base contract)



Section I.

The Following Credits are being offered for the Aea 1 & 2 Alternative Crane Scheme

1	Assembly/Dismantle of 2-LR1400 Liebherr Crawler Cranes-Area 1 PATH Crane Bridge	
a	Engineering and Permits	\$ (10,000)
b	Trucking \$1,200/Load x 15 Loads/Crane x 2 Cranes	\$ (36,000)
c	Assembly/Dismantle of Crawlers, 2, LR1400 Liebherr Crawler Cranes 2 Cranes x 12 Men x 15 hrs x \$141/hr x 2	\$ (101,520)
d	Rental for 1 year 2 Cranes x 12 Months x 75,000/Month	\$ (1,800,000)
2	Assembly/Dismantle of 2-LR1400 Liebherr Crawler Cranes-Area 2	
a	Engineering and Permits	\$ (20,000)
b	Trucking \$1,200/Load x 15 Loads/Crane x 2 Cranes	\$ (36,000)
c	Assembly/Dismantle of Crawlers, 2, LR1400 Liebherr Crawler Cranes 2 Cranes x 12 Men x 15 hrs x \$141/hr x 2	\$ (101,520)
d	Rental for 1 year 2 Cranes x 7 Months x 75,000/Month	\$ (1,050,000)
3	Removal of Area 1 Crane Bridge/Platform	
a	PATH Hall Roof Crane Runway (From Item # 13 Exhibit 2A)	\$ (1,461,039)
b	Less DCM Anticipated OH & P (See attached Breakdown)	\$ 417,440
4	Deduct for Operators & Oilers	
a	Area 1-2 LR 1400's for 13 Months 2 Operators x 2 Cranes x 13 Months x 4 Weeks/Month x 5 Days/Week x 8 Hrs/Day x \$125/Hr	\$ (1,040,000)
b	Area 2-2 LR 1400's for 8 Months 2 Operators x 2 Cranes x 8 Months x 4 Weeks/Month x 5 Days/Week x 8 Hrs/Day x \$125/Hr	\$ (640,000)
	Total PACC # 13 Credit for Area 1 & 2	\$ (5,878,639)

Section II.

The Following Credit for for Area 3 Cranes and SE Perch/Platform Removal per Base Contract, however this credit is not being offered under PACC # 13 and is for RECORD ONLY

1	Assembly/Dismantle of 2 LR 1400 Liebherr Crawler Cranes-Area 3 274' Platform		
	a Engineering and Permits	\$	(20,000)
	b Trucking		
	\$1,200/Load x 15 Loads/Crane x 2 Cranes	\$	(36,000)
	c Assembly/Dismantle of Crawlers, 2, LR1400 Liebherr Crawler Cranes		
	2 Cranes x 12 Men x 15 hrs x \$141/hr x 2	\$	(101,520)
	d Rental for 1 year		
	2 Cranes x 6 Months x 75,000/Month	\$	(900,000)
2	Assembly/Dismantle of 1 LF 1400 Liebherr Crawler Crane-Area 3 SE Crane Perch		
	a Engineering and Permits	\$	(20,000)
	b Trucking		
	\$1,200/Load x 15 Loads/Crane x 1 Crane	\$	(18,000)
	c Assembly/Dismantle of Crawlers, 2, LR1400 Liebherr Crawler Cranes		
	2 Cranes x 12 Men x 15 hrs x \$141/hr x 2	\$	(101,520)
	d Rental for 6 Months		
	6 Months x \$75,000/Month	\$	(450,000)
3	Removal of ramps, perch and crawler cranes		
	a Transit Hall SE Perch/Grade Level Access Platform	\$	(292,208)
	b Less DCM Anticipated OH & P (See attached Breakdown)	\$	73,576
4	Deduct for Operators and Oillers		
	Area 3-3 LR 1400's for 7 Months		
	2 Operators x 3 Cranes x 7 Months x 4 Weeks/Month x 5 Days/Week x 8 Hrs/Day x \$125/Hr	\$	(840,000)
	<u>Total Credit Available for Area 3 Under Future PACC</u>	\$	(2,705,672)



110 East 42nd Street, Suite 1710
New York, NY
10017
Ph. (212) 599-1603 Fax (212) 599-1615

Rev.5

February 22nd, 2011

Port Authority of New York and New Jersey
115 Broadway-11th Floor
New York, NY 10006

Attention: **Mr. Ed Palmer, PE**
Senior Resident Engineer

Re: World Trade Center Transportation Hub
New York, NY
Port Authority Contract WTC 234.544
DCM Erectors Contract 934
PACC # 13
Rev. 5

Gentlemen:

Please find enclosed our revised proposal for the alternative crane scheme. This proposal has been revised per the Port Authority request to show the credit's due for the Area 3 Cranes and Removal of the Southeast Crane Perch and Roadside Unloading Bridge. However DCM will not be offering this credit as part of this PACC until the Area 3 Cranes are determined and added back into the scope. This will be required to be part of a separate PACC.

PACC # 13 Area 1 & 2 Crane Additional Scheme Cost	\$ 5,178,571.00
PACC # ?? Area 3 Crane Scheme Additional Cost-Credit Due	\$ -1,737,232.00

Trusting the above will be satisfactory we will remain. Please contact the undersigned should you require any additional information or clarification.

Yours truly,

DCM Erectors Inc.

Chris Koehnken
Project Manager

Cc Larry Davis
Cc Barry King

The following cost summary outlines the items that will be required should the Port Authority accept the alternate crawler/tower crane scheme proposed by DCM Erectors



ALTERNATE CRANE SCHEME

1	16000 Manitowoc		
a	Engineering-Erect-Shapiro See attached Invoices	\$	10,001
b	Dave Stringer 16000 Crane Perch Engineering See attached Invoices	\$	33,892
b	8 Additional mats required	\$	24,000
c	Mats and Sleepers	\$	69,000 <i>up</i>
d	Freight for mats and sleepers \$1,200/Load x 13 Loads	\$	15,600 <i>up</i>
e	Assemble Crane 14 Men x 3 Days 16 Hrs/Day x \$145/Hr	\$	97,440
f	Transportation to and from Site	\$	130,000
2	Assemble North West Tower Crane		
a	Engineering and permits-Erect (erection crane and tower crane) See attached Invoices	\$	64,339
b	Loading and trucking of tower crane components	\$	40,000
c	Fabricate tower starter stools	\$	25,000
d	Erect Tower crane 10 Men x 5 Days x 8 Hrs/Day x \$141/Hr	\$	56,400
e	Rental of Tower Crane Sections 6 Sections x \$1050/Section/Month x 12 Months	\$	75,600 <i>up</i>
f	Premium to Service Tower Cranes vs. Crawler Cranes \$3250/Month x 12 Months	\$	39,000 <i>up</i>
3	Assemble South West Tower Crane		
a	Engineering and permits-Erect (erection crane and tower crane) See attached Invoices	\$	64,339
b	Loading and trucking of tower crane components	\$	40,000
c	Fabricate tower starter stools	\$	25,000
d	Erect Tower crane 10 Men x 5 Days x 8 Hrs/Day x \$141/Hr	\$	56,400
e	Rental of Tower Crane Sections 8 Sections x \$1050/Section/Month x 12 Months	\$	100,800 <i>up</i>
f	Premium to Service Tower Cranes vs. Crawler Cranes \$3250/Month x 12 Months	\$	39,000 <i>up</i>
4	18000 Manitowoc C/W Maxer Package		
a	Trucking to the site-Crane	\$	85,000
	Trucking to the site-Maxer Package	\$	40,000

WTC 234.544-World Trade Center Transportation Hub
DCM Erectors June 3, 2009

The following cost summary outlines the items that will be required should the Port Authority accept the alternate crawler/tower crane scheme proposed by DCM Erectors.

b	Engineering and Permits For assist cranes and 18,000 Manitowoc-Erect See attachd HAS Invoices	\$ 58,081
c	DCM Drafting/Engineering Cost \$100/Hr x 8 Hrs/Day x 10 Days	\$ 8,000
d	2 Assist cranes (hydraulic) Link Belt 298-1 Month	\$ 50,000
	Manitowoc 14000-1 Month	\$ 65,000
e	Set-up 18000 12 Men x 14 hrs/Day x 10 Days x \$141/Hr	\$ 236,880
5	Rental of the proposed cranes	
a	Manitowoc 16000, 8 months + 10% lost time=9 months @ \$95,000/mo	\$ 855,000
b	Favco 760, 12 months + 10% lost time= 13 months @\$55,000/mo Thru November 2010	\$ 715,000
c	Favco 760, 12 months + 10% lost time=13 months @\$55,000/mo Thru March 2011	\$ 715,000
d	Manitowoc 18000, 8 months + 10% lost time=9 months @\$185,000/mo	\$ 1,665,000
e	Manitowoc 18000 Maxer Package 8 months + 10% lost time=9 Months @ \$40,000/month	\$ 360,000
6	Fabrication of Custom Crane Towers	
a	See Attached Breakdown	\$ 472,946
7	Electric/Lighting for Tower Cranes	
	See attached Five Star Invoice	\$ 20,780
8	Dismantle Cranes (includes Freight costs)	
a	Manitowoc 16000 12 Men x 56 Hrs x \$149/Hr	\$ 100,128
	Trucking	\$ 65,000
	Engineering	\$ 25,000
b	Favco 760-North 12 Men x 60 Hrs x \$149/Hr	\$ 107,280
	Trucking	
	Engineering	\$ 96,509
c	Favco 760-South 26 Men x 60 Hrs x \$149/Hr	\$ 232,440
	Trucking	
	Engineering	\$ 96,509
d	Manitowoc 18000 Crane 12 Men x 24 hrs/Day x 10 Days x \$149/Hr	\$ 429,120
	298/14000 Assist Crane \$6250/Day x 10 Days	\$ 62,500

WTC 234.544-World Trade Center Transportation Hub
DCM Erectors June 3, 2009

The following cost summary outlines the items that will be required should the Port Authority accept the alternate crawler/tower crane scheme proposed by DCM Erectors

	Trucking	\$	85,000
	Engineering	\$	116,162
e	Manitowoc 18000 Maxer Package		
	12 Men x 24 Hrs/Day x 3 Days X \$149/Hr	\$	128,736
	Trucking	\$	40,000
9	Subtotal	\$	7,936,882
10	DCM Administration-5%	\$	396,844
11	Subtotal	\$	8,333,726
12	DCM OHP-10%	\$	833,373
13	Subtotal	\$	9,167,099
14	Insurance-1%	\$	91,671
	Total	\$	9,258,770

Color Legend

Savings to the Port Authority (work originally contracted to Phoenix)

Credits due from DCM to the Port (included in DCM base contract)

Extra costs due to DCM from the Port (not included in DCM base contract)



1	Assembly of 2-LR1400 Liebherr Crawler Cranes-Area 1 PATH Crane Bridge		
a	Engineering and Permits	\$	(10,000)
b	Trucking \$1,200/Load x 15 Loads/Crane x 2 Cranes	\$	(36,000)
c	Assembly of Crawlers, 2, LR1400 Liebherr Crawler Cranes 2 Cranes x 10 Men x 15 hrs x \$141/hr	\$	(42,300)
d	Rental for 1 year 2 Cranes x 12 Months x 75,000/Month	\$	(1,800,000)
2	Assembly of 2-LR1400 Liebherr Crawler Cranes-Area 2		
a	Engineering and Permits	\$	(20,000)
b	Trucking \$1,200/Load x 15 Loads/Crane x 2 Cranes	\$	(36,000)
c	Assembly of Crawlers, 2, LR1400 Liebherr Crawler Cranes 2 Cranes x 10 Men x 15 hrs x \$141/hr	\$	(42,300)
d	Rental for 1 year 2 Cranes x 7 Months x 75,000/Month	\$	(1,050,000)
3	Assembly of 2 LR 1400 Liebherr Crawler Cranes-Area 3 274' Platform		
a	Engineering and Permits	\$	(20,000)
b	Trucking \$1,200/Load x 15 Loads/Crane x 2 Cranes	\$	(36,000)
c	Assembly of Crawlers, 2, LR1400 Liebherr Crawler Cranes 2 Cranes x 10 Men x 15 hrs x \$141/hr	\$	(42,300)
d	Rental for 1 year 2 Cranes x 6 Months x 75,000/Month	\$	(900,000)
4	Assembly of 1 LF 1400 Liebherr Crawler Crane-Area 3 SE Crane Perch		
a	Engineering and Permits	\$	(10,000)
b	Trucking \$1,200/Load x 15 Loads/Crane x 1 Crane	\$	(18,000)
c	Assembly of Crawlers, 2, LR1400 Liebherr Crawler Cranes 2 Cranes x 10 Men x 15 hrs x \$141/hr	\$	(42,300)
d	Rental for 6 Months 6 Months x \$75,000/Month	\$	(450,000)
5	Removal of ramps, perch and crawler cranes		
a	PATH Hall Roof Crane Runway (From Item # 13 Exhibit 2A)	\$	(1,461,039)
b	Less DCM Anticipated OH & P (See attached Breakdown)	\$	417,440
c	Transit Hall SE Perch/Grade Level Access Platform	\$	(292,208)
d	Less DCM Anticipated OH & P (See attached Breakdown)	\$	73,576

The following cost summary outlines savings by the Port Authority.
 For items originally to be provided by Phoenix that will no longer be required
 per the revised crane scheme.



1	Platform for Crawler Cranes (Awaiting final details from Hardesty and Hanover)		
	a Engineering	\$	(350,000)
	b Detailing	\$	(100,000)
	c Material supply and Fabrication Approx. 1000 Ton (<i>Budget</i>)	\$	(3,000,000)
	d Wood mats and safety barricades	\$	(150,000)
	e Trucking	\$	(70,000)
	f Installation	\$	(2,950,000)
2	Assembly of Perch		
	a Engineering Design and Drawings	\$	(50,000)
	b Material supply and Fabrication Approx. 125 Ton	\$	(375,000)
	c Wood mats and safety barricades	\$	(80,000)
	d Trucking	\$	(45,000)
	e Installation	\$	(75,000)
3	Additional Footings for Crane Ramp (<i>Budget</i>)	\$	(1,000,000)
	10 extra required @ \$100k each		
4	Subtotal	<u>\$</u>	<u>(8,225,000)</u>
5	DCM administration 5%		na
	Total	\$	(8,225,000)
6	100k crane platform	\$	(500,000)
	Grand Total	\$	(8,725,000)

Color Legend

-  Savings to the Port Authority (work originally contracted to Phoenix)
-  Credits due from DCM to the Port (included in DCM base contract)
-  Extra costs due to DCM from the Port (not included in DCM base contract)



110 East 42nd Street, Suite 1710
New York, NY
10017
Ph. (212) 599-1603 Fax (212) 599-1615

Rev. 4

February 9, 2011

Port Authority of New York and New Jersey
115 Broadway-11th Floor
New York, NY 10006

Attention: **Mr. Ed Palmer, PE**
Senior Resident Engineer

Re: World Trade Center Transportation Hub
New York, NY
Port Authority Contract WTC 234.544
DCM Erectors Contract 934
PACC # 13
Rev. 4

Gentlemen:

Please find enclosed our revised proposal for the alternative crane scheme. This proposal has been revised by removing the credit for the original cranes in Area 3 as well as for the South East Perch and road platform.

\$ 4,709,543.00

Trusting the above will be satisfactory we will remain. Please contact the undersigned should you require any additional information or clarification.

Yours truly,

DCM Erectors Inc.

Chris Koehnken
Project Manager

Cc Larry Davis
Cc Barry King

The following cost summary outlines the items that will be required should the Port Authority accept the alternate crawler/tower crane scheme proposed by DCM Erectors



ALTERNATE CRANE SCHEME

1	16000 Manitowoc		
	a Engineering-Erect-Shapiro	\$	10,001
	See attached Invoices		
	b 16000 Crane Perch	\$	33,892
	See attached Invoices		
	b 8 Additional mats required	\$	24,000
	c Mats and Sleepers	\$	20,000
	d Freight for mats and sleepers		
	\$1,200/Load x 8 Loads	\$	9,600
	e Assemble Crane		
	14 Men x 3 Days 16 Hrs/Day x \$145/Hr	\$	97,440
	f Transportation to and from Site	\$	130,000
2	Assemble North West Tower Crane		
	a Engineering and permits-Erect (erection crane and tower crane)	\$	64,339
	See attached Invoices		
	b Loading and trucking of tower crane components	\$	40,000
	c Fabricate tower starter stools	\$	25,000
	d Erect Tower crane		
	10 Men x 5 Days x 8 Hrs/Day x \$141/Hr	\$	56,400
3	Assemble South West Tower Crane		
	a Engineering and permits-Erect (erection crane and tower crane)	\$	64,339
	See attached Invoices		
	b Loading and trucking of tower crane components	\$	40,000
	c Fabricate tower starter stools	\$	25,000
	d Erect Tower crane	\$	56,400
	10 Men x 5 Days x 8 Hrs/Day x \$141/Hr		
4	18000 Manitowoc C/W Maxer Package		
	a Trucking to the site-Crane	\$	85,000
	Trucking to the site-Maxer Package	\$	40,000
	b Engineering and Permits For assist cranes and 18,000 Manitowoc-Erect	\$	58,081
	See attachd HAS Invoices		
	c DCM Drafting/Engineering Cost		
	\$100/Hr x 8 Hrs/Day x 10 Days	\$	8,000
	d 2 Assist cranes (hydraulic)		
	Link Belt 298-1 Month	\$	50,000
	Manitowoc 14000-1 Month	\$	65,000
	e Set-up 18000		

The following cost summary outlines the items that will be required should the Port Authority accept the alternate crawler/tower crane scheme proposed by DCM Erectors

	12 Men x 14 hrs/Day x 10 Days x \$141/Hr	\$	236,880
5	Rental of the proposed cranes		
a	Manitowoc 16000, 8 months + 10% lost time=9 months @ \$95,000/mo	\$	855,000
b	Favco 760, 12 months + 10% lost time= 13 months @\$55,000/mo Thru November 2010	\$	715,000
c	Favco 760, 12 months + 10% lost time=13 months @\$55,000/mo Thru March 2011	\$	715,000
d	Manitowoc 18000, 8 months + 10% lost time=9 months @\$185,000/mo	\$	1,665,000
e	Manitowoc 18000 Maxer Package 8 months + 10% lost time=9 Months @ \$40,000/month	\$	360,000
6	Fabrication of Custom Crane Towers		
a	North Tower-6 Sections-South Tower 8 Sections See Attached Breakdown	\$	472,946
7	Electric/Lighting for Tower Cranes		
	See attached Five Star Invoice	\$	20,780
8	Dismantle Cranes (includes Freight costs)		
a	Manitowoc 16000 12 Men x 56 Hrs x \$149/Hr	\$	100,128
	Trucking	\$	65,000
	Engineering	\$	25,000
b	Favco 760-North 12 Men x 60 Hrs x \$149/Hr	\$	107,280
	Trucking	\$	96,509
	Engineering	\$	96,509
c	Favco 760-South 26 Men x 60 Hrs x \$149/Hr	\$	232,440
	Trucking	\$	96,509
	Engineering	\$	96,509
d	Manitowoc 18000 Crane 12 Men x 24 hrs/Day x 10 Days x \$149/Hr	\$	429,120
	298/14000 Assist Crane \$6250/Day x 10 Days	\$	62,500
	Trucking	\$	85,000
	Engineering	\$	116,162
e	Manitowoc 18000 Maxer Package 12 Men x 24 Hrs/Day x 3 Days X \$149/Hr	\$	128,736
	Trucking	\$	40,000
9	Subtotal	\$	7,627,482

The following cost summary outlines the items that will be required should the Port Authority accept the alternate crawler/tower crane scheme proposed by DCM Erectors

10	DCM Administration-5%	\$	381,374
11	Subtotal	\$	8,008,856
12	DCM OHP-10%	\$	800,886
Total		\$	8,809,742

Color Legend

Savings to the Port Authority (work originally contracted to Phoenix)

Credits due from DCM to the Port (included in DCM base contract)

Extra costs due to DCM from the Port (not included in DCM base contract)

The following cost summary outlines the items that will not be required that DCM has included in the base contract.



1	Assembly of 2-LR1400 Liebherr Crawler Cranes-Area 1 PATH Crane Bridge		
a	Engineering and Permits	\$	(25,000)
b	Trucking \$1,200/Load x 15 Loads/Crane x 2 Cranes	\$	(36,000)
c	Assembly of Crawlers, 2, LR1400 Liebherr Crawler Cranes 2 Cranes x 10 Men x 15 hrs x \$141/hr	\$	(42,300)
d	Rental for 1 year 2 Cranes x 12 Months x 75,000/Month	\$	(1,800,000)
2	Assembly of 2-LR1400 Liebherr Crawler Cranes-Area 2		
a	Engineering and Permits	\$	(25,000)
b	Trucking \$1,200/Load x 15 Loads/Crane x 2 Cranes	\$	(36,000)
c	Assembly of Crawlers, 2, LR1400 Liebherr Crawler Cranes 2 Cranes x 10 Men x 15 hrs x \$141/hr	\$	(42,300)
d	Rental for 1 year 2 Cranes x 7 Months x 75,000/Month	\$	(1,050,000)
3	Removal of ramps, perch and crawler cranes		
	PATH Hall Roof Crane Runway (From Item # 13 Exhibit 2A)	\$	(1,461,039)
	Less DCM Anticipated Overhead & Profit (See Attache Breakdown)	\$	417,440

Total \$ **(4,100,199)**

The following cost summary outlines savings by the Port Authority
 For items originally to be provided by Phoenix that will no longer be required
 per the revised crane scheme



1	Platform for Crawler Cranes (Awaiting final details from Hardesty and Hanover)	
	a Engineering	\$ (350,000)
	b Detailing	\$ (100,000)
	c Material supply and Fabrication Approx. 1000 Ton <i>(Budget)</i>	\$ (3,000,000)
	f Wood mats and safety barricades	\$ (150,000)
	d Trucking	\$ (70,000)
	e Installation	\$ (2,950,000)
2	Assembly of Perch	
	a Engineering Design and Drawings	\$ (50,000)
	b Material supply and Fabrication Approx. 125 Ton	\$ (375,000)
	c Wood mats and safety barricades	\$ (60,000)
	d Trucking	\$ (45,000)
	e Installation	\$ (75,000)
3	Additional Footings for Crane Ramp <i>(Budget)</i>	
	10 extra required @ \$100k each	\$ (1,000,000)
4	Subtotal	<u><u>\$ (8,225,000)</u></u>
5	DCM administration 5%	na
	Total	<u><u>\$ (8,225,000)</u></u>
6	100k crane platform	\$ (500,000)
	Grand Total	<u><u>\$ (8,725,675)</u></u>

Color Legend

Savings to the Port Authority (work originally contracted to Phoenix)

 Credits due from DCM to the Port (included in DCM base contract)

 Extra costs due to DCM from the Port (not included in DCM base contract)



DCM Erectors
 77 Belfield Road, Suite 100
 Etobicoke, Ontario, Canada M9W 1G6
 Phone: (416) 241-6967
 Fax: (416) 241-3239

934-WTC PKG.20 TRANSMITTAL

DCM-PACC

e-mail: jhiltz@asda.ca Cell: 416-707-1023

Transmitted To	Date: 30-Aug-10
The Port Authority of NYNJ Attn: Ed Palmer 115 Broadway - 7th Floor New York, NY 10006 Tel: 212 443 5583	Our Contract No.: 934, 935, 936
	Your Submission No.: 99999-0298
	Spec # 99999 Pkg. #0298
	Transmitted Via: FED EX
	Submitted By: JASON HILTZ
The drawings listed below: ONE COPY <input checked="" type="checkbox"/> Are enclosed with this letter <input type="checkbox"/> Have been mailed to you under separate cover <input type="checkbox"/> Are herewith handed to you by messenger	The drawings listed below are: <input checked="" type="checkbox"/> For your approval Please return 1 copy marked "APPROVED" or "APPROVED AS NOTED" <input type="checkbox"/> For use at job. <input type="checkbox"/> For your records

Item #	Drawing Number	Revision Number	Description	Remarks
1	DCM PACC 13	2	DCM - PACC #13	FOR APPROVAL
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RECEIVED
 AUG 31 2010
 DCM-10-00163



110 East 42nd Street, Suite 1710
New York, NY
10017
Ph. (212) 599-1603 Fax (212) 599-1615

Rev. 2

August 30, 2010

Port Authority of New York and New Jersey
115 Broadway-11th Floor
New York, NY 10006

Attention: **Mr. Ed Palmer, PE**
Senior Resident Engineer

Re: World Trade Center Transportation Hub
New York, NY
Port Authority Contract WTC 234.544
DCM Erectors Contract 934
PACC # 13

Gentlemen:

Please find enclosed our revised proposal for the alternative crane scheme

\$ 2,055,733.00

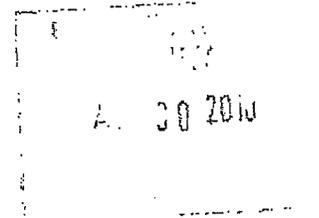
Trusting the above will be satisfactory we will remain. Please contact the undersigned should you require any additional information or clarification.

Yours truly,

DCM Erectors Inc.

Chris Koehnken
Project Manager

Cc Larry Davis
Cc Barry King



The following cost summary outlines the items that will be required should the Port Authority accept the alternate crawler/tower crane scheme proposed by DCM Erectors



ALTERNATE CRANE SCHEME

1	16000 Manitowoc		
	a Engineering	\$	15,000
	c 8 Additional mats required	\$	24,000
	d Mats and Sleepers	\$	20,000
	e Freight for mats and sleepers \$1,200/Load x 8 Loads	\$	9,600
3	Assemble North West Tower Crane		
	a Engineering and permits (erection crane and tower crane)	\$	45,000
	c Loading and trucking of tower crane components	\$	40,000
	f Fabricate tower starter stools	\$	25,000
	g Erect Tower crane 10 Men x 5 Days x 8 Hrs/Day x \$141/Hr	\$	56,400
4	Assemble South West Tower Crane		
	a Engineering and permits (erection crane and tower crane)	\$	45,000
	c Loading and trucking of tower crane components	\$	40,000
	f Fabricate tower starter stools	\$	25,000
	g Erect Tower crane 10 Men x 5 Days x 8 Hrs/Day x \$141/Hr	\$	56,400
5	18000 Manitowoc C/W Maxer Package		
	a trucking in 72 Loads x \$1,200/Load	\$	86,400
	b Engineering and Permits For assist cranes and 18,000 Manitowoc	\$	60,000
	c 2 Assist cranes (hydraulic) Link Belt 298-1 Month	\$	50,000
	Manitowoc 14000-1 Month	\$	65,000
	e Set-up 18000		

WTC 234.544-World Trade Center Transportation Hub
DCM Erectors June 3, 2009

The following cost summary outlines the items that will be required should the Port Authority accept the alternate crawler/tower crane scheme proposed by DCM Erectors

	12 Men x 14 hrs/Day x 10 Days x \$141/Hr	\$	236,880
6	Rental of the proposed cranes		
	a Manitowoc 16000, 8 months + 10% lost time=9 months @ \$90,000/mo	\$	810,000
	b Favco 760, 12 months + 10% lost time= 13 months @\$64,000/mo Thru November 2010	\$	832,000
	c Favco 760, 12 months + 10% lost time=13 months @\$64,000/mo Thru March 2011	\$	832,000
	d Manitowoc 18000, 8 months + 10% lost time=9 months @\$265,000/mo	\$	2,385,000
7	Fabrication of Custom Crane Towers		
	North Tower-6 Sections	\$	150,000
	South Tower-8 Sections	\$	200,000
8	Dismantle Cranes (includes Freight costs)		
	a Manitowoc 16000	\$	225,000
	b Favco 760	\$	125,000
	c Favcov 760	\$	145,000
	d Manitowoc 18000	\$	512,200
9	Subtotal	\$	6,962,280
10	DCM Administration-5%	\$	348,114
11	Subtotal	\$	7,310,394
12	DCM OHP-10%	\$	731,039
	Total	\$	8,041,433

Color Legend

Savings to the Port Authority (work originally contracted to Phoenix)

Credits due from DCM to the Port (included in DCM base contract)

Extra costs due to DCM from the Port (not included in DCM base contract)



2	Assembly of 2-LR1400 Liebherr Crawler Cranes		
a	Engineering and Permits	\$	(25,000)
b	Trucking \$1,200/Load x 15 Loads/Crane x 2 Cranes	\$	(36,000)
c	Assembly of Crawlers, 2, LR1400 Liebherr Crawler Cranes 2 Cranes x 10 Men x 15 hrs x \$141/hr	\$	(42,300)
d	Rental for 1 year 2 Cranes x 12 Months x 75,000/Month	\$	(1,800,000)
4	Perch Crane Installation, 1-LR1400 Liebherr Crawler Crane		
a	Engineering and Permits	\$	(25,000)
b	Trucking Crane parts \$1,200/Load x 15 Loads	\$	(18,000)
c	Assembly of Crawler, 1, LR1400 Liebherr Crawler Crane 10 Men x 15 hrs x \$141/hr	\$	(21,150)
d	Rental for 6 months 6 Months x \$75,000/Month	\$	(450,000)
5	Transit Hall Cranes, 2-LR1400 Liebherr Crawler Cranes		
a	Engineering and Permits	\$	(25,000)
b	Trucking \$1,200/Load x 15 Loads/Crane x 2 Cranes	\$	(36,000)
c	Assembly of Crawlers, 2, LR1400 Liebherr Crawler Cranes 2 Cranes x 10 Men x 15 hrs x \$141/hr	\$	(42,300)
d	Rental for 6 Months 2 Cranes x 6 Months x 75,000/Month	\$	(900,000)
8	Removal of ramps, perch and crawler cranes		
	Crane Dismantle		
	Ramp, 2, LR1400	\$	(174,500)
	Transit Hall, 2, LR1400	\$	(174,500)
	Perch, 1, LR1400	\$	(93,500)
	Ramp and Perch Removal	\$	(2,122,450)

Color Legend



110 East 42nd Street, Suite 1710
New York, NY
10017
Ph. (212) 599-1603 Fax (212) 599-1615

Rev. 3

September 28, 2010

Port Authority of New York and New Jersey
115 Broadway-11th Floor
New York, NY 10006

Attention: **Mr. Ed Palmer, PE**
Senior Resident Engineer

Re: World Trade Center Transportation Hub
New York, NY
Port Authority Contract WTC 234.544
DCM Erectors Contract 934
PACC # 13

Gentlemen:

Please find enclosed our revised proposal for the alternative crane scheme

\$ 4,178,183.00

Trusting the above will be satisfactory we will remain. Please contact the undersigned should you require any additional information or clarification.

Yours truly,

DCM Erectors Inc.

A handwritten signature in black ink, appearing to read "Chris Koehnken", is written over a light-colored background.

Chris Koehnken
Project Manager

Cc Larry Davis
Cc Barry King

The following cost summary outlines the items that will be required should the Port Authority accept the alternate crawler/tower crane scheme proposed by DCM Erectors.



ALTERNATE CRANE SCHEME

1	16000 Manitowoc		
	a Engineering	\$	15,000
	c 8 Additional mats required	\$	24,000
	d Mats and Sleepers	\$	20,000
	e Freight for mats and sleepers		
	\$1,200/Load x 8 Loads	\$	9,600
3	Assemble North West Tower Crane		
	a Engineering and permits (erection crane and tower crane)	\$	45,000
	c Loading and trucking of tower crane components	\$	40,000
	f Fabricate tower starter stools	\$	25,000
	g Erect Tower crane		
	10 Men x 5 Days x 8 Hrs/Day x \$141/Hr	\$	56,400
4	Assemble South West Tower Crane		
	a Engineering and permits (erection crane and tower crane)	\$	45,000
	c Loading and trucking of tower crane components	\$	40,000
	f Fabricate tower starter stools	\$	25,000
	g Erect Tower crane	\$	56,400
	10 Men x 5 Days x 8 Hrs/Day x \$141/Hr		
5	18000 Manitowoc C/W Maxer Package		
	a trucking in		
	72 Loads x \$1,200/Load	\$	86,400
	b Engineering and Permits For assist cranes and 18,000 Manitowoc	\$	60,000
	c 2 Assist cranes (hydraulic)		
	Link Belt 298-1 Month	\$	50,000
	Manitowoc 14000-1 Month	\$	65,000
	e Set-up 18000		

WTC 234.544-World Trade Center Transportation Hub
DCM Erectors June 3, 2009

The following cost summary outlines the items that will be required should the Port Authority accept the alternate crawler/tower crane scheme proposed by DCM Erectors

	12 Men x 14 hrs/Day x 10 Days x \$141/Hr	\$	236,880
6	Rental of the proposed cranes		
	a Manitowoc 16000, 8 months + 10% lost time=9 months @ \$90,000/mo	\$	810,000
	b Favco 760, 12 months + 10% lost time= 13 months @\$64,000/mo Thru November 2010	\$	832,000
	c Favco 760, 12 months + 10% lost time=13 months @\$64,000/mo Thru March 2011	\$	832,000
	d Manitowoc 18000, 8 months + 10% lost time=9 months @\$265,000/mo	\$	2,385,000
7	Fabrication of Custom Crane Towers		
	North Tower-6 Sections	\$	150,000
	South Tower-8 Sections	\$	200,000
8	Dismantle Cranes (includes Freight costs)		
	a Manitowoc 16000	\$	225,000
	b Favco 760	\$	125,000
	c Favcov 760	\$	145,000
	d Manitowoc 18000	\$	512,200
9	Subtotal	\$	6,962,280
10	DCM Administration-5%	\$	348,114
11	Subtotal	\$	7,310,394
12	DCM OHP-10%	\$	731,039
	Total	\$	8,041,433

Color Legend

Savings to the Port Authority (work originally contracted to Phoenix)

Credits due from DCM to the Port (Included in DCM base contract)

Extra costs due to DCM from the Port (not included in DCM base contract)



2	Assembly of 2-LR1400 Liebherr Crawler Cranes		
a	Engineering and Permits	\$	(25,000)
b	Trucking		
	\$1,200/Load x 15 Loads/Crane x 2 Cranes	\$	(36,000)
c	Assembly of Crawlers, 2, LR1400 Liebherr Crawler Cranes		
	2 Cranes x 10 Men x 15 hrs x \$141/hr	\$	(42,300)
d	Rental for 1 year		
	2 Cranes x 12 Months x 75,000/Month	\$	(1,800,000)
4	Perch Crane Installation, 1-LR1400 Liebherr Crawler Crane		
a	Engineering and Permits	\$	(25,000)
b	Trucking Crane parts		
	\$1,200/Load x 15 Loads	\$	(18,000)
c	Assembly of Crawler, 1, LR1400 Liebherr Crawler Crane		
	10 Men x 15 hrs x \$141/hr	\$	(21,150)
d	Rental for 6 months		
	6 Months x \$75,000/Month	\$	(450,000)
5	Transit Hall Cranes, 2-LR1400 Liebherr Crawler Cranes		
a	Engineering and Permits	\$	(25,000)
b	Trucking		
	\$1,200/Load x 15 Loads/Crane x 2 Cranes	\$	(36,000)
c	Assembly of Crawlers, 2, LR1400 Liebherr Crawler Cranes		
	2 Cranes x 10 Men x 15 hrs x \$141/hr	\$	(42,300)
d	Rental for 6 Months		
	2 Cranes x 6 Months x 75,000/Month	\$	(900,000)
8	Removal of ramps, perch and crawler cranes		
	Crane Dismantle		
	Ramp, 2, LR1400	\$	(174,500)
	Transit Hall, 2, LR1400	\$	(174,500)
	Perch, 1, LR1400	\$	(93,500)

(b) [REDACTED]

Color Legend



110 East 42nd Street, Suite 1710
New York, NY
10017
Ph. (212) 599-1603 Fax (212) 599-1615

June 3, 2009

Port Authority of New York and New Jersey
115 Broadway-11th Floor
New York, NY 10006

Attention: **Mr. Ed Palmer, PE**
Senior Resident Engineer

Re: World Trade Center Transportation Hub
New York, NY
Port Authority Contract WTC 234.544
DCM Erectors Contract 934 X003

Gentlemen:

Further to our meeting and discussions with respect the alternate crane scheme on Thursday, May 28th, 2009 we have finalized our costs analysis as follows:

The savings that can be offered to eliminate the crawler crane platform, perch and concrete footings (per attached)	\$ (18,400,000)
The additional costs for the alternate crane scheme (per attached)	<u>\$ 11,000,000</u>
Savings	\$ 7,400,000

We have also included our site plan and crane layout drawing, LP_01 for your review.

Trusting the above will be satisfactory we will remain. Please contact the undersigned should you require any additional information or clarification.

Yours truly,
DCM Erectors Inc.

Barry King Digitally signed by Barry King
DN: CN = Barry King, C = CA, O = DCM
Date: 2009.06.03 19:23:49 -0400

Senior Project Manager

Cc Larry Davis

The following cost summary outlines the items that will not be required should the Port Authority accept the alternate crawler/tower crane scheme proposed by DCM Erectors.



PER CONTRACT

1	Platform for Crawler Cranes (Awaiting final details from Hardesty and Hanover)		
	a Engineering	\$	350,000
	b Detailing	\$	100,000
	c Material supply and Fabrication Approx. 1000 Ton <i>(Budget) PCJU</i>	\$	3,000,000
	f Wood mats and safety barricades	\$	150,000
	d Trucking	\$	70,000
	e Installation	\$	2,950,000
			<i>6,620,000</i>
2	Assembly of 2-LR1400 Liebherr Crawler Cranes		
	a Engineering and Permits	\$	25,000
	b Trucking	\$	50,000
	c Assembly of Crawlers, 2, LR1400 Liebherr Crawler Cranes	\$	112,000
	d Rental for 1 year	\$	2,112,000 ?
3	Assembly of Perch		
	a Engineering Design and Drawings	\$	50,000
	b Material supply and Fabrication Approx. 125 Ton <i>PCJU</i>	\$	375,000
	c Wood mats and safety barricades	\$	60,000
	d Trucking	\$	45,000
	e Installation	\$	75,000
4	Perch Crane Installation, 1-LR1400 Liebherr Crawler Crane		
	a Engineering and Permits	\$	25,000
	b Trucking Crane parts	\$	25,000
	c Assembly of Crawler, 1, LR1400 Liebherr Crawler Crane	\$	56,000
	d Rental for 6 months	\$	528,000
5	Transit Hall Cranes, 2-LR1400 Liebherr Crawler Cranes		
	a Engineering and Permits	\$	25,000
	b Trucking	\$	50,000
	c Assembly of Crawlers, 2, LR1400 Liebherr Crawler Cranes	\$	112,000
	d Rental for 6 months	\$	1,056,000
	e Crane paths	\$	400,000
6	Additional Footings for Crane Ramp (Budget)	\$	300,000
	10 extra required @ \$30k each		

contract

ITEM
 2 - 2 LR1400 - 1 yr
 2 - LR1400 1 yr
 4 - 3 LR1400 - 6 mo
 5 - 4 LR1400 6 mo
 5 - 1 LR1400 6 mo
 2 1/2 yr = 39 mo

WTC 234.544-World Trade Center Transportation Hub
DCM Erectors, June 3, 2009

The following cost summary outlines the items that will not be required should the Port Authority accept the alternate crawler/tower crane scheme proposed by DCM Erectors

7	Removal of ramps, perch and crawler cranes		
a	Crane Dismantle		
b	Ramp, 2, LR1400	\$	174,500
c	Transit Hall, 2, LR1400	\$	174,500
d	Perch, 1, LR1400	\$	93,500
8	Ramp and Perch Removal	\$	2,600,000
9	Subtotal	\$	<u>15,143,500</u>
10	DCM administration 5%	\$	757,175
	Total	\$	<u>15,900,675</u>
11	Roof Protection (<i>Budget</i>)	\$	2,000,000?
12	100k crane platform	\$	500,000
	Grand Total	\$	<u>18,400,000</u>

The following cost summary outlines the items that will be required should the Port Authority accept the alternate crawler/tower crane scheme proposed by DCM Erectors



ALTERNATE CRANE SCHEME

1	16000 Manitowoc		
	a Engineering	\$	15,000
	b Additional rent to workcrane more than standard rental agreement	\$	180,000
	c 8 Additional mats required	\$	24,000
	d Mats and Sleepers	\$	20,000
	e Freight for mats ans sleepers	\$	10,000
2	Move over and back daily from WTC 1		
	a 2 hours each day, before and after working hours night	\$	95,000
3	Assemble North West Tower Crane		
	a Engineering and permits (erection crane and tower crane)	\$	45,000
	b Rental of 250 ton mobile crane to erect tower crane	\$	35,000
	c Loading and trucking of tower crane components	\$	40,000
	d Crane base-layout and excavate to rock (<i>budget</i>)	\$	40,000
	e Crane base-Drill and install rock anchors (<i>budget</i>)	\$	50,000
	f Fabricate tower starter stools and supply anchor rods/hardware	\$	36,000
	g Erect Tower crane	\$	120,000
4	Assemble South West Tower Crane		
	a Engineering and permits (erection crane and tower crane)	\$	45,000
	b Rental of 250 ton mobile crane to erect tower crane	\$	35,000
	c Loading and trucking of tower crane components	\$	40,000
	d Crane base-layout and excavate to rock (<i>budget</i>)	\$	40,000
	e Crane base-Drill and install rock anchors (<i>budget</i>)	\$	50,000
	f Fabricate tower starter stools and supply anchor rods/hardware	\$	36,000
	g Erect Tower crane	\$	120,000
5	18000 Manitowoc C/W Maxer Package		
	a trucking in	\$	100,000
	b Engineering and Permits For assist cranes and 18,000 Manitowoc	\$	60,000
	c 2 Assist cranes (hydraulic)	\$	80,000
	d Matting and Foundation for 18000 (<i>budget</i>)	\$	200,000
	e Set-up 18000	\$	187,200

1 16000 manitowoc 9 mos
 2 tower crane N 13 mo
 3 tower crane S 13 mo 1
 4 18000 manitowoc 9 mo
 44 mos

WTC 234.544-World Trade Center Transportation Hub
DCM Erectors June 3, 2009

The following cost summary outlines the items that will be required should the Port Authority accept the alternate crawler/tower crane scheme proposed by DCM Erectors

6	Rental of the proposed cranes		
	a Manitowoc 16000, 8 months + 10% lost time=9 months @ \$90,000/mo ✓	\$	810,000
	b Favco 760, 12 months + 10% lost time= 13 months @\$64,000/mo ✓	\$	832,000
	c Favco 760, 12 months + 10% lost time=13 months @\$64,000/mo ✓	\$	832,000
	d Manitowoc 18000, 8 months + 10% lost time=9 months @\$245,000/mo ✓	\$	2,205,000
7	Truss Support for East Box Girder-Hardesty and Hanover		
	a Engineering	\$	350,000
	b Detailing	\$	75,000
	c Material supply and Fabrication Approx. 400 Ton (<i>Budget</i>)	\$	1,200,000
	f Work platform & safety barricades	\$	40,000
	d Trucking	\$	30,000
	e Installation	\$	750,000
			2,445,000
8	Dismantle Cranes (includes Freight costs)		
	a Manitowoc 16000	\$	225,000
	b Favco 760	\$	125,000
	c Favcov 760	\$	145,000
	d Manitowoc 18000	\$	512,200
9	Dismantle Platform	\$	700,000
10	Footings, 16 required	\$	480,000
9	Subtotal	\$	10,460,400
10	DCM administration 5%	\$	523,020
	Total	\$	11,000,000

BY DMF24

PCL XL error

Subsystem: GE

Error: InternalOverflow or InsufficientMemory

Operator: LineRelPath

Position: 62677



THE PORT AUTHORITY OF NY & NJ

World Trade Center Construction
115 Broadway 7th Floor
New York, NY 10006

Phone: 212-435-5604
Fax: 212-435-5609

November 29, 2011

Mr. Barry King
DCM Erectors, Inc.
110 East 42nd Street, Room 1710
New York, NY 10017

**SUBJECT: CONTRACT WTC-234.544
WTC TRANSPORTATION HUB
REVISED REQUEST FOR QUOTATION – PACC #13**

Dear Mr. King:

Attached is the Revised Request for Quotation for the referenced PACC. Please submit detailed cost breakdowns.

If you have any questions, call me at 212-435-5104.

Sincerely,

for Ed Palmer
Resident Engineer
WTC Transportation Hub

Cc: file

Port Authority of New York & New Jersey
Engineering Department

To: DCM Erectors, Inc
110 East 42nd Street

New York, NY 10017

Copy:

Request For Proposal

Contract No.	WTC-234.544
Station Constructn/Structure To Grade	

Change No.	PACC No. 00013 REVISED
------------	-------------------------------

Please Submit an Itemized Proposal For The Change as Detailed Below.

TYPE:

DESCRIPTION OF CHANGE

As directed by the Director, in lieu of the contractual crane layout and durations for Areas 1 and 2 indicated on Phasing Drawing Numbers SK-1 thru SK-15, all dated January 14, 2009, utilize crane layout indicated on "Overall Crane Layout" drawing No. LP-01, dated May 26, 2009, with the following durations:

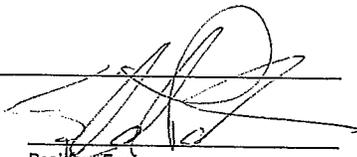
- a) Furnish, mobilize and demobilize a Manitowoc 18000 crawler crane, for a total duration of (8) months, including all required support cranes, as shown on the Overall Crane Layout Drawing LP-01 dated May 26, 2009.
- b) Furnish a Manitowoc 16000 crawler crane, for a total duration of (8) months, including performing all required existing platform modifications and engineering, as shown on the Overall Crane Layout Drawing LP-01 dated May 26, 2009.
- c) Furnish, mobilize and demobilize two (2) Favco 760 tower cranes, for a total duration of (13) months, including all required support cranes as shown on the Overall Crane Layout drawing LP-01 dated May 26, 2009.
- d) Delete removal and salvaging of the existing crane platform indicated on the contract documents as furnished/installed by others.

DRAWINGS & SPECIFICATIONS

Drawing LP-01, dated May 26, 2009

Please Submit Proposal To:

Port Authority of NY & NJ
115 Broadway
7th Floor
New York, NY 10006


Resident Engineer

Date 11/21/11

This does not constitute an Authorization, approval or commitment by the Port Authority to modify the Contract as described above. Itemized proposal shall include material, quantities and unit material costs: crew sizes, man days, and unit labor costs all separate Subcontractor and General Contractor markups.



THE PORT AUTHORITY OF NY & NJ

World Trade Center Construction
115 Broadway 6th Floor
New York, NY 10006

Phone: 212-435-5604
Fax: 212-435-5609

January 15, 2010

Mr. Barry King
DCM Erectors, Inc.
110 East 42nd Street, Room 1710
New York, N.Y. 10017

**SUBJECT: W.T.C. TRANSPORTATION HUB-CONTRACT WTC-234.544-
REQUEST FOR QUOTATION – PACC 13**

Dear Mr. King,

Attached is the Request for Quotation for the referenced PACC. Please submit detailed cost breakdowns.

If you have any questions call me at 212-313-5104.

Sincerely,

for Ed Palmer
Resident Engineer
WTC Transportation Hub

Cc: file



THE PORT AUTHORITY OF NY & NJ

World Trade Center Construction
115 Broadway 6th Floor
New York, NY 10006

Phone: 212-435-5604
Fax: 212-435-5609

January 15, 2010

Mr. Barry King
DCM Erectors, Inc.
110 East 42nd Street, Room 1710
New York, N.Y. 10017

**SUBJECT: W.T.C. TRANSPORTATION HUB-CONTRACT WTC-234.544-
REQUEST FOR QUOTATION – PACC 13**

Dear Mr. King,

Attached is the Request for Quotation for the referenced PACC. Please submit detailed cost breakdowns.

If you have any questions call me at 212-313-5104.

Sincerely,

for Ed Palmer
Resident Engineer
WTC Transportation Hub

Cc: file

JST AWARD CONTRACT CHANGE

To: Ed Palmer

Date 7/12/2010

From

- Design
- Construction
- Line

Contract No.	WTC-234.544
Structure to Grade	
PACC No.	00013

DESCRIPTION OF CHANGE

As directed by the Director, in lieu of the contractual crane layout and durations indicated on Phasing Drawing Numbers SK-1 thru SK-15, all dated January 14, 2009, utilize crane layout indicated on "Overall Crane Layout" drawing No. LP-01, dated May 26, 2009, with the following durations:

- a) Furnish, mobilize and demobilize a Manitowoc 18000 crawler crane, for a total duration of (8) months, including all required support cranes, as shown on the Overall Crane Layout Drawing LP-01 dated May 26, 2009.
- b) Furnish a Manitowoc 16000 crawler crane, for a total duration of (8) months, including performing all required existing platform modifications and engineering, as shown on the Overall Crane Layout Drawing LP-01 dated May 26, 2009.
- c) Furnish, mobilize and demobilize two (2) Favco 760 tower cranes, for a total duration of (13) months, including all required support cranes as shown on the Overall Crane Layout drawing LP-01 dated May 26, 2009.
- d) Delete removal and salvaging of the existing crane platform indicated on the contract documents as furnished/installed by others.

Note: Hours of work to be in accordance with the contract documents.

REASON FOR CHANGE

Due to a change in the contractual crane means and methods for construction of the permanent PATH Station, which indicated the use of a crawler crane on top of a steel frame crane-way above Platform "A", two crawler cranes directly adjacent to the East side of the 1/9 box, one support crane off of a perch along Church Street and another on a perch adjacent to the South side of the EW connector, and in an attempt to expedite the work and minimize disruptions to the daily operation of the Station, Program Management agreed to adopt the new crane scheme depicted on drawing LP-01, rev 0, dated May 2, 2009, as proposed by the contractor. Therefore the PA is entitled to a credit for the cost differential between the contractual crane means and methods and the new crane scheme.

DRAWINGS & SPECIFICATIONS

Drawing LP-01, dated May 26, 2009

Approved:	
_____ PROJECT MANAGER	_____ Date

Engineering Estimate:		PACC Original	PACC Revised	C/O #
Orig (\$2,376,930.00)	Chief Engineer Auth	\$26,400,000.00		N/A
Rev _____	Deputy Director, Construction	\$26,400,000.00		
Contractor Proposal	C/Os Issued	\$11,128,581.40		
Orig \$7,400,000.00	Pending PACCs	\$29,011,707.00		N/A
Rev _____	This PACC	(\$2,376,930.00)		N/A
	Total Committed	\$40,140,288.40		
	Balance Remaining	(\$13,740,288.40)		

LEVEL

ORIGINAL

AUTHORIZED SIGNATURES

REVISED

ALL

	DATE		DATE
RESIDENT ENGINEER		RESIDENT ENGINEER	
	DATE		DATE
PROCUREMENT		PROCUREMENT	
	DATE		DATE
EOC / SR PROGRAM MANAGER		EOC / SR PROGRAM MANAGER	
	DATE		DATE
Over 100,000 PROCUREMENT MANAGER, WTCC PROJECT		PROCUREMENT MANAGER, WTCC PROJECT	
	DATE		DATE
DEPUTY CHIEF OF CAPITAL PLANNING/ DIRECTOR, WTC CONSTRUCTION		DEPUTY CHIEF OF CAPITAL PLANNING/ DIRECTOR, WTC CONSTRUCTION	

JST AWARD CONTRACT CHANGE

To: Ed Palmer
From:

Date 7/12/2010

- Design
- Construction
- Line

Contract No.	WTC-234.544
Structure to Grade	
PACC No.	00013 <i>REVISED</i>

DESCRIPTION OF CHANGE

As directed by the Director, in lieu of the contractual crane layout and durations for Areas 1 and 2 indicated on Phasing Drawing Numbers SK-1 thru SK-15, all dated January 14, 2009, utilize crane layout indicated on "Overall Crane Layout" drawing No. LP-01, dated May 26, 2009, with the following durations:

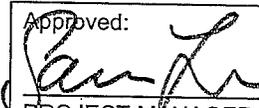
- a) Furnish, mobilize and demobilize a Manitowoc 18000 crawler crane, for a total duration of (8) months, including all required support cranes, as shown on the Overall Crane Layout Drawing LP-01 dated May 26, 2009.
- b) Furnish a Manitowoc 16000 crawler crane, for a total duration of (8) months, including performing all required existing platform modifications and engineering, as shown on the Overall Crane Layout Drawing LP-01 dated May 26, 2009.
- c) Furnish, mobilize and demobilize two (2) Favco 760 tower cranes, for a total duration of (13) months, including all required support cranes as shown on the Overall Crane Layout drawing LP-01 dated May 26, 2009.
- d) Delete removal and salvaging of the existing crane platform indicated on the contract documents as furnished/installed by others.

REASON FOR CHANGE

Due to a change in the contractual crane means and methods for construction of the permanent PATH Station, which indicated the use of a crawler crane on top of a steel frame crane-way above Platform "A", two crawler cranes directly adjacent to the East side of the 1/9 box, one support crane off of a perch along Church Street and another on a perch adjacent to the South side of the EW connector, and in an attempt to expedite the work and minimize disruptions to the daily operation of the Station, Program Management agreed to adopt the new crane scheme depicted on drawing LP-01, rev 0, dated May 2, 2009, as proposed by the contractor.

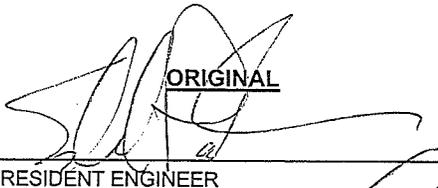
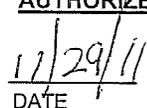
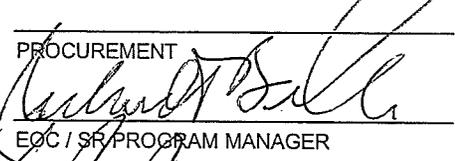
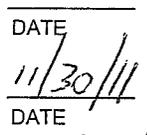
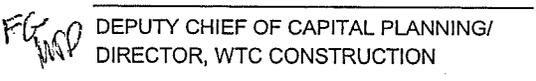
DRAWINGS & SPECIFICATIONS

Drawing LP-01, dated May 26, 2009

Approved: 
PROJECT MANAGER Date 12/21/11

Engineering Estimate:		PACC Original	PACC Revised	C/O #
Orig \$1,686,029.00	Chief Engineer Auth	\$26,400,000.00		N/A
Rev _____	Deputy Director, Construction	\$26,400,000.00		
Contractor Proposal	C/Os Issued	\$11,128,581.40		
Orig \$7,400,000.00	Pending PACCs	\$31,581,143.00		N/A
Rev _____	This PACC	\$1,686,029.00		N/A
	Total Committed	\$42,709,724.40		
	Balance Remaining	(\$16,309,724.40)*		

** INCREASE IN EXTRA WORK REQUIRED*

<u>LEVEL</u>	<u>ORIGINAL</u>	<u>AUTHORIZED SIGNATURES</u>	<u>REVISED</u>
ALL	 RESIDENT ENGINEER	 DATE 11/29/11	RESIDENT ENGINEER DATE
	 PROCUREMENT EOC / SR PROGRAM MANAGER	 DATE 11/30/11	PROCUREMENT EOC / SR PROGRAM MANAGER DATE
	 Over 100,000 PROCUREMENT MANAGER, WTCC PROJECT	 DATE 2/17/12	PROCUREMENT MANAGER, WTCC PROJECT DATE
	 DEPUTY CHIEF OF CAPITAL PLANNING/ DIRECTOR, WTC CONSTRUCTION	DATE	DEPUTY CHIEF OF CAPITAL PLANNING/ DIRECTOR, WTC CONSTRUCTION DATE

The Port Authority of New York & New Jersey
Engineering Department

DCM ERECTORS, INC.
110 EAST 42ND STREET ROOM 1710
NEW YORK, NY 10017

Copy:

Request For Proposal

Contract No.	WTC 234.544
CK.20.01 STRUCTURE TO GRADE STEEL	

Change No.	PACC No. 00013
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Please Submit an Itemized Proposal For The Change as Detailed Below.

TYPE: LUMP SUM

DESCRIPTION OF CHANGE

As directed by the Director, in lieu of the contractual crane layout and durations indicated on Phasing Drawing Numbers SK-1 through SK -15, all dated January 14, 2009, utilize crane layout indicated on "Overall Crane Layout" drawing No. LP-01 dated May 26, 2009 with the following durations:

1) Furnish, mobilize and demobilize a Manitowoc 18000 crawler crane, for a total duration of 8 months, including all required support cranes, as shown on the Overall Crane Layout drawing LP-01 dated May 26th, 2009.

2) Furnish a Manitowoc 16000 crawler crane, for a total duration of 8 months, including performing all required existing platform modifications & engineering, as shown on the Overall Crane Layout drawing LP-01 dated May 26th, 2009.

3) Furnish, mobilize and demobilize two (2) Favco 760 tower cranes, for a total duration of thirteen 13- months, including all required support cranes, as shown on the Overall Crane Layout drawing LP-01 dated May 26th, 2009.

4) Delete removal and salvaging of the existing crane platform indicated on the contract documents as furnished/installed by others.

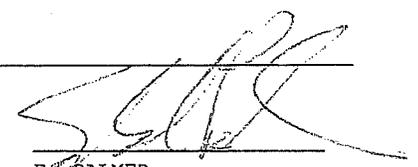
Note: Hours of work to be in accordance with the contract documents.

DRAWINGS & SPECIFICATIONS

DRAWING NO. LP-01 DATED MAY 26, 2009

Please Submit Proposal To:

The Port Authority of NY & NJ
WORLD TRADE CENTER
15 Broadway
5th Floor
New York, NY 10006-


E. PALMER
Resident Engineer

Date 01/15/2010

This does not constitute an Authorization, approval or commitment by the Port Authority to modify the Contract as described above.
An itemized proposal shall include material, quantities and unit material costs: crew sizes, man days and unit labor costs, all separate Subcontractor
General Contractor markups