

Previous Ordinances

Ordinance 2009-1273 (Including Contract)

Project 500N
Appropriation
12.8.09

Controller's Office

To the Honorable Mayor and City Council of the City of Houston, Texas:

I hereby certify, with respect to the money required for the contract, agreement, obligation or expenditure contemplated by the ordinance set out below that:

- () Funds have been encumbered out of funds previously appropriated for such purpose.
- () Funds have been certified and designated to be appropriated by separate ordinance to be approved prior to the approval of the ordinance set out below.
- () Funds will be available out of current or general revenue prior to the maturity of any such obligation.
- () No pecuniary obligation is to be incurred as a result of approving the ordinance set out below.

① (✓) The money required for the expenditure or expenditures specified below is in the treasury, in the fund or funds specified below, and is not appropriated for any other purposes.

② (✓) A certificate with respect to the money required for the expenditure or expenditures specified below is attached hereto and incorporated herein by this reference.

() Other - Grant Funds Available

Carissa D. Parker
Madeline B. Appel
 City Controller of the City of Houston,
 Texas

Date: December 8, 2009
 Texas

FUND REF: 8011- ↓ - 520140 AMOUNT: \$ 3,515,246.00 ENCUMB. NO.: 4200002981
300000381

JRS

OA 46-10038 FMRB # 3-8076 City of Houston, Texas Ordinance No. 2009-1273

AN ORDINANCE APPROPRIATING THE SUM OF \$3,515,246.00 OUT OF THE HOUSTON AIRPORT SYSTEM CONSOLIDATED 2004 AMT FUND AND \$61,517.00 OUT OF THE AIRPORTS IMPROVEMENT FUND, AWARDING A CONSTRUCTION MANAGER AT RISK CONTRACT TO MANHATTAN CONSTRUCTION COMPANY FOR RENOVATIONS AT TERMINAL D AT GEORGE BUSH INTERCONTINENTAL AIRPORT/HOUSTON (PROJECT 500N); PROVIDING FUNDING FOR THE

CIVIC ART PROGRAM; CONTAINING FINDINGS AND PROVISIONS RELATING TO THE SUBJECT; AND DECLARING AN EMERGENCY.

* * * *

WHEREAS, pursuant to Subchapter H of Chapter 271 of the Texas Local Government Code ("Code"), City has been granted authority to procure certain construction projects using the alternative project delivery methods set forth therein; and

WHEREAS, the Director determined that the construction manager at risk delivery method provided the best value to the City for Project 500N by issuing a Request for Qualifications dated July 22, 2008, as amended by Addendum #1 dated July 28, 2008; Addendum #2 dated July 30, 2008; Addendum #3 dated August 04, 2008; Addendum #4 dated August 04, 2008; Addendum #5 dated August 07, 2008; Addendum #6 dated August 07, 2008; Addendum #7 dated August 07, 2008; Addendum #8 dated August 12, 2008 and Addendum #9 dated August 13, 2008; and

WHEREAS, five firms submitted responses to the Request for Qualifications on or before the deadline for submission of August 12, 2008; and

WHEREAS, pursuant to the Code, on November 05, 2008, the evaluation committee timely evaluated and ranked the proposers; and

WHEREAS, after interviewing the three short-listed proposers on November 05, 2008, the evaluation committee selected Manhattan Construction Company on November 10, 2008 to begin contract negotiations; and

WHEREAS, it was determined that the Project would be constructed in phases; and

WHEREAS, City and Manhattan Construction Company have successfully negotiated the terms and conditions of the Preconstruction Services and Construction Phases of the Project, as set forth in the Contract; and

WHEREAS, while the terms and conditions for the Project are set forth in this Agreement, certain terms and conditions regarding the Construction Phases may require amendment of this Agreement should the City decide to proceed with construction of the Project, in whole or in part; and

WHEREAS, should the City decide to proceed with construction of the Project, in whole or in part, the Houston Airport System will need to return to City Council for additional appropriations; **NOW, THEREFORE**,

**BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF HOUSTON,
TEXAS:**

Section 1. The City Council adopts the findings set forth in the preamble hereof and hereby appropriates the sum or sums of money set out in the title of this Ordinance, out of the respective fund or funds set out in such title for the purpose or purposes set out in such title as follows: The sum of **\$3,515,246.00** is appropriated for Preconstruction Services for the project described in the title and the sum of **\$61,517.00** is appropriated as funding for the Civic Art Program financed by the funds described in such title or as otherwise designated and allowed under City of Houston Ordinance No. 99-1351, as amended and restated in City of Houston Ordinance No. 2006-731.

Section 2. The City Council hereby approves and authorizes the construction contract described in the title of this ordinance, in form prepared by the Houston Airport System and on file in that department. Any addenda or modifications to such contract issued by that department shall be included in the contract. The Mayor is hereby authorized to execute such document and all related documents (including any related surety bonds) on behalf of the City of Houston. The City Secretary is hereby authorized to attest to all such signatures and to affix the seal of the City to all such documents.

Section 3. The Mayor is hereby authorized to take all actions necessary to effectuate the City's intent and objectives in approving such agreement, agreements or other undertaking described in the title of this ordinance, in the event of changed circumstances.

Section 4. The City Attorney is hereby authorized to take all action necessary to enforce all legal obligations under said contract without further authorization from Council.


Section 5. There exists a public emergency requiring that this Ordinance be passed finally on the date of its introduction as requested in writing by the Mayor; therefore, this Ordinance shall be passed finally on such date and shall take effect immediately upon its passage and approval by the Mayor; however, in the event that the Mayor fails to sign this Ordinance within five days after its passage and adoption, it shall take effect in accordance with Article VI, Section 6, Houston City Charter.

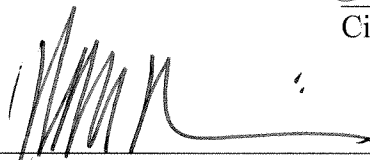
PASSED AND ADOPTED this 9th day of December, 2009.

APPROVED this _____ day of _____, 20____.

Mayor of the City of Houston, Texas

Pursuant to Article VI, Section 6, Houston City Charter, the effective date of the foregoing Ordinance is DEC 15 2009.


City Secretary


(Prepared by Legal Dept. _____)
(RNR:lg 12/02/2009) Sr. Assistant City Attorney
(Requested by Eric R. Potts, Interim Director, Houston Airport System)
(L.D. File No. _____)

G:\CONTRACT\LSG\MSWORD\ORDINANCE\RNR\Manhattan500N.doc

AYE	NO	
✓		MAYOR WHITE
••••	••••	COUNCIL MEMBERS
✓		LAWRENCE
✓		JOHNSON
✓		CLUTTERBUCK
✓		ADAMS
✓		SULLIVAN
✓		KHAN
✓		HOLM
✓		GONZALEZ
✓		RODRIGUEZ
✓		BROWN
✓		LOVELL
✓		NORIEGA
✓		GREEN
✓		JONES
CAPTION	ADOPTED	

CAPTION PUBLISHED IN DAILY COURT
REVIEW
DATE: DEC 15 2009

CERTIFICATE OF CITY CONTROLLER

I, Annise^{D.}_A Parker, City Controller of the City of Houston, Texas, pursuant to Article II, Section 19a of the Charter of the City of Houston, with respect to the sum of \$3,515,246.00 required for the project referenced in the title of this ordinance, do hereby certify as follows:

- (1) The sum of \$3,515,246.00 will be funded from airport bond proceeds and/or airport commercial paper proceeds pursuant to Ordinance No. 2003-1010 authorizing the creation of two (2) Houston Airport System Consolidated Construction Funds: the Consolidated 2004 AMT Construction Fund and the Consolidated 2004 Non-AMT Construction Fund. To the extent that this sum will be paid with bond proceeds, it is in the treasury in the said fund, and is not appropriated for any other purpose.

- (2) To the extent that the \$3,515,246.00 will be paid by commercial paper proceeds, funds will be received into the treasury and available before the maturity of said obligation, and such anticipated funds have not already been appropriated for any other purpose. Such sum will be received as a cash draw(s) to the City of Houston pursuant to the Airport Commercial Paper Ordinance, Ordinance No. 99-1337.



City Controller 

Ordinance 2011-1189 (Including Contract)

500N Phase I
Amendment No. 1
12.21.11

Controller's Office

To the Honorable Mayor and City Council of the City of Houston, Texas:

I hereby certify, with respect to the money required for the contract, agreement, obligation, or expenditure contemplated by the ordinance set out below that:

- () Funds have been encumbered out of funds previously appropriated for such purpose.
- () Funds have been certified and designated to be appropriated by separate ordinance to be approved prior to the approval of the ordinance set out below.
- () Funds will be available out of current or general revenue prior to the maturity of any such obligation.
- () No pecuniary obligation is to be incurred as a result of approving the ordinance set out below.
- () The money required for the expenditure or expenditures specified below is in the treasury, in the fund or funds specified below, and is not appropriated for any other purposes.
- () A certificate with respect to the money required for the expenditure or expenditures specified below is attached hereto and incorporated hereby by this reference.
- () Other - Grant available

Date: 12-21, 2011

Ronald C. King
City Controller of the City of Houston, Texas

FUND 8006-2500 REF: 520127 AMOUNT: \$3,900,000.00 ENCUMB. FR 300002570
 NO.: 8011-2000 \$2,062,992.00
\$5,962,992.00

FMB 3-12143
 OA 46-10038
 46-9816

City of Houston, Texas Ordinance No. 2011-1189

AN ORDINANCE APPROPRIATING THE SUM OF \$3,900,000.00 OUT OF AIRPORT SYSTEM BONDS 1998B AMT CONSTRUCTION FUND; \$2,062,992.00 OUT OF AIRPORT IMPROVEMENT FUND (PROJECT NO. 500N; CONTRACT NO. 46000010038); AND APPROVING AND AUTHORIZING AMENDMENT NO. 1 TO A CONSTRUCTION MANAGEMENT AT RISK AGREEMENT BETWEEN THE CITY OF HOUSTON AND MANHATTAN CONSTRUCTION COMPANY FOR PHASE I CONSTRUCTION SERVICES FOR TERMINAL D IMPROVEMENTS AT GEORGE BUSH INTERCONTINENTAL AIRPORT/HOUSTON; PROVIDING FUNDING FOR ENGINEERING TESTING SERVICES, AND FOR CONTINGENCIES, AND THE CIVIC ART PROGRAM RELATING TO CONSTRUCTION OF THE FACILITIES FINANCED BY SUCH FUNDS;

**CONTAINING PROVISIONS RELATING TO THE SUBJECT; AND
DECLARING AN EMERGENCY.**

NOW THEREFORE,

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF HOUSTON, TEXAS:

Section 1. The City council appropriates the sum or sums of money set out in the title of this Ordinance, out of the respective fund or funds set out in such title as follows: the sum of \$5,483,211.00 is appropriated for construction of the Project described in the title; the sum of \$274,161.00 is appropriated for contingency; the sum of \$109,664.00 is appropriated for engineering testing services under Contract No. 73233; and the sum of \$95,956.00 is appropriated for the Civic Art Program.

Section 2. That the City Controller may reimburse the Airport Improvement Fund (8011) from Passenger Facility Charges collected at George Bush Intercontinental Airport/Houston without the need to secure further City Council approval.

Section 3. The City Council hereby approves and authorizes the agreement or other undertaking described in the title of this Ordinance. The Mayor is hereby authorized to execute such document and all related documents (including any related surety bonds) on behalf of the City of Houston. The City Secretary is hereby authorized to attest to all such signatures and to affix the seal of the City to all such documents.

Section 4. The Mayor is hereby authorized to take all actions necessary to effectuate the City's intent and objectives in approving such agreement, agreements or other undertakings referenced in the title of this Ordinance, in the event of changed circumstances.

Section 5. The City Attorney is hereby authorized to take all action necessary to enforce all legal obligations under said Contract without further authorization from Council.

Section 6. There exists a public emergency requiring that this Ordinance be passed finally on the date of its introduction as requested in writing by the Mayor; therefore, this Ordinance shall be passed finally on such date and shall take effect immediately upon its passage and approval by the Mayor; however, in the event that the Mayor fails to sign this Ordinance within five days after its passage and adoption, it shall take effect in accordance with Article VI, Section 6, City of Houston Charter.

PASSED AND ADOPTED this 21st day of December, 2011.

APPROVED this _____ day of _____, 20 .

Mayor of the City of Houston, Texas

Pursuant to Article VI, Section 6, Houston, Texas City Charter, the effective date of the foregoing Ordinance is DEC 27 2011.



City Secretary

(Prepared by Legal Department. )

Requested By: Mario C. Diaz, Director
Department of Aviation

L

AYE	NO	
✓		MAYOR PARKER
....	COUNCIL MEMBERS
✓		STARDIG
✓		JOHNSON
✓		CLUTTERBUCK
✓		ADAMS
✓		SULLIVAN
✓		HOANG
✓		PENNINGTON
✓		GONZALEZ
✓		RODRIGUEZ
✓		COSTELLO
✓		LOVELL
✓		NORIEGA
✓		BRADFORD
✓		JONES
CAPTION	ADOPTED	

CAPTION PUBLISHED IN DAILY COURIER
DATE
DATE
DEC 27 2011

THE STATE OF TEXAS §
§
COUNTY OF HARRIS §

**AMENDMENT NO. 1 TO
CONSTRUCTION MANAGEMENT AT RISK AGREEMENT
PROJECT 500N**

THIS AMENDMENT NO. 1 TO THE CONSTRUCTION MANAGEMENT AT RISK AGREEMENT ("Agreement") is between the **CITY OF HOUSTON, TEXAS**, a home-rule city ("City"), and **MANHATTAN CONSTRUCTION COMPANY**, an Oklahoma corporation authorized to do business in the State of Texas ("Contractor"). This Amendment No. 1 is effective on the date of countersignature by the City Controller.

BACKGROUND

By City Ordinance No. 2009-1273, passed and adopted by City Council on December 9, 2009, the City entered into the Agreement with the Contractor for renovation and new construction at Terminal D at George Bush Intercontinental Airport/Houston (Project 500N).

The City and the Contractor now mutually desire to amend the scope of the project and amend certain other provisions of the Agreement.

For and in consideration of the mutual promises, covenants, agreements, and benefits contained in this Amendment No. 1, the City and the Contractor agree as follows:

I.

The headings “Phase 1” and “Phase 2” in Section 1.01 of the Agreement shall be amended by changing “Phase 1” to “Phase 2” and changing “Phase 2” to “Phase 3” New Phase 1 will be added to read as follows:

Phase 1-Remodel present Terminal D Gates 11 and 12 such that the use of both gates simultaneously may be used as a new Gate 12A suitable for docking, embarking and disembarking passengers traveling on ADG VI aircraft including but not limited to Boeing 748i and Airbus A380-800. The work shall include but not be limited to selective demolition, the provision of a new Passenger Loading Bridge (PLB), New Walkway and support structures connecting Terminal D to the New PLB at Level 121, two new Dx Pre-conditioned Air Units (PCA), two new 400 hertz Ground Power Units (GPUs), two double outlet Jet Fueling Hydrants including manholes, all appurtenances with lateral connections to the fuel mains, concrete ramp repairs, a Visual Docking Gate System (VDGS) for eight gate positions, an Airport Operational Data Base (AODB) software and installation thereof, new floor slab internally at the departure level 121, new door, frame, hardware, security card reader and all MEP/Fire Protection/Low Voltage Systems and Security Devices. Re-certify improvements to meet Airport Security, CBP and TSA requirements.

II.

Section 2.01(l) of the Agreement shall be amended by changing the Title to Exhibit “D” to read “Phases 1, 2, and 3 Guaranteed Maximum Price Proposal”.

III.

Exhibit “C” referenced in Section 4.01 of the Agreement shall be deleted and replaced with the Exhibit “C” attached to this Amendment No.1 as Exhibit “A”.

IV.

Section 5.02 (h) (4) and Table 5.02A of the Agreement are deleted in their entirety and replaced with the following language:

Construction Manager shall not have any contingency funding available to it for Phase 1 Remodel of Gates 11 and 12. City Engineer shall have a 12% Construction Phase Contingency available to it based on the dollar amount set forth in Contractor’s approved GMP. Such contingency may be used at City Engineer’s sole discretion for (i) any increase in the cost of purchasing equipment set forth in Construction Manager’s approved GMP; (ii) any increased costs required to meet accelerated schedules; and (iii) any increase in cost due to unforeseen conditions. All unused contingency shall revert to the City at final completion of each Phase.

V.

Section 6.02 of the Agreement is amended by deleting "\$2,500.00" in the second and third sentences and replacing them with "500.00".

VI.

Section 7.02(d) of the Agreement is hereby amended by deleting "5.75%" and replacing it with "3.5%".

VII.

Section 7.09 of the Agreement is hereby amended by adding the following sentence to the end of the section: "City shall have the right to audit all costs, the basis for those costs, and all underlying expenses relating to Construction Manager's performance herein, including but not limited to the Cost of the Work, particularly, without limitation, Section 8.01(a) and the Daily Salary Rates set forth in Exhibit "C".

VIII.

Section 8.01 (a)(2) of the Agreement is hereby amended by adding the following language:

Notwithstanding, Cost of the Work for purposes of calculating salaries of Construction Manager's supervisory and administrative personnel when directly involved in performance of the Work shall be based on the "Daily Salary Rate" set forth in Exhibit "C" attached hereto. The Parties agree that the daily salary rates set forth in Exhibit "C" are based on an eight hour work day. However, if any of the employees listed in Exhibit "C" (or who in the future may be listed as described below) are not assigned to Phase 1 on a full time basis, they will be paid based on the actual number of hours they work during any given day, up to 8 hours, consistent with the daily salary rates set forth in Exhibit "C". Should any of those employees work less than eight hours during any given day, the invoice to the City for that day shall reflect a reduction in the daily salary rate based on the actual number of hours worked on Phase 1. By way of example, if employee Y has a daily salary rate of \$1000.00 but only works 6 hours during a day on Phase 1, his daily salary rate will be converted to an hourly rate of \$125.00 which when multiplied by the 6 hours worked during the given day results in a reduction in the invoice to the City of \$750.00. Conversely, should employee Y work more than 8 hours during any given day on Phase 1, Construction Manager shall not be entitled to invoice the City more than Employee Y's daily salary rate of \$1000.00 (plus the Construction Manager Fee). Employees who are listed in Exhibit "C" (or in the future may be listed as described below) and who are assigned to work full time on Phase 1 shall be paid based on the daily salary rates regardless of the number of actual hours they work on Phase 1 during any given week, assuming that the average number of hours worked per day over the life of Phase 1, from the date of NTP to Final Completion, equals or exceeds 8 hours per day. Adjustments, as necessary, shall be made to retainage. Should Construction Manager require

employees to work on Phase 1, other than those listed on Exhibit "C", Construction Manager shall provide written notice to the City Engineer setting forth all the information described above. If for any reason, City Engineer reasonably objects to any such employee, Construction Manager shall not use that employee to perform on Phase 1. Failing reasonable objection by the City Engineer, the employee, together with his daily billing rate, shall automatically become a part of Exhibit "C".

IX.

Section 8.02 (i) of the Agreement is hereby amended by deleting it in its entirety.

X.

Section 8.04(2) of the Agreement is hereby amended by deleting the period at the end of the first sentence and adding the following language:

and \$5,483,211.00 for funding Phase 1 Construction Phase, Remodel Terminal D Gates 11 and 12, described herein and in Exhibit "B" attached to Amendment No.1, inclusive of allowances, contingency, Cost of the Work and Construction Manager's fee.

XI.

Exhibit "D" of the Agreement is hereby amended by inserting the approved Guaranteed Maximum Price for Phase 1 Construction Phase, Remodel Terminal Gates 11 and 12, as Exhibit "D-1", attached to Amendment No. 1 as Exhibit "B".

XII.

Amendment No. 1 and the Contract are to be read and construed as one agreement, but if a conflict or inconsistency between Amendment No. 1 and the Contract arises, Amendment No. 1 controls over the Contract.

The Parties have executed this Amendment No. 1 to the Agreement in multiple copies, each of which is an original.

ATTEST (SEAL) (if a corporation):
WITNESS (if not a corporation):

MANHATTAN CONSTRUCTION COMPANY
(Construction Manager)

By: _____
Name:
Title:

By: _____
Name:
Title:
Tax Identification No.: _____

ATTEST/SEAL:

CITY OF HOUSTON, TEXAS
Signed by:

City Secretary

Mayor

APPROVED:

COUNTERSIGNED BY:

Mario C. Diaz, Director
Houston Airport System

City Controller

APPROVED AS TO FORM:

DATE COUNTERSIGNED:

Sr. Assistant City Attorney
L.D. File No. _____

EXHIBIT "A" (EXHIBIT "C" TO AGREEMENT)
STAFFING, SALARY RATES, CLASSIFICATIONS

MANHATTAN CONSTRUCTION COMPANY

PROJECT # 500N

DESCRIPTION: STAFF ALLOCATION CLASSIFICATIONS & DAILY SALARY RATES

DATE: 12/7/2011

PREPARED BY:

MCC Class #	MCC Description	Daily Salary Rates	MCC Employee
	Project Executive	\$1,050	Jim Newnam
	Project Manager	\$576	Keith Knighten
	Superintendent #1	\$585	Mary Babineaux
	Superintendent (Night)	\$535	Charles (Chuck) Detwiler III
	Project Engineer	\$409	James Kirkwood
	Safety Engineer	\$332	Yahve Santana
	Field Office Manager	\$282	Shelley Carter
EQUIPMENT CHARGES			
	Cell phone costs		To be charged at cost
	Vehicle Rental charges		To be charged at cost
	Computer Hardware, Software & Internet charges		To be charged at cost

EXHIBIT "B" (Replaces Exhibit D in Agreement) Page 1
GUARANTEED MAXIMUM PRICE



**December 2011 Guaranteed Maximum Price Proposal
for Phase 1 Remodel of Terminal D Gates D11 & D12
500 N- IAH Terminal D Renovation
DATED 12/5/2011**

Client: Houston Airport System
Location: Houston, TX
Project Gross SF: N/A

DIVISION	DESCRIPTION	AMOUNT	COST PER	
				SF
01	General Requirements/Temp.Protection	\$ 50,000		\$0.00
02	Existing Conditions	\$ 50,000		\$0.00
03	Concrete	\$ 200,000		\$0.00
04	Masonry	-		\$0.00
05	Metals	\$ 200,000		\$0.00
06	Wood, Plastics and Composites	\$ 5,000		\$0.00
07	Thermal and Moisture Protection	\$ 10,000		\$0.00
08	Openings	\$ 3,000		\$0.00
09	Finishes	\$ 15,000		\$0.00
10	Specialties	-		\$0.00
11	Equipment (see attached list)	\$ 3,007,000		\$0.00
12	Furnishings	-		\$0.00
13	Special Construction	\$ -		\$0.00
14	Conveying Equipment	-		\$0.00
21	Fire Suppression	-		\$0.00
22	Plumbing	\$ 2,000		\$0.00
23	Heating, Ventilating, and Air Conditioning	\$ -		\$0.00
25	Integrated Automation	\$ -		\$0.00
26	Electrical	\$ 600,000		\$0.00
27	Communications	\$ 5,000		\$0.00
28	Electronic Safety and Security	\$ 18,000		\$0.00
31	Earthwork	\$ 15,000		\$0.00
32	Exterior Improvements	\$ 50,000		\$0.00
33	Utilities	\$ 75,000		\$0.00
34	Transportation	\$ -		\$0.00
Cost of Work		\$ 4,305,000		\$0.00
	General Conditions	7.00% \$ 301,350		
	Subcontractor Bonds	1.50% \$ 64,575		
	Builder's Risk Insurance	\$ 34,737		
	General Liability Insurance	\$ 41,440		
	Performance/Payment Bonds	\$ 40,815		
	Building Permit Fees	\$ 10,741		
	Subtotal	\$ 4,798,658		
	Construction Manager Fee	3.50% \$ 167,953		
	Subtotal	\$ 4,966,611		
	Construction Manager Contingency	0% \$ -		
	Subtotal	\$ 4,966,611		
	Escalation	0% \$ -		
	Subtotal	\$ 4,966,611		
	Artwork Allowance	0% \$ -		
	City Engineer Contingency	12% \$ 516,600		
	Subtotal	\$ 5,483,211		
GRAND TOTAL		\$ 5,483,211		
Grand Total		\$ 5,483,211		

EXHIBIT "B" (Replaces Exhibit D in Agreement) Page 2
GUARANTEED MAXIMUM PRICE

REMODEL OF TERMINAL D, GATES D11 AND D12

TO CREATE GATE D12A

LIST OF EQUIPMENT

<u>EQUIPMENT</u>	<u>COST(\$)/UNIT</u>	<u>QTY</u>	<u>COST(\$)</u>
Pass. Load. Bridge (PLB)w/A/C	\$720,000	1	\$720,000
Fixed Walkway & Support Struct.	465,000	1	465,000
Pre-cond.Air (PCA) Units	212,000	2	424,000
400 Hz Grd.Pwr.Units (GPU's)	84,000	2	168,000
Potable Water Unit (PWC)	46,000	1	46,000
VDGS	79,000	8	632,000
Dual Hyd.Jet FuelPits w/Valves	11,500	4	46,000
Hydrant Jet Fuel Piping	30	200LF	6,000
Air.Oper.Data Base (AODB)	500,000	1	<u>500,000</u>
TOTAL			\$3,007,000

REMODEL OF TERMINAL D, GATES D11 AND D12

TO CREATE GATE D12A

SCOPE OF WORK

Phase 1 – Remodel of the present Terminal D gates 11 and 12 such that the use of both gates simultaneously may be used to create a new gate D 12A that is suitable for docking, embarking and disembarking passengers traveling on ADG VI aircraft, including but not limited to a Boeing 747-800i and an Airbus A380-800. The work shall include but not be limited to selective demolition and repair of the concrete ramp where new foundations are placed; providing a new Passenger Loading Bridge (PLB); providing a new fixed walkway and support structure from the Departure Level 121 of Terminal D to connect to the new PLB; providing two (2) new Point-of-Use Pre-conditioned Air (PCA) units; providing two (2) new 400 Hz Ground Power Units (GPUs); providing two (2) dual hydrant jet fuel pits including manholes and with all lateral piping connections to the existing dual fuel lines; providing a Visual Docking Gate System (VDGS) at eight (8) gate positions at Terminal D; purchase and installation of an Airport Operational Data Base (AODB) system as specified and selected by the HAS IT Department; adding a new secure doorway from the east end of the Departure Level 121 out to the new fixed walkway; providing all MEP from within the existing Terminal D building necessary for supporting the new PLB, PCA units, 400 Hz units, new fuel pits, the eight (8) new VDGS units, and the new exit doorway from the Departure Level 121 out to the new fixed walkway, all necessary work to ensure the ADG VI aircraft mentioned above will provide for proper passenger service accommodations and safe overall operations. Provide all structural required to allow the installation of the VDGS units, and provide the necessary ramp re-striping to allow for the ADG VI aircraft lead-in lines and parking positions.

Ordinance 2012-0899 (Including Contract)

Project 500N

Phase IIA

Amendment No. 2

10.10.12

Controller's Office

To the Honorable Mayor and City Council of the City of Houston, Texas:

I hereby certify, with respect to the money required for the contract, agreement, obligation or expenditure contemplated by the ordinance set out below that:

- Funds have been encumbered out of funds previously appropriated for such purpose.
- Funds have been certified and designated to be appropriated by separate ordinance to be approved prior to the approval of the ordinance set out below.
- Funds will be available out of current or general revenue prior to the maturity of any such obligation.
- No pecuniary obligation is to be incurred as a result of approving the ordinance set out below.
- The money required for the expenditure or expenditures specified below is in the treasury, in the fund or funds specified below, and is not appropriated for any other purposes.
- A certificate with respect to the money required for the expenditure or expenditures specified below is attached hereto and incorporated herein by this reference.
- Other - Grant Funds Available

Date: 10-10, 2012

ELB
Ronald C. Shivers
City Controller of the City of Houston, Texas

FUND REF: 8001-2800-521405 AMOUNT: 214,174.00 Contingency ENCUMB. NO.: FR-30000382
OA# 4600010038 +4L B 2,355,918.00

City of Houston, Texas Ordinance No. 2012-899

AN ORDINANCE APPROVING AND AUTHORIZING AMENDMENT NO. 2 TO A CONSTRUCTION MANAGEMENT AT RISK AGREEMENT BETWEEN THE CITY OF HOUSTON AND MANHATTAN CONSTRUCTION COMPANY FOR PHASE IIA CONSTRUCTION SERVICES FOR TERMINAL D DEPARTURE LEVEL REFRESH AT GEORGE BUSH INTERCONTINENTAL AIRPORT/HOUSTON (PROJECT NO. 500N; CONTRACT NO. 4600010038); CONTAINING PROVISIONS RELATING TO THE SUBJECT; AND DECLARING AN EMERGENCY.

* * * *

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF HOUSTON, TEXAS:

Section 1. The sum of **\$2,355,918.00** is allocated as follows: **\$2,141,744.00** is allocated for Phase IIA construction services and **\$214,174.00** is allocated for City Engineer's contingency.

Section 2. The City Council hereby approves and authorizes the contract, agreement or other undertaking described in the title of this Ordinance, in substantially the form as shown in the document which is attached hereto and incorporated herein by this reference. The Mayor is hereby authorized to execute such document and all related documents on behalf of the City of Houston. The City Secretary is hereby authorized to attest to all such signatures and to affix the seal of the City to all such documents.

Section 3. The Mayor is hereby authorized to take all actions necessary to effectuate the City's intent and objectives in approving such agreement, agreements or other undertaking described in the title of this ordinance, in the event of changed circumstances.

Section 4. The City Attorney is hereby authorized to take all action necessary to enforce all legal obligations under said contract without further authorization from Council.

Section 5. There exists a public emergency requiring that this Ordinance be passed finally on the date of its introduction as requested in writing by the Mayor; therefore, this Ordinance shall be passed finally on such date and shall take effect immediately upon its passage and approval by the Mayor; however, in the event that the Mayor fails to sign this Ordinance within five days after its passage and adoption, it shall take effect in accordance with Article VI, Section 6, Houston City Charter.

PASSED AND ADOPTED this 10th day of October, 2012.

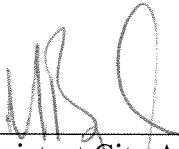
APPROVED this _____ day of _____, 20____.

Mayor of the City of Houston, Texas

Pursuant to Article VI, Section 6, Houston City Charter, the effective date of the foregoing Ordinance is OCT 16 2012.



City Secretary

(Prepared by Legal Dept. )
(MPB:lg 06/21/2012) Assistant City Attorney
(Requested by Mario C. Diaz, Director, Houston Airport System)
(L.D. File No. 0040900178004)
G:\CONTRACT\LSG\MSWORD\ORDINANCE\MPB\Manhattan500N-A#2.doc

AYE	NO	
✓		MAYOR PARKER
••••	••••	COUNCIL MEMBERS
✓		BROWN
✓		DAVIS
✓		COHEN
✓	ABSENT-ON PERSONAL BUSINESS	ADAMS
		SULLIVAN
✓		HOANG
✓		PENNINGTON
✓		GONZALEZ
✓		RODRIGUEZ
✓		LASTER
✓		GREEN
✓		COSTELLO
✓		BURKS
	ABSENT	NORIEGA
✓		BRADFORD
✓		CHRISTIE
CAPTION	ADOPTED	

I.

The headings “Phase 2” and “Phase 3” in Section 1.01 of the Agreement are amended by changing “Phase 2” to “Phase 3” and changing “Phase 3” to “Phase 4”. A new Phase 2A is added to Section 1.01 of the Agreement, to read as follows:

“Phase 2A - Redecorate and Remodel present Terminal D Departure Level, Sterile Corridor area and Boarding Pier areas so as to “Refresh” and improve the appearance of the Terminal for arriving and departing passengers. The work shall include but not be limited to the painting of all walls, doors and frames and other exposed hard surfaces, replacement of all Carpet Flooring, re-Lamping of all Ceiling Lights, provision of new Stainless Steel Handrails and repositioning of hold room seating.”

II.

Section 2.01(l) of the Agreement is amended by changing the Title of Exhibit “D” to read “Phases 1, 2A, 3 and 4 Guaranteed Maximum Price Proposal”.

III.

Exhibit “D” of the Agreement is amended by inserting the approved Guaranteed Maximum Price for Phase 2A as Exhibit “D-2”, attached to this Amendment No. 2 as Exhibit “X1”.

IV.

Section 5.02 (h) (4) of the Agreement is amended by adding the following paragraph:

“Construction Manager shall not have any contingency funding available to it for Phase 2A Redecorate and Remodel present Terminal D Departure Level, Sterile Corridor area and Boarding Pier areas. City Engineer shall have a 10% Construction Phase Contingency available to it based on the dollar amount set forth in Contractor’s approved GMP. Such contingency may be used at City Engineer’s sole discretion for (i) any increase in the cost of purchasing equipment set forth in Construction Manager’s approved GMP; (ii) any increased costs required to meet accelerated schedules; and (iii) any increase in cost due to unforeseen conditions or incomplete design. All unused contingency shall revert to the City at final completion of each Phase.”

V.

Section 8.04 (2) of the Agreement is amended by deleting the first sentence in its entirety and replacing it with the following:

“In order to comply with Article II, Sections 19 and 19a of the City’s Charter and Article XI, Section 5 of the Texas Constitution, the City has allocated the following amounts as Appropriated Funds to pay money due under this Agreement: \$3,515,246.00 for Preconstruction Phase Services; \$5,483,211.00 for Phase I Construction Phase, Remodel Terminal D Gates 11 and 12, inclusive of allowances, contingency, Cost of the Work and Construction Manager’s Fee;

and \$2,141,744.00 for Phase IIA Construction Phase, Refresh at Departure Level, inclusive of allowances, contingency, Cost of the Work and Construction Manager's Fee.”

VI.

Amendment No. 2, Amendment No. 1 and the Agreement are to be read and construed as one agreement, but if a conflict or inconsistency among Amendment No. 2, Amendment No. 1 and the Agreement arises, Amendment No. 2 controls over both the Agreement and Amendment No. 1.

The Parties have executed this Amendment No. 2 to the Agreement in multiple copies, each of which is an original.

ATTEST (SEAL) (if a corporation):
WITNESS (if not a corporation):

MANHATTAN CONSTRUCTION COMPANY
(Construction Manager)

By: John Westbrook
Name: JOHN WESTBROOK
Title: ASSIST SECRETARY

By: Duane K. Duffy
Name: DUANE K. DUFFY
Title: Sr. V.P.
Tax Identification No.: 73 0338330

ATTEST/SEAL:

CITY OF HOUSTON, TEXAS
Signed by:

City Secretary

Mayor

APPROVED:

COUNTERSIGNED BY:

Mario C. Diaz
Mario C. Diaz, Director
Houston Airport System

City Controller

APPROVED AS TO FORM:

DATE COUNTERSIGNED:

Senior Assistant City Attorney
L.D. File No. 0040900178004



**Guaranteed Maximum Price Proposal
for the
IAH 500N Terminal D Refresh - Phase IIA Terminal Areas**

Client: Houston Airport System

Location: Houston, TX

Date:

9/14/2012

Terminal Areas GSF: 94,000

DIVISION	DESCRIPTION	AMOUNT	COST/SF
01	General Requirements	\$ 604,858	6.43
02	Existing Conditions	\$ -	0.00
03	Concrete	\$ -	0.00
04	Masonry	\$ -	0.00
05	Metals	\$ 327,600	3.49
06	Wood, Plastics and Composites	\$ 31,500	0.34
07	Thermal and Moisture Protection	\$ -	0.00
08	Openings	\$ -	0.00
09	Finishes	\$ 820,304	8.73
10	Specialties	\$ -	0.00
11	Equipment	\$ -	0.00
12	Furnishings	\$ -	0.00
13	Special Construction	\$ -	0.00
14	Conveying Equipment	\$ -	0.00
21	Fire Suppression	\$ -	0.00
22	Plumbing	\$ -	0.00
23	Heating, Ventilating, and Air Conditioning	\$ -	0.00
26	Electrical	\$ 46,800	0.50
27	Communications	\$ -	0.00
31	Earthwork/ Piling Foundations	\$ -	0.00
32	Exterior Improvements	\$ -	0.00
33	Utilities	\$ -	0.00
Cost of Work		\$ 1,831,062	19.48
	Subcontractor Bonding	1.25% \$ 15,328	0.16
	Builder's Risk Insurance	\$ 13,971	0.15
	General Liability Insurance	\$ 16,113	0.17
	Performance/Payment Bonds	\$ 15,930	0.17
	Building Permit Fees	\$ -	0.00
	<i>Subtotal</i>	\$ 1,892,403	
	Contractor's Profit	3.50% \$ 66,234	0.70
	<i>Subtotal</i>	\$ 1,958,638	
	Contractor Contingency	0% \$ -	0.00
	City Engineer Contingency	10% \$ 183,106	1.95
	<i>Subtotal</i>	\$ 2,141,744	
	Escalation	0% \$ -	0.00
	<i>Subtotal</i>	\$ 2,141,744	
GRAND TOTAL		\$ 2,141,744	22.78

Ordinance 2013-776_(Including Contract)

Project 500N

Phase IIB

Amendment No. 3

8.28.13

Controller's Office

To the Honorable Mayor and City Council of the City of Houston, Texas:

I hereby certify, with respect to the money required for the contract, agreement, obligation or expenditure contemplated by the ordinance set out below that:

- (1) Funds have been encumbered out of funds previously appropriated for such purpose.
- () Funds have been certified and designated to be appropriated by separate ordinance to be approved prior to the approval of the ordinance set out below.
- () Funds will be available out of current or general revenue prior to the maturity of any such obligation.
- () No pecuniary obligation is to be incurred as a result of approving the ordinance set out below.
- (2) The money required for the expenditure or expenditures specified below is in the treasury, in the fund or funds specified below, and is not appropriated for any other purposes.
- () A certificate with respect to the money required for the expenditure or expenditures specified below is attached hereto and incorporated herein by this reference.
- () Other - Grant Funds Available

Ronald C. Shu
City Controller of the City of Houston, Texas

Date: 8-13, 2013

08011 - 2800 -

FUND REF: 08001 - 2800 - 521405 **AMOUNT:** \$ 5,558,735.00 **ENCUMB. NO.:** FL#s 3-3046, 30674 0381

000014474, 14687, 14688 & 14691
0A446-10038

City of Houston Ordinance No. 2013-776

AN ORDINANCE APPROPRIATING THE SUM OF \$5,558,735.00 OUT OF THE AIRPORTS IMPROVEMENT FUND AND APPROVING AND AUTHORIZING AMENDMENT NO. 3 TO THE CONSTRUCTION MANAGEMENT AT RISK AGREEMENT BETWEEN THE CITY OF HOUSTON AND MANHATTAN CONSTRUCTION COMPANY FOR TERMINAL D PHASE IIB REFRESH OF RAMP AREAS AND FIDS UPGRADE AT GEORGE BUSH INTERCONTINENTAL AIRPORT/HOUSTON (PROJECT NO. 500N; CONTRACT NO. 4600010038); PROVIDING FUNDING FOR THE CIVIC ART PROGRAM; CONTAINING PROVISIONS RELATING TO THE SUBJECT; AND DECLARING AN EMERGENCY.

* * * *

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF HOUSTON, TEXAS:

Section 1. The City Council hereby appropriates the sum or sums of money set out in the title of this Ordinance, out of the respective fund or funds set out in such title as follows: The sum of **\$5,463,130.00** is appropriated for construction of the project described in the title and the sum of **\$95,605.00** is appropriated as funding for the Civic Art Program financed by the fund described in such title or as otherwise designated and allowed under the City of Houston Ordinance No. 99-1351, as amended and restated in City of Houston Ordinance No. 2006-73.

Section 2. The City Council hereby approves and authorizes the contract, agreement or other undertaking described in the title of this Ordinance, in substantially the form as shown in the document which is attached hereto and incorporated herein by this reference. The Mayor is hereby authorized to execute such document and all related documents on behalf of the City of Houston. The City Secretary is hereby authorized to attest to all such signatures and to affix the seal of the City to all such documents.

Section 3. The Mayor is hereby authorized to take all actions necessary to effectuate the City's intent and objectives in approving such agreement, agreements or other undertaking described in the title of this ordinance, in the event of changed circumstances.

Section 4. The City Attorney is hereby authorized to take all action necessary to enforce all legal obligations under said contract without further authorization from Council.


Section 5. There exists a public emergency requiring that this Ordinance be passed finally on the date of its introduction as requested in writing by the Mayor; therefore, this Ordinance shall be passed finally on such date and shall take effect immediately upon its passage and approval by the Mayor; however, in the event that the Mayor fails to sign this Ordinance within five days after its passage and adoption, it shall take effect in accordance with Article VI, Section 6, Houston City Charter.

PASSED AND ADOPTED this 28th day of August, 20 .

APPROVED this day of , 20 .

Mayor of the City of Houston, Texas

Pursuant to Article VI, Section 6, Houston City Charter, the effective date of the foregoing Ordinance is SEP 09 2013.



City Secretary

4600010038
2013-0776

**AMENDMENT NO. 3 TO
CONSTRUCTION MANAGEMENT AT RISK AGREEMENT
PROJECT 500N**

THIS AMENDMENT NO. 3 TO THE CONSTRUCTION MANAGEMENT AT RISK AGREEMENT ("Agreement") is made between the **CITY OF HOUSTON, TEXAS**, a home-rule city ("City"), and **MANHATTAN CONSTRUCTION COMPANY**, an Oklahoma corporation authorized to do business in the State of Texas ("Contractor"). This Amendment No. 3 is effective on the date of countersignature by the City Controller.

BACKGROUND

By City Ordinance No. 2009-1273, passed and adopted by City Council on December 9, 2009, the City entered into the Agreement with the Contractor for renovation and new construction at Terminal D at George Bush Intercontinental Airport/Houston ("Project 500N").

By City Ordinance No. 2011-1189, passed and adopted by City Council on December 21, 2011, the City and Contractor amended the Agreement ("Amendment No. 1") to amend the scope of Project 500N.

By City Ordinance No. 2012-899, passed and adopted by City Council on October 10, 2012, City and Contractor amended the Agreement to amend the Scope of Project 500N ("Amendment No. 2").

The City and the Contractor now desire to further amend the scope of Project 500N and to amend certain other provisions of the Agreement.

For and in consideration of the mutual promises, covenants, agreements, and benefits contained in this Amendment No. 3, the City and the Contractor agree as follows:

I.

A new Phase 2B is added to Section 1.01 of the Agreement, to read as follows:

Phase 2B – FIDS, UPGRADES TO RAMP AREAS, and AIRLINE CLUB - TERMINAL D

1. INTERIOR ENGINEERING
 - a. Demolish FIDS supports and repair floor. Re-layout FIDS support system and install FIDS in all public spaces.
 - b. Demolish existing Baggage Claim enclosure wall at Ticket Level and repair walls to remain to match existing.
2. RAMP AREA UPGRADES
 - a. Upgrade electrical power to gates D2, D4, D5, D7, D9 and D11 to provide for PCA units, 400Hz units.
 - b. Six new PCA units mounted on the PLBs (gates D2, D4, D5, D7, D9 and D11).
 - c. Six new 180KVA/400Hz /28v units mounted on the PLBs (gates D2, D4, D5, D7, D9 and D11).
 - d. Removal of existing PCA units and existing central glycol lines back to building. Repair any damage to removal areas.
 - e. Three new VDGS units at gates D6, D8 and D10.
 - f. Reinstall Passenger Loading Bridge access stair at gate D12.
3. FIDS
 - a. Remove existing FIDS supports and monitors at Ticket Level, Departure Level and Connecting Tunnel and patch floor and walls to match existing.
 - b. Re-layout FIDS support locations and install new FIDS supports and monitors. Tie into Airport system.
4. AIRLINE CLUB
 - a. Provide and install carpet, wall coverings, millwork, lighting, and furnishings as required to upgrade the club.

II.

Section 2.01(l) of the Agreement is amended by changing the Title of Exhibit “D” to read “Phases I, 2A, and 2B, Guaranteed Maximum Price Proposal”.

III.

Exhibit "D" of the Agreement is amended by inserting the approved Guaranteed Maximum Price for Phase 2B as Exhibit "D-3", attached to this Amendment No. 3 as Exhibit "A".

IV.

Section 5.02 (h) (4) of the Agreement is amended by adding the following paragraph:

Construction Manager shall not have any contingency funding available to it for Phase 2B. Consequently, the 7% Construction Phase Contingency for the Construction Manager set forth in Table 5.02A shall not apply to Phase 2B. City Engineer shall have a 5% Construction Phase Contingency available to it (consistent with the Table 5.02A) based on the dollar amount set forth in Contractor's approved GMP. The 5% City Engineer's contingency may be used at City Engineer's sole discretion for (i) any increase in the cost of purchasing equipment set forth in Construction Manager's approved GMP; (ii) any increased costs required to meet accelerated schedules; and (iii) any increase in cost due to unforeseen conditions or incomplete design. All of the unused contingency shall revert to the City at final completion of Phase 2B.

V.

Section 8.04 (2) of the Agreement is amended by deleting the first sentence in its entirety and replacing it with the following:

In order to comply with Article II, Sections 19 and 19a of the City's Charter and Article XI, Section 5 of the Texas Constitution, the City has allocated the following amounts as Appropriated Funds to pay money due under this Agreement: \$3,515,246.00 for Preconstruction Phase Services; \$5,483,211.00 for Phase I Construction Phase, Remodel Terminal D Gates 11 and 12, inclusive of allowances, contingency, Cost of the Work and Construction Manager's Fee; \$2,141,744.00 for Phase 2A Construction Phase, Refresh at Departure Level, inclusive of allowances, contingency, Cost of the Work and Construction Manager's Fee, and \$6,771,892.00 for Phase 2B FIDS, upgrades to Ramp Areas, and Airline Club Upgrade – Terminal D inclusive of contingencies, Cost of Work, and Construction Manager's Fee.


VI.

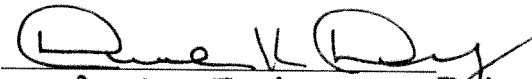
Amendment No. 3, Amendment No. 2, & Amendment No. 1 and the Agreement are to be read and construed as one agreement, but if a conflict or inconsistency among Amendment No. 3, Amendment No. 2, Amendment No. 1 and the Agreement arises, Amendment No. 3 controls over both the Agreement and Amendment Nos. 1 and 2.

The Parties have executed this Amendment No. 3 to the Agreement in multiple copies, each of which is an original.

ATTEST (SEAL) (if a corporation):
WITNESS (if not a corporation):

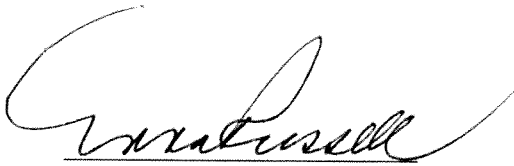
MANHATTAN CONSTRUCTION COMPANY
"Construction Manager"

By: 
Name: Pat Cartwright
Title: Vice President

By: 
Name: DUANE K. MARSH
Title: Sr. V.P.
Tax Identification No.: 33-0338330

ATTEST/SEAL:


CITY OF HOUSTON, TEXAS
Signed by:

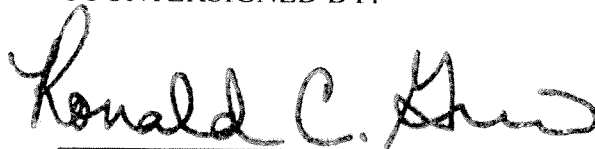

City Secretary


Mayor Matthew G. Appel

APPROVED:

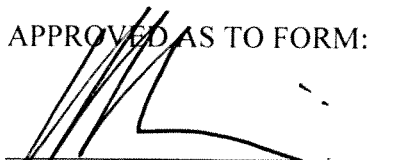
COUNTERSIGNED BY:


Mario C. Diaz, Director
Houston Airport System


City Controller Ch. B. Vm

APPROVED AS TO FORM:

DATE COUNTERSIGNED:


Sr. Assistant City Attorney
L.D. File No. 0040900178005

9-6-13

EXHIBIT "A"



**Guaranteed Maximum Price Proposal
for the**

IAH 500N Terminal D Refresh - Phase IIB FIDS and VDGS Additions

Client: Houston Airport System
Location: Houston, TX
Date: 7/16/2013

DIVISION	DESCRIPTION	AMOUNT
01	General Requirements	\$ 697,577
02	Existing Conditions	\$ 157,558
03	Concrete	\$ -
04	Masonry	\$ -
05	Metals	\$ 393,827
06	Wood, Plastics and Composites	\$ 7,978
07	Thermal and Moisture Protection	\$ 19,600
08	Openings	\$ 20,000
09	Finishes	\$ 299,841
10	Specialties	\$ -
11	Equipment	\$ -
12	Furnishings	\$ 382,606
13	Special Construction	\$ -
14	Conveying Equipment	\$ -
21	Fire Suppression	\$ 11,460
22	Plumbing	\$ -
23	Heating, Ventilating, and Air Conditioning	\$ 1,814,858
26	Electrical	\$ 828,698
27	Communications	\$ 272,826
31	Earthwork/ Piling Foundations	\$ -
32	Exterior Improvements	\$ -
33	Utilities	\$ -
34	Transportation	\$ 247,135
35	Shared Use Lounge	\$ 837,125
	Cost of Work	\$ 5,991,089
	Subguard	1.50% \$ 79,403
	Builder's Risk Insurance	\$ 42,663
	General Liability Insurance	\$ 47,065
	Performance/Payment Bonds	\$ 50,789
	Building Permit Fees	\$ 20,316
	<i>Subtotal</i>	\$ 6,231,324
	Contractor's Profit	3.50% \$ 218,096
	<i>Subtotal</i>	\$ 6,449,421
	Contractor Contingency	0% \$ -
	City Engineer Contingency	5% \$ 322,471
	<i>Subtotal</i>	\$ 6,771,892
	Escalation	0% \$ -
	<i>Subtotal</i>	\$ 6,771,892
	GRAND TOTAL	\$ 6,771,892



July 17, 2013

Houston Airport System
Administration Facility
16930 John F. Kennedy Blvd.
Houston, TX 77032

Attention: Mr. Jerry Johnson, P.E., City Engineer

REF: Project Number 500N, Phase IIB - VDGS and FIDS Additions
Guaranteed Maximum Price Proposal Approval Letter

Dear Mr. Johnson:

Manhattan Construction Company is submitting the attached Guaranteed Maximum Price Proposal associated with the Construction Phase for Project 500N- Phase IIB - VDGS and FIDs Additions in accordance with the requirements identified in the Contract [Ref: 5.01 (h) (3)]. Manhattan's proposal is inclusive all of required Contract requirements including:

- Guaranteed Maximum Price Proposal- Including Summary, Detailed Breakdown, General Condition Costs, Shared Use Lounge Furniture and Construction Costs, and Owner Requested Allowances
- List of Included Allowances
- List of Clarifications and Assumptions
- Manhattan Bid Tabs and Associated Award Recommendation Letters
- Construction Schedule- Identifying Estimated Project Duration Based on an Anticipated Notice to Proceed
- Good Faith Effort Advertising and Estimated MWDBE Participation

The attached proposal only includes those costs associated with Phase IIB -VDGS and FIDS Additions at Terminal D at George Bush Intercontinental Airport. Manhattan Construction Company will provide separate Guaranteed Maximum Price Proposals for any additional Construction Phases under a separate cover that may arise or be required. Please sign below indicating your acceptance of the attached Guaranteed Maximum Pricing Proposal.



Sincerely,
MANHATTAN CONSTRUCTION COMPANY

Duane K. Duffy
Senior Vice President

Approved:

Jerry Johnson, P.E. City Engineer

Date: 07-17-2013



Guaranteed Maximum Price Proposal
for the
IAH 500N Terminal D Refresh - Phase IIB FIDS and VDGS Additions

Client: Houston Airport System
Location: Houston, TX
Date: 7/16/2013

DIVISION	DESCRIPTION	AMOUNT
01	General Requirements	\$ 697,577
02	Existing Conditions	\$ 157,558
03	Concrete	\$ -
04	Masonry	\$ -
05	Metals	\$ 393,827
06	Wood, Plastics and Composites	\$ 7,978
07	Thermal and Moisture Protection	\$ 19,600
08	Openings	\$ 20,000
09	Finishes	\$ 299,841
10	Specialties	\$ -
11	Equipment	\$ -
12	Furnishings	\$ 382,606
13	Special Construction	\$ -
14	Conveying Equipment	\$ -
21	Fire Suppression	\$ 11,460
22	Plumbing	\$ -
23	Heating, Ventilating, and Air Conditioning	\$ 1,814,858
26	Electrical	\$ 828,698
27	Communications	\$ 272,826
31	Earthwork/ Piling Foundations	\$ -
32	Exterior Improvements	\$ -
33	Utilities	\$ -
34	Transportation	\$ 247,135
35	Shared Use Lounge	\$ 837,125
	Cost of Work	\$ 5,991,089
	Subguard	1.50% \$ 79,403
	Builder's Risk Insurance	\$ 42,663
	General Liability Insurance	\$ 47,065
	Performance/Payment Bonds	\$ 50,789
	Building Permit Fees	\$ 20,316
	<i>Subtotal</i>	\$ 6,231,324
	Contractor's Profit	3.50% \$ 218,096
	<i>Subtotal</i>	\$ 6,449,421
	Contractor Contingency	0% \$ -
	City Engineer Contingency	5% \$ 322,471
	<i>Subtotal</i>	\$ 6,771,892
	Escalation	0% \$ -
	<i>Subtotal</i>	\$ 6,771,892
	GRAND TOTAL	\$ 6,771,892

DETAILED BUDGET REPORT

Guaranteed Maximum Price Proposal

16-Jul-13

for the

IAH 500N Terminal D Refresh - Phase IIB FIDS and VDGS Additions

Section	Description	Quantity	Unit	Total Cost		
				Labor	Material	Sub
DIVISION 01 - GENERAL REQUIREMENTS						
	General Conditions	1	LSUM	497,715	46,663	EQUIP 56,034
	Brian Smith Document Control	8.5	MT			97,165
				497,715	46,663	153,199
				0		
					0	
						697,577
DIVISION 02 - EXISTING CONDITIONS						
02 4119	Select Demolition	1	LS	0	0	112,745
	Demolition of Acoustical Ceilings		w/ Select Demo Quote			
	Demolition of Gypsum Assemblies		w/ Select Demo Quote			
	Demolition of Plastic Laminate Panels		w/ Select Demo Quote			
	Demolition of Wall Base		w/ Select Demo Quote			
	Dust and Protection Enclosures		w/ Select Demo Quote			
		112,745				
	Structural Steel Demolition					
	With Structural Steel Proposal			0	0	0
		0				
	Temporary Construction and Protection					
	Temporary Ramp and Curb Protection	1	LS	0	0	0
	Daily Clean-Up and Escorting	8	MT	2,000	10,000	0
		35,555		23,555	0	0
				25,555	10,000	112,745
				8,433		
					825	
						157,558
DIVISION 03 - CONCRETE						
	Concrete included with Electrical and Terrazzo Scopes			0	0	0
		0				
				0	0	0
				0		
					0	
						0
DIVISION 04 - MASONRY						
	None			0	0	0
		0				

Guaranteed Maximum Price Proposal
for the
IAH 500N Terminal D Refresh - Phase IIB FIDS and VDGS Additions

16-Jul-13

Section	Description	Quantity	Unit	Total Cost		
				Labor	Material	Sub
				0	0	0
				0		
					0	
				DIVISION 04 SUB-TOTAL		
						0
DIVISION 05 - METALS						
05 7000	Miscellaneous Metals for Modified Red Cap (ALLOWANCE)	45 LF		0	0	4,500
						4,500
05 7300	Structural Steel, Miscellaneous Metals	1 LS		0	11,781	327,546
	Structural Steel Demolition	w/ Steel Quote		0	0	0
	Miscellaneous Metals for IDS Support	w/ Steel Quote		0	0	0
	AOA Insurance Premium Allowance for Steel	1 LS		0	50,000	0
10 1200	IDS - FORMS and SURFACES BANKS	w/ Steel Quote		Estimated value for Forms and Surface Materials \$72,000		
						389,327
				0	61,781	332,046
				0		
				DIVISION 05 SUB-TOTAL		
						393,827
DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES						
	Plastic Laminate Beam Repair at FIDS Banks at Entry Vestibules (ALLOWANCE)	2 Ea		0	0	7,978
						7,978
				0	0	7,978
				0		
					0	
				DIVISION 06 SUB-TOTAL		
						7,978
DIVISION 07 - THERMAL AND MOISTURE PROTECTION						
07 8010	Fireproofing Patching and Repair	1 LS		0	0	19,600
						19,600
				0	0	19,600
				0		
					0	
				DIVISION 07 SUB-TOTAL		
						19,600
DIVISION 08- OPENINGS						

Guaranteed Maximum Price Proposal

16-Jul-13

for the

IAH 500N Terminal D Refresh - Phase IIB FIDS and VDGS Additions

Section	Description	Quantity	Unit	Total Cost		
				Labor	Material	Sub
	Curtain Wall Glass Removal and Replacement (ALLOWANCE)	20,000	1 LS	0	20,000	0
				0	20,000	0
				0		
				DIVISION 08 SUB-TOTAL		20,000

DIVISION 09 – FINISHES

09 2216	Gypsum Board Assemblies					
09 2900	Wall Patching at Blocking, Faux Panel Wall Finish and Framing at Wheel Chair	1 LS		0	0	88,569
06 1000	Rough Carpentry					
09 2713	Glass Fiber Reinforced Plaster (GFRP) Fabrications					
		88,569				
09 000	General Provisions					
	Periodic Clean-Up: Building	9 WKS		7,597	213	0
	Final Clean: Building	42,500 SF		0	0	14,875
	Dumpster Fees	20 PULLS		0	7,036	0
	Night Supervision	7 MO		0	10,913	85,134
	OSHA Supplies	9		0	1,275	0
	Fire Extinguishers	9 EA		0	723	0
		127,765				
09 6613	Terrazzo and Floor Repairs					
	Terrazzo Patching at Demoed Bollards	1 LS		0	0	65,000
	Terrazzo Patching at Demoed Columns	w/Terrazzo LS Bid				
	Carpet Patching at Revised FIDS Banks	w/Terrazzo LS Bid				
	Concrete patching at Demoed Exterior Bollards	w/Terrazzo LS Bid				
		65,000				
09 9123	Interior Painting					
	Painting of New Faux Panel Wall Finish	1 LS		0	0	16,000
	Painting at wall and ceiling patches	w/Paint LS Bid				
	Painting of Temporary Partition Walls	w/Paint LS Bid				

Guaranteed Maximum Price Proposal

16-Jul-13

**for the
IAH 500N Terminal D Refresh - Phase IIB FIDS and VDGS Additions**

Section	Description	Quantity	Unit	Total Cost		
				Labor	Material	Sub
	Texture at Wall and Ceiling Patches	16,000	w/Paint LS Bid			
				7,597	20,159	269,578
				2,507		
					0	
				DIVISION 09 SUB-TOTAL		
				299,841		
DIVISION 10 – SPECIALTIES						
10 1200	IDS - FIDS - Forms and Surfaces Banks and Displays - With Structural Steel	0		0	0	0
				0	0	0
				0	0	0
					0	
				DIVISION 10 SUB-TOTAL		
				0		
DIVISION 11 – EQUIPMENT						
	None	0		0	0	0
				0	0	0
				0	0	0
					0	
				DIVISION 11 SUB-TOTAL		
				0		
DIVISION 12 – FURNISHINGS						
	Shared Use Lounge Furniture			0	0	0
	JCS Furniture Quote	1 LS		353,872	0	0
	McCoy Furniture Quote	1 LS		28,734	0	0
		382,606				
				382,606	0	0
				0		
					0	
				DIVISION 12 SUB-TOTAL		
				382,606		
DIVISION 13 - SPECIAL CONSTRUCTION						
	None	0		0	0	0
				0	0	0
				0	0	0
					0	
				DIVISION 13 SUB-TOTAL		
				0		
				Subtotal		
				0	0	0

Guaranteed Maximum Price Proposal
for the
IAH 500N Terminal D Refresh - Phase IIB FIDS and VDGS Additions

16-Jul-13

Section	Description	Quantity	Unit	Total Cost		
				Labor	Material	Sub
				0	0	0
				DIVISION 13 SUB-TOTAL		
				0	0	0
DIVISION 14 - CONVEYING EQUIPMENT						
None						
0				0	0	0
				0	0	0
				DIVISION 14 SUB-TOTAL		
				0	0	0
DIVISION 21 - FIRE SUPPRESSION						
Fire Sprinkler Line Demo and Capping. Salvage of demoed sprinkler heads.				1 LS	0	11,460
11,460				0	0	11,460
				0	0	11,460
				DIVISION 21 SUB-TOTAL		
				0	0	11,460
DIVISION 22 - PLUMBING						
None						
0				0	0	0
				0	0	0
				DIVISION 22 SUB-TOTAL		
				0	0	0
DIVISION 23 - HEATING, VENTILATING, AND AIR						
02 4223	HVAC Select Demo- Kilgore		1 LS	0	0	46,500
	Demo of Glycol Lines		w/ HVAC Demo			
		46,500				
Multiple	PCA and 400Hz		1 LS	0	0	1,768,358
23 8121	Pre-Conditioned Air Handlers		w/ PCA/400hz RFP			
26 3543	400 HZ		w/ PCA/400hz RFP			
	Installation of Stairs at Gate D12		w/ PCA/400hz RFP			
		1,768,358				

Guaranteed Maximum Price Proposal

16-Jul-13

**for the
IAH 500N Terminal D Refresh - Phase IIB FIDS and VDGS Additions**

Section	Description	Quantity	Unit	Total Cost		
				Labor	Material	Sub
Subtotal				0	0	1,814,858
Labor Burden				0		
Sales Tax					0	
DIVISION 23 SUB-TOTAL						1,814,858
DIVISION 26 - ELECTRICAL						
Multiple	Electrical and Communications		1 LS	0	0	828,698
				0	0	0
		828,698				
Subtotal				0	0	828,698
Labor Burden				0		
Sales Tax					0	
DIVISION 26 SUB-TOTAL						828,698
DIVISION 27 - COMMUNICATIONS						
27 0528	Horizontal Media Infrastructure Included with Electrical Quote	0		0	0	0
27 4100	EVIDS Infax Software and Programming Breakout		1 LS w/ EVIDS RFP	0	0	272,826
		272,826				
Subtotal				0	0	272,826
Labor Burden				0		
Sales Tax					0	
DIVISION 27 SUB-TOTAL						272,826
DIVISION 31 - EARTHWORK						
	None			0	0	0
		0				
Subtotal				0	0	0
Labor Burden				0		
Sales Tax					0	
DIVISION 31 SUB-TOTAL						0
DIVISION 32 - EXTERIOR IMPROVEMENTS						
	None			0	0	0
		0				
Subtotal				0	0	0

Break out value for Infax Software and programming \$56,495

Guaranteed Maximum Price Proposal

16-Jul-13

for the

IAH 500N Terminal D Refresh - Phase IIB FIDS and VDGS Additions

Section	Description	Quantity	Unit	Total Cost		
				Labor	Material	Sub
Labor Burden				0		
Sales Tax					0	
DIVISION 32 SUB-TOTAL						0
DIVISION 33 - UTILITIES						
	None			0	0	0
		0				
Subtotal				0	0	0
Labor Burden				0		
Sales Tax					0	
DIVISION 33 SUB-TOTAL						0
DIVISION 34 - TRANSPORTATION						
34 4333	VDGS	1	LS	0	0	258,935
	Shared savings with Electrical Package	1	LS	0	0	-11,800
						247,135
Subtotal				0	0	247,135
Labor Burden				0		
Sales Tax					0	
DIVISION 33 SUB-TOTAL						247,135

DETAILED BUDGET REPORT

Guaranteed Maximum Price Proposal
 for the
IAH 500N Terminal D Refresh - Phase IIB Shared Lounge

16-Jul-13

Section	Description	Quantity	Unit	Total Cost		
				Labor	Material	Sub
DIVISION 01 - GENERAL REQUIREMENTS						
	General Conditions (w/ Base GMP)	1	LSUM	0	0	EQUIP 0
	Brian Smith Document Control		MT			0
<i>Subtotal</i>				0	0	0
<i>Labor Burden</i>				0		
<i>Sales Tax</i>					0	
DIVISION 01 SUB-TOTAL						0
DIVISION 02 - EXISTING CONDITIONS						
	Select Demolition	1	LS	0	0	14,848
	Demolition of Gypsum Assemblies			0	0	0
	Demolition of Millwork			0	0	0
	Demolition of Carpet			0	0	0
	Demolition of Walls			0	0	0
	Removal & Relocation of Existing Furniture			0	0	0
	Support existing MEP and speakers	1	LS	0	0	1,500
						16,348
	Temporary Construction and Protection	1	LS	0	0	0
	Dust and Protection Enclosures			0	0	8,000
	Daily Clean-Up and Escorting	8	WKS	6,720	0	0
	Final Clean			0	0	0
						14,720
<i>Subtotal</i>				6,720	0	24,348
<i>Labor Burden</i>				2,218		
<i>Sales Tax</i>					0	
DIVISION 02 SUB-TOTAL						33,286
DIVISION 03 - CONCRETE						
	None	0		0	0	0
<i>Subtotal</i>				0	0	0
<i>Labor Burden</i>				0		
<i>Sales Tax</i>					0	
DIVISION 03 SUB-TOTAL						0
DIVISION 04 - MASONRY						
	None	0		0	0	0

Guaranteed Maximum Price Proposal

16-Jul-13

for the

IAH 500N Terminal D Refresh - Phase IIB Shared Lounge

Section	Description	Quantity	Unit	Total Cost		
				Labor	Material	Sub
				0	0	0
				0		
					0	
				DIVISION 04 SUB-TOTAL		0
DIVISION 05 - METALS						
	Structural Steel, Miscellaneous Metals	1	LS	0	0	52,667
	Structural Steel Supports & Blocking for Storefronts			0	0	0
	Miscellaneous Decorative Metals for Decorative Columns			0	0	0
	Structural Steel Supports for Ceiling Trellises			0	0	0
						52,667
				0	0	52,667
				0		
				DIVISION 05 SUB-TOTAL		52,667
DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES						
	Millwork	1	LS	0	0	298,426
	New Buffet			0	0	0
	Specialty Laminate Partitions			0	0	0
	Wood Wall Paneling, Wall Base & Transitions			0	0	0
	Wood Cased Openings at Lobby			0	0	0
	Lower Section of Bar to ADA			0	0	0
	New Solid Surface Cladding for Exterior Columns at Lobby Entrance			0	0	0
	Specialty Veneer Panels with Shelves			0	0	0
	TV Wall Bracket for Back Bar			0	0	0
						298,426
				0	0	298,426
				0		
				DIVISION 06 SUB-TOTAL		298,426
DIVISION 07 - THERMAL AND MOISTURE PROTECTION						
	None	0		0	0	0

Guaranteed Maximum Price Proposal
for the
IAH 500N Terminal D Refresh - Phase IIB Shared Lounge

16-Jul-13

Section	Description	Quantity	Unit	Total Cost		
				Labor	Material	Sub
				0	0	0
				0	0	0
				0		0
				DIVISION 07 SUB-TOTAL		
				0		
DIVISION 08- OPENINGS						
	Storefronts	1	LS	0	0	48,000
	Automatic Glass Sliding Double Doors at Lobby			0	0	0
	Manual Glass Sliding Door and Side Lights at Conference Room			0	0	0
	Signage Allowance	1	EA	0	0	1,000
	49,000					
				0	0	49,000
				0	0	0
				0		49,000
				DIVISION 08 SUB-TOTAL		
				49,000		
DIVISION 09 – FINISHES						
	Gypsum Board Assemblies					
	Wood blocking for TV in Media Room and Specialty Shelves in Back Bar	1	LS	0	0	39,425
	Fur-downs at Cased Openings and at Conference Room					
	Prep all walls with Level 4 Finish for Specailty Wall Coverings					
	Provide gypsum patching at all demo locations and wood blocking locations					
	Wood Blocking for Acrylic Panels (MCC Plug for IDEAL)	10	Ea			6,050
	45,475					
	Flooring					
	Wood Flooring	1	LS	0	0	64,002
	Carpet Flooring					
	Stone Flooring					
	Specialty Mosaic Feature in Lobby					
	Flooring Underlayment (MCC Addd Option)	1	LS	0		528
	64,530					
	Interior Painting					
	Priming, Sanding, and Painting of Walls	1	LS	0	0	20,000
	FRP Panel at Back Bar					
	Painting of Temporary Partition Walls					
	Fabric Wall Coverings					
	Field Paint Trellis and Unistrut	1	LS	0		7,000
	27,000					

Guaranteed Maximum Price Proposal
for the
IAH 500N Terminal D Refresh - Phase IIB Shared Lounge

16-Jul-13

Section	Description	Quantity	Unit	Total Cost		
				Labor	Material	Sub
	Ceilings	1	LS	0	0	27,850
	New Ceiling Grid & Tiles in VIP Room, Lobby, Relaxation Room, and Conference Room			0	0	0
	Replace Damaged or Missing Tiles with Salvaged Existing Tiles and Grid in Main Lounge Space			0	0	0
	Decorative Ceiling Mounted Trellises	1	LS	0	0	27,900
	Provide Cut Outs for Ceiling Fixtures			0	0	0
	New Sound Insulation Above Ceiling	1	LS	0	0	2,000
	57,750					
Subtotal				0	0	194,755
Labor Burden				0		
Sales Tax					0	
				DIVISION 09 SUB-TOTAL		194,755
DIVISION 10 – SPECIALTIES						
	None			0	0	0
				0	0	0
Subtotal				0	0	0
Labor Burden				0		
Sales Tax					0	
				DIVISION 10 SUB-TOTAL		0
DIVISION 11 – EQUIPMENT						
	None			0	0	0
				0	0	0
Subtotal				0	0	0
Labor Burden				0		
Sales Tax					0	
				DIVISION 11 SUB-TOTAL		0
DIVISION 12 – FURNISHINGS						
	None			0	0	0
				0	0	0
Subtotal				0	0	0
Labor Burden				0		
Sales Tax					0	
				DIVISION 12 SUB-TOTAL		0
DIVISION 13 - SPECIAL CONSTRUCTION						
	None			0	0	0

Guaranteed Maximum Price Proposal
for the
IAH 500N Terminal D Refresh - Phase IIB Shared Lounge

16-Jul-13

Section	Description	Quantity	Unit	Total Cost		
				Labor	Material	Sub
		0				
			Subtotal	0	0	0
			Labor Burden	0		
			Sales Tax		0	
			DIVISION 13 SUB-TOTAL			0
DIVISION 14 - CONVEYING EQUIPMENT						
	None			0	0	0
		0				
			Subtotal	0	0	0
			Labor Burden	0		
			Sales Tax		0	
			DIVISION 14 SUB-TOTAL			0
DIVISION 21 - FIRE SUPPRESSION						
	Relocate Sprinkler Heads and Branch Lines	1	LS	0	0	4,480
		4,480				
			Subtotal	0	0	4,480
			Labor Burden	0		
			Sales Tax		0	
			DIVISION 21 SUB-TOTAL			4,480
DIVISION 22 - PLUMBING						
	None			0	0	0
			Subtotal	0	0	0
			Labor Burden	0		
			Sales Tax		0	
			DIVISION 22 SUB-TOTAL			0
DIVISION 23 - HEATING, VENTILATING, AND AIR CONDITIONING						
	HVAC	1	LS	0	0	45,920
	Relocate Diffusers and Registers					
	Raise Ductwork for Raised Ceilings					
	Repair or Replace Damaged Diffusers					
		45,920				
			Subtotal	0	0	45,920
			Labor Burden	0		
			Sales Tax		0	
			DIVISION 23 SUB-TOTAL			45,920

Guaranteed Maximum Price Proposal
 for the
IAH 500N Terminal D Refresh - Phase IIB Shared Lounge

16-Jul-13

Section	Description	Quantity	Unit	Total Cost		
				Labor	Material	Sub
DIVISION 26 - ELECTRICAL						
	Electrical and Communications	1	LS	0	0	156,111
	Demolish All Existing Lighting			0	0	0
	Temporary Lighting and Power for All Trades					
	New Light Fixtures					
	Remove & Replace All Electrical Outlets					
	Provide Power Outlets in New Buffet					
	Demolish Existing Light Switches					
	New Dimming Panel for New Light System					
	New Panelboard, Transformer, & Access Panels					
	New Circuit Breakers and Switches					
	New Housekeeping Pads					
		156,111				
			Subtotal	0	0	156,111
			Labor Burden	0		
			Sales Tax		0	
				DIVISION 26 SUB-TOTAL		156,111
DIVISION 27 - COMMUNICATIONS						
	Remove and re-install card reader	2,480	1 LS	0	0	2,480
					0	0
			Subtotal	0	0	2,480
			Labor Burden	0		
			Sales Tax		0	
				DIVISION 27 SUB-TOTAL		2,480
DIVISION 31 - EARTHWORK						
	None	0		0	0	0
			Subtotal	0	0	0
			Labor Burden	0		
			Sales Tax		0	
				DIVISION 31 SUB-TOTAL		0
DIVISION 32 - EXTERIOR IMPROVEMENTS						
	None	0		0	0	0

Guaranteed Maximum Price Proposal

16-Jul-13

for the

IAH 500N Terminal D Refresh - Phase IIB Shared Lounge

Section	Description	Quantity	Unit	Total Cost		
				Labor	Material	Sub
			Subtotal	0	0	0
			Labor Burden	0		
			Sales Tax		0	
			DIVISION 33 SUB-TOTAL			0
DIVISION 33 - UTILITIES	None	0		0	0	0
			Subtotal	0	0	0
			Labor Burden	0		
			Sales Tax		0	
			DIVISION 33 SUB-TOTAL			0
DIVISION 34 - TRANSPORTATION	None	0				
			Subtotal	0	0	0
			Labor Burden	0		
			Sales Tax		0	
			DIVISION 33 SUB-TOTAL			0

Ordinance 2014-708 (Including Contract)

Project Number 500N

Phase III Amendment

No. 4

7.16.14


Controller's Office

To the Honorable Mayor and City Council of the City of Houston, Texas:

I hereby certify, with respect to the money required for the contract, agreement, obligation or expenditure contemplated by the ordinance set out below that:

- () Funds have been encumbered out of funds previously appropriated for such purpose.
- () Funds have been certified and designated to be appropriated by separate ordinance to be approved prior to the approval of the ordinance set out below.
- () Funds will be available out of current or general revenue prior to the maturity of any such obligation.
- () No pecuniary obligation is to be incurred as a result of approving the ordinance set out below.
- (X) The money required for the expenditure or expenditures specified below is in the treasury, in the fund or funds specified below, and is not appropriated for any other purposes.
- () A certificate with respect to the money required for the expenditure or expenditures specified below is attached hereto and incorporated herein by this reference.

() Other - *Amend. #4 to Contract*

Ch.B. 1/2 
City Controller of the City of Houston, Texas

Date: 7-7, 2014

FUND REF: 8011-2800-520128-520755 AMOUNT: \$ 3,866,110.00 ENCUMB. NO.: 3-3354

MB
WFS
0A46-10038
FMBB#3-16041

City of Houston Ordinance No. 2014-708

AN ORDINANCE APPROPRIATING THE SUM OF \$3,866,110.00 OUT OF THE AIRPORTS IMPROVEMENT FUND AND APPROVING AND AUTHORIZING AMENDMENT NO. 4 TO THE CONSTRUCTION MANAGEMENT AT RISK AGREEMENT BETWEEN THE CITY OF HOUSTON AND MANHATTAN CONSTRUCTION COMPANY FOR TERMINAL D PHASE III EQUIPMENT, MATERIALS AND PRECONSTRUCTION SERVICES AT GEORGE BUSH INTERCONTINENTAL AIRPORT/HOUSTON (PROJECT NO. 500N; CONTRACT NO. 4600010038); PROVIDING FUNDING FOR CONTINGENCIES RELATING TO CONSTRUCTION OF FACILITIES FINANCED BY SUCH FUNDS; CONTAINING PROVISIONS RELATING TO THE SUBJECT; AND DECLARING AN EMERGENCY.

* * * *

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF HOUSTON, TEXAS:

Section 1. The City Council hereby appropriates the sum or sums of money set out in the title of this Ordinance, out of the respective fund or funds set out in such title as follows: The sum of **\$3,514,646.00** is appropriated for construction of the project described in the title and the sum of **\$351,464.00** is appropriated for contingency.

Section 2. The City Council hereby approves and authorizes the contract, agreement or other undertaking described in the title of this Ordinance, in substantially the form as shown in the document which is attached hereto and incorporated herein by this reference. The Mayor is hereby authorized to execute such document and all related documents on behalf of the City of Houston. The City Secretary is hereby authorized to attest to all such signatures and to affix the seal of the City to all such documents.

Section 3. The Mayor is hereby authorized to take all actions necessary to effectuate the City's intent and objectives in approving such agreement, agreements or other undertaking described in the title of this ordinance, in the event of changed circumstances.

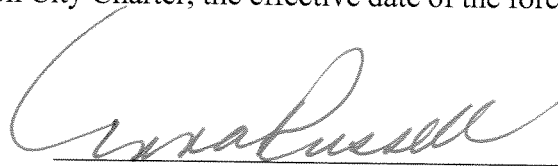
Section 4. The City Attorney is hereby authorized to take all action necessary to enforce all legal obligations under said contract without further authorization from Council.

Section 5. There exists a public emergency requiring that this Ordinance be passed finally on the date of its introduction as requested in writing by the Mayor; therefore, this Ordinance shall be passed finally on such date and shall take effect immediately upon its passage and approval by the Mayor; however, in the event that the Mayor fails to sign this Ordinance within five days after its passage and adoption, it shall take effect in accordance with Article VI, Section 6, Houston City Charter.

PASSED AND ADOPTED this 16th day of July, 2014.
APPROVED this _____ day of _____, 20____.

Mayor of the City of Houston, Texas

Pursuant to Article VI, Section 6, Houston City Charter, the effective date of the foregoing Ordinance is JUL 22 2014.



City Secretary

**AMENDMENT NO. 4 TO
CONSTRUCTION MANAGEMENT AT RISK AGREEMENT
PROJECT 500N**

THIS AMENDMENT NO. 4 TO THE CONSTRUCTION MANAGEMENT AT RISK AGREEMENT ("Agreement") is made between the **CITY OF HOUSTON, TEXAS**, a home-rule city ("City"), and **MANHATTAN CONSTRUCTION COMPANY**, an Oklahoma corporation authorized to do business in the State of Texas ("Contractor"). This Amendment No. 4 is effective on the date of countersignature by the City Controller.

BACKGROUND

By City Ordinance No. 2009-1273, passed and adopted by City Council on December 9, 2009, the City entered into the Agreement with the Contractor for renovation and new construction at Terminal D at George Bush Intercontinental Airport/Houston ("Project 500N").

By City Ordinance No. 2011-1189, passed and adopted by City Council on December 21, 2011, the City and Contractor amended the Agreement ("Amendment No. 1") to amend the scope of Project 500N.

By City Ordinance No. 2012-899, passed and adopted by City Council on October 10, 2012, City and Contractor amended the Agreement ("Amendment No. 2") to amend the Scope of Project 500N ("Amendment No. 2").

By City Ordinance No. 2013-0776, passed and adopted by the City Council on August 28, 2013, City and Contractor amended the Agreement ("Amendment No. 3") to amend the Scope of Project 500N and to amend certain other provisions of the Agreement.

For and in consideration of the mutual promises, covenants, agreements, and benefits contained in this Amendment No. 4, the City and the Contractor agree as follows:

I.

A new Phase 3 is added to Section 1.01 of the Agreement, to read as follows:

Phase 3 – Phase III Equipment including two walkways, two loading bridges, two PC Air Units, two Potable Water Cabinets, one 180kva 400 HZ GPU Units for Gate D9 and Gate D9A and long lead materials for restroom improvements and General Conditions. Following is a more detailed list of equipment and materials to be provided by the Contractor Freight on Board:

PN500N TERMINAL D PHASE III EQUIPMENT PACKAGE

GATE D9A

- Three tunnel operable Passenger Loading Bridges (PLB): The PLB rotunda is at elevation 121' (ground level is at 100') and manufactured by Thyssen-Krupp, JetBridge International Inc. or approved equal. The PLB capable of serving the upper doorway (U1) on an Airbus A380-800. Include standard interior finishes and lighting, support column for the PLB and anchor bolts and nuts, washers and templates. Meet all ADA requirements and all governmental requirements and codes.
- Fixed Metal Walkway: (approx. 143' from the building outer face to the PLB rotunda) at floor elev. 121' (same as the building floor level). Include standard interior finishes and lighting, three (3) rooftop A/C units, anchor bolts, nuts, washers and templates. Meet all ADA requirements and governmental requirements and codes.
- One (1) 120 ton independent DX Pre-Conditioned Air (PCA) Units by 'Trilectron', Cavotec or approved equal. Provide mounting brackets for underside mounting to the new PLB.
- One (1) 180kva, 400Hz Ground Power Units (GPU). Provide mounting brackets for mounting onto the new PLB.
- One (1) ground mounted stainless steel Potable Water Cabinet by 'Semler' Industries or approved equal. The Potable Water Cabinet is to provide a 25 gallons per minute (gpm) flow rate, motorized hose reel, a minimum of 300 ft. of water hose and to meet the unique requirements of an A380 aircraft.
-
- **GATE D9**
- Three tunnel operable Passenger Loading Bridges (PLB): The PLB rotunda is at the existing elevation of the existing gate D9 Boarding Pod aircraft access door and manufactured by Thyssen-Krupp, JetBridge International Inc. or approved equal. Include standard interior finishes and lighting, support column for the PLB and anchor bolts and nuts, washers and templates. Meet all ADA requirements and all governmental requirements and codes.
- Fixed Metal Walkway: (approx. 20' from the existing Boarding Pod outer face at the existing aircraft access door to the PLB rotunda). Include standard interior finishes and lighting, one (1)

rooftop A/C unit, steel support columns for the Fixed Metal Walkway, anchor bolts, nuts, washers and templates. Meet all ADA requirements and all governmental requirements and codes.

- One (1) 120 ton independent DX Pre-Conditioned Air (PCA) Units by 'Trilectron', Cavotec or approved equal. Provide mounting brackets for underside mounting to the new PLB.
- One (1) stainless steel Potable Water Unit that is manufactured to be mounted onto the new PLB.

EQUIPMENT FOR MEN & WOMEN RESTROOMS AT GATE D9

- 8 Urinals by Toto; Model: UT104EV - #01 Cotton Color
- 20 Water Closets (WC) w/ Seats by Toto; Model: CT708EV, Wall Hung
- 17 Lavatories by Sloan; Silestone Quartz Trough Sink, Finish – SS-1
- 1 Mop Sink by Zurn; Model:1996-24 - Floor Mounted 24" X 24"
- 17 Faucet/Hand Dryers - Dyson
- 28 Automatic Flushometers for Urinals & WCs by Toto; Model: TET2LN- Wall Mounted, Satin finish
- 660 sq' Metal Ceiling System – Flat - Gordon - R116-532DG12-12%
Open,Fin-PDR30811 Acroguard AST1 11 mill fin.
- 440 sq' Metal Ceiling System – Curved - Gordon - R116-764ST23-23%
Open,Fin-PDR30113 Acroguard Bianco mill fin.
- 880 sq' Acoustical Ceiling Tile & Grid - Armstrong - Ultima-Tegular, 24" X 24" X 3/4", 9/16" Beveled; Grid: Interlude XL 9/16", White
- 2500 sq' Wall Tiles - WT1-WT-4 La Nova Tile for pattern & colors
- 1000 sq' Wall Tiles on back wall of stalls - W-5 - La Nova Tile – Collection: 80.4 , 32" X 32" Color-Blanco for pattern & color
- 19 Metal Toilet Stalls - Gage Architectural Products Pattern GM4225 (FRC)
- 8 Metal Urinal Screens - Gage Architectural Products Pattern GM4225 (FRC)
- 350 sq' Silestone Lavatory Countertops & Sides; Shelves at WC & Urinals
- 8 Stainless Steel Shelves at Mirrors – Bobrick – B-298; 24" long
- 2 Electric Mirrors w/ Plexiglass by Silhouette Light Mirror;
Model: SIL-99.00x57.00-LD-M 99" X 57"
- 3 Electric Mirrors w/ Plexiglass by Silhouette Light Mirror;
Model: SIL-66.00x57.00-LD-M 66" X 57"
- 1 Mirror by Bobrick; Model: B-165; 48" x 36"
- 6 Stainless steel Handicapped Grab Bars 42" – B-5806
- 6 Stainless steel Handicapped Grab Bars 36" – B-5806
- 65 Downlight Light Fixture by Focal Point-Series:id-FL6D-20LED-L30-RO-1, 6" aperture LED w/ bulbs
- 20 L2 – L8 Architectural Lighting Fixture by Mark; Series; Fin; Clear

- sides frosted edges w/ bulbs
- 29 L9 - Luminaire LED Lighting Fixture by Focal Point; Series: Trace LED Cove; Model: FTRL; Matte White housing w/ frosted lens sides frosted edges w/ bulbs
- 62 sq' Glass Mosaic Graphic Signs w/ Plexiglas Border
- 1 Water Fountains w/ Water Bottle Refill Station by Haisey Taylor; Model: Hydroboost- In-wall design
- 2 Baby Diaper Changing Shelf – 5' X 2'
- 2 Bio Shelf – 5' X 2'
- 115 sq' Glass Laboratory Screen by Skyline design; custom Line Pattern two sided; Custom Etched Pattern both sides
- 4 Stainless Steel Towel Waste Receptacle Units by Bradley; Model: B-3974, Recessed Convertible
- 1 Mop & broom Holder by Bobrick; Model: B-223 – 24" long
- 14 Stainless Steel Sanitary Napkin Disposal by Bobrick; Model: B-254
- 20 Stainless steel Purse/Robe Hanger by Bobrick; Model: B-212
- 19 Soap & Hand Lotion Dispensers by Sloan; Model: SJS-1750; Electronic Foam, Sensor Activated w/ Silver Top
- 20 Toilet Tissue Dispenser by Bobrick; Model: B-2892
- 20 Stainless Steel Toilet Seat Cover Dispenser by Bobrick; Model: B221

II.

Section 2.01 (1) of the Agreement is amended by changing the Title of Exhibit "D" to read "Phases 1, 2A, 2B and 3, Guaranteed Maximum Price Proposal".

III.

Exhibit "D" of the Agreement is amended by inserting the approved Guaranteed Maximum Price for Phase III as Exhibit "D-4", attached to this Amendment No. 4 as Exhibit "A".

IV.

Section 8.04 (2) of the Agreement is amended by deleting the first sentence in its entirety and replacing it with the following:

In order to comply with Article II, Sections 19 and 19a of the City's Charter and Article XI, Section 5 of the Texas Constitution, the City has allocated the following amounts as Appropriated Funds to pay money due under this Agreement: \$3,515,246.00 for Preconstruction Phase Services; \$5,483,211.00 for Phase I Construction Phase, Remodel Terminal D Gates 11 and 12, inclusive of allowances, contingency, Cost of Work and Construction Manager's Fee; \$2,141,744.00 for Phase 2A Construction Phase, Refresh at Departure Level, inclusive of allowances, contingency, Cost of Work and Construction Manager's Fee; \$6,771,892.00 for Phase 2B FIDS, upgrades to Ramp Areas, and Airline Club Upgrade – Terminal D inclusive of Cost of Work and Construction Manager's Fee; \$3,866,110.00 for Gate 9/9A equipment, bathroom remodel material allowance, and general conditions inclusive of allowances, contingency, and Construction Manager's Fee.

V.

The Agreement, Amendment No. 3, Amendment No. 2, Amendment No. 1 and this Amendment No. 4 are to be read and construed as one agreement, but if a conflict or inconsistency arises among the Agreement, Amendment No. 4, Amendment No. 3, Amendment No. 2, and Amendment No. 1, then this Amendment No. 4 controls.

The Parties have executed this Amendment No. 4 to the Agreement in multiple copies, each of which is an original.

ATTEST (SEAL) (if a corporation):
WITNESS (if not a corporation):

MANHATTAN CONSTRUCTION COMPANY
"Construction Manager"

By: [Signature]
Name: Annette Arabie
Title: Executive Assistant

By: [Signature]
Name: Pat Cartwright
Title: Sr. Vice President
Tax Identification No.: 13-0338330

ATTEST/SEAL:

CITY OF HOUSTON, TEXAS
Signed by:

City Secretary

Mayor

APPROVED:

COUNTERSIGNED BY:

[Signature]
Mario C. Diaz, Director
Houston Airport System

City Controller

APPROVED AS TO FORM:

DATE COUNTERSIGNED

Sr. Assistant City Attorney
L.D. File No. 0040900178006

4600010038
2014-0708

**AMENDMENT NO. 4 TO
CONSTRUCTION MANAGEMENT AT RISK AGREEMENT
PROJECT 500N**

THIS AMENDMENT NO. 4 TO THE CONSTRUCTION MANAGEMENT AT RISK AGREEMENT ("Agreement") is made between the **CITY OF HOUSTON, TEXAS**, a home-rule city ("City"), and **MANHATTAN CONSTRUCTION COMPANY**, an Oklahoma corporation authorized to do business in the State of Texas ("Contractor"). This Amendment No. 4 is effective on the date of countersignature by the City Controller.

BACKGROUND

By City Ordinance No. 2009-1273, passed and adopted by City Council on December 9, 2009, the City entered into the Agreement with the Contractor for renovation and new construction at Terminal D at George Bush Intercontinental Airport/Houston ("Project 500N").

By City Ordinance No. 2011-1189, passed and adopted by City Council on December 21, 2011, the City and Contractor amended the Agreement ("Amendment No. 1") to amend the scope of Project 500N.

By City Ordinance No. 2012-899, passed and adopted by City Council on October 10, 2012, City and Contractor amended the Agreement ("Amendment No. 2") to amend the Scope of Project 500N ("Amendment No. 2").

By City Ordinance No. 2013-0776, passed and adopted by the City Council on August 28, 2013, City and Contractor amended the Agreement ("Amendment No. 3") to amend the Scope of Project 500N and to amend certain other provisions of the Agreement.

For and in consideration of the mutual promises, covenants, agreements, and benefits contained in this Amendment No. 4, the City and the Contractor agree as follows:

I.

A new Phase 3 is added to Section 1.01 of the Agreement, to read as follows:

Phase 3 – Phase III Equipment including two walkways, two loading bridges, two PC Air Units, two Potable Water Cabinets, one 180kva 400 HZ GPU Units for Gate D9 and Gate D9A and long lead materials for restroom improvements and General Conditions. Following is a more detailed list of equipment and materials to be provided by the Contractor Freight on Board:

PN500N TERMINAL D PHASE III EQUIPMENT PACKAGE

GATE D9A

- Three tunnel operable Passenger Loading Bridges (PLB): The PLB rotunda is at elevation 121' (ground level is at 100') and manufactured by Thyssen-Krupp, JetBridge International Inc. or approved equal. The PLB capable of serving the upper doorway (U1) on an Airbus A380-800. Include standard interior finishes and lighting, support column for the PLB and anchor bolts and nuts, washers and templates. Meet all ADA requirements and all governmental requirements and codes.
- Fixed Metal Walkway: (approx. 143' from the building outer face to the PLB rotunda) at floor elev. 121' (same as the building floor level). Include standard interior finishes and lighting, three (3) rooftop A/C units, anchor bolts, nuts, washers and templates. Meet all ADA requirements and governmental requirements and codes.
- One (1) 120 ton independent DX Pre-Conditioned Air (PCA) Units by 'Trilectron', Cavotec or approved equal. Provide mounting brackets for underside mounting to the new PLB.
- One (1) 180kva, 400Hz Ground Power Units (GPU). Provide mounting brackets for mounting onto the new PLB.
- One (1) ground mounted stainless steel Potable Water Cabinet by 'Semler' Industries or approved equal. The Potable Water Cabinet is to provide a 25 gallons per minute (gpm) flow rate, motorized hose reel, a minimum of 300 ft. of water hose and to meet the unique requirements of an A380 aircraft.
-
- **GATE D9**
- Three tunnel operable Passenger Loading Bridges (PLB): The PLB rotunda is at the existing elevation of the existing gate D9 Boarding Pod aircraft access door and manufactured by Thyssen-Krupp, JetBridge International Inc. or approved equal. Include standard interior finishes and lighting, support column for the PLB and anchor bolts and nuts, washers and templates. Meet all ADA requirements and all governmental requirements and codes.
- Fixed Metal Walkway: (approx. 20' from the existing Boarding Pod outer face at the existing aircraft access door to the PLB rotunda). Include standard interior finishes and lighting, one (1)

rooftop A/C unit, steel support columns for the Fixed Metal Walkway, anchor bolts, nuts, washers and templates. Meet all ADA requirements and all governmental requirements and codes.

- One (1) 120 ton independent DX Pre-Conditioned Air (PCA) Units by 'Trilectron', Cavotec or approved equal. Provide mounting brackets for underside mounting to the new PLB.

- One (1) stainless steel Potable Water Unit that is manufactured to be mounted onto the new PLB.

EQUIPMENT FOR MEN & WOMEN RESTROOMS AT GATE D9

- 8 Urinals by Toto; Model: UT104EV - #01 Cotton Color
- 20 Water Closets (WC) w/ Seats by Toto; Model: CT708EV, Wall Hung
- 17 Lavatories by Sloan; Silestone Quartz Trough Sink, Finish – SS-1
- 1 Mop Sink by Zurn; Model:1996-24 - Floor Mounted 24" X 24"
- 17 Faucet/Hand Dryers - Dyson
- 28 Automatic Flushometers for Urinals & WCs by Toto; Model: TET2LN- Wall Mounted, Satin finish
- 660 sq' Metal Ceiling System – Flat - Gordon - R116-532DG12-12% Open,Fin-PDR30811 Acroguard AST1 11 mill fin.
- 440 sq' Metal Ceiling System – Curved - Gordon - R116-764ST23-23% Open,Fin-PDR30113 Acroguard Bianco mill fin.
- 880 sq' Acoustical Ceiling Tile & Grid - Armstrong - Ultima-Tegular, 24" X 24" X 3/4", 9/16" Beveled; Grid: Interlude XL 9/16", White
- 2500 sq' Wall Tiles - WT1-WT-4 La Nova Tile for pattern & colors
- 1000 sq' Wall Tiles on back wall of stalls - W-5 - La Nova Tile – Collection: 80.4 , 32" X 32" Color-Blanco for pattern & color
- 19 Metal Toilet Stalls - Gage Architectural Products Pattern GM4225 (FRC)
- 8 Metal Urinal Screens - Gage Architectural Products Pattern GM4225 (FRC)
- 350 sq' Silestone Lavatory Countertops & Sides; Shelves at WC & Urinals
- 8 Stainless Steel Shelves at Mirrors – Bobrick – B-298; 24" long
- 2 Electric Mirrors w/ Plexiglass by Silhouette Light Mirror; Model: SIL-99.00x57.00-LD-M 99" X 57"
- 3 Electric Mirrors w/ Plexiglass by Silhouette Light Mirror; Model: SIL-66.00x57.00-LD-M 66" X 57"
- 1 Mirror by Bobrick; Model: B-165; 48" x 36"
- 6 Stainless steel Handicapped Grab Bars 42" – B-5806
- 6 Stainless steel Handicapped Grab Bars 36" – B-5806
- 65 Downlight Light Fixture by Focal Point-Series: id-FL6D-20LED-L30-RO-1, 6" aperture LED w/ bulbs
- 20 L2 – L8 Architectural Lighting Fixture by Mark; Series; Fin; Clear

- 29 sides frosted edges w/ bulbs
L9 - Luminaire LED Lighting Fixture by Focal Point; Series: Trace LED Cove; Model: FTRL; Matte White housing w/ frosted lens sides frosted edges w/ bulbs
- 62 sq' Glass Mosaic Graphic Signs w/ Plexiglas Border
- 1 Water Fountains w/ Water Bottle Refill Station by Haisey Taylor; Model: Hydroboost- In-wall design
- 2 Baby Diaper Changing Shelf – 5' X 2'
- 2 Bio Shelf – 5' X 2'
- 115 sq' Glass Laboratory Screen by Skyline design; custom Line Pattern two sided; Custom Etched Pattern both sides
- 4 Stainless Steel Towel Waste Receptacle Units by Bradley; Model: B-3974, Recessed Convertible
- 1 Mop & broom Holder by Bobrick; Model: B-223 – 24" long
- 14 Stainless Steel Sanitary Napkin Disposal by Bobrick; Model: B-254
- 20 Stainless steel Purse/Robe Hanger by Bobrick; Model: B-212
- 19 Soap & Hand Lotion Dispensers by Sloan; Model: SJS-1750; Electronic Foam, Sensor Activated w/ Silver Top
- 20 Toilet Tissue Dispenser by Bobrick; Model: B-2892
- 20 Stainless Steel Toilet Seat Cover Dispenser by Bobrick; Model: B221

II.

Section 2.01 (1) of the Agreement is amended by changing the Title of Exhibit "D" to read "Phases 1, 2A, 2B and 3, Guaranteed Maximum Price Proposal".

III.

Exhibit "D" of the Agreement is amended by inserting the approved Guaranteed Maximum Price for Phase III as Exhibit "D-4", attached to this Amendment No. 4 as Exhibit "A".

IV.

Section 8.04 (2) of the Agreement is amended by deleting the first sentence in its entirety and replacing it with the following:

In order to comply with Article II, Sections 19 and 19a of the City's Charter and Article XI, Section 5 of the Texas Constitution, the City has allocated the following amounts as Appropriated Funds to pay money due under this Agreement: \$3,515,246.00 for Preconstruction Phase Services; \$5,483,211.00 for Phase I Construction Phase, Remodel Terminal D Gates 11 and 12, inclusive of allowances, contingency, Cost of Work and Construction Manager's Fee; \$2,141,744.00 for Phase 2A Construction Phase, Refresh at Departure Level, inclusive of allowances, contingency, Cost of Work and Construction Manager's Fee; \$6,771,892.00 for Phase 2B FIDS, upgrades to Ramp Areas, and Airline Club Upgrade – Terminal D inclusive of Cost of Work and Construction Manager's Fee; \$3,866,110.00 for Gate 9/9A equipment, bathroom remodel material allowance, and general conditions inclusive of allowances, contingency, and Construction Manager's Fee.


V.

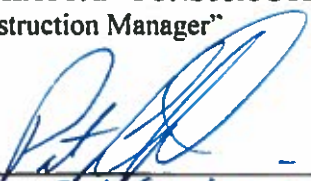
The Agreement, Amendment No. 3, Amendment No. 2, Amendment No. 1 and this Amendment No. 4 are to be read and construed as one agreement, but if a conflict or inconsistency arises among the Agreement, Amendment No. 4, Amendment No. 3, Amendment No. 2, and Amendment No. 1, then this Amendment No. 4 controls.

The Parties have executed this Amendment No. 4 to the Agreement in multiple copies, each of which is an original.

ATTEST (SEAL) (if a corporation):
WITNESS (if not a corporation):

MANHATTAN CONSTRUCTION COMPANY
"Construction Manager"

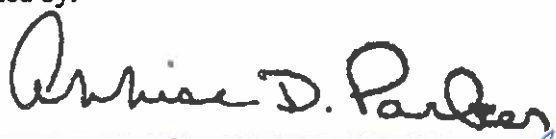

By: 
Name: Annette Arabie
Title: Executive Assistant

By: 
Name: Pat Cartwright
Title: Sr. Vice President
Tax Identification No.: 73-0338330

ATTEST/SEAL:

CITY OF HOUSTON, TEXAS




City Secretary

Signed by:

Mayor 

APPROVED:

COUNTERSIGNED BY:


Mario C. Diaz, Director
Houston Airport System


City Controller 

APPROVED AS TO FORM:

DATE COUNTERSIGNED


Sr. Assistant City Attorney
L.D. File No. 0040900178006

7-17-14

Draft Contract

Project Number 500N

Phase IIIB

Amendment No. 5

**AMENDMENT NO. 5 TO
CONSTRUCTION MANAGEMENT AT RISK AGREEMENT
PROJECT 500N**

THIS AMENDMENT NO. 5 TO THE CONSTRUCTION MANAGEMENT AT RISK AGREEMENT ("Agreement") is made between the **CITY OF HOUSTON, TEXAS**, a home-rule city ("City"), and **MANHATTAN CONSTRUCTION COMPANY**, an Oklahoma corporation authorized to do business in the State of Texas ("Contractor"). This Amendment No. 5 is effective on the date of countersignature by the City Controller.

BACKGROUND

By City Ordinance No. 2009-1273, passed and adopted by City Council on December 9, 2009, the City entered into the Agreement with the Contractor for renovation and new construction at Terminal D at George Bush Intercontinental Airport/Houston ("Project 500N").

By City Ordinance No. 2011-1189, passed and adopted by City Council on December 21, 2011, the City and Contractor amended the Agreement ("Amendment No. 1") to amend the scope of Project 500N.

By City Ordinance No. 2012-899, passed and adopted by City Council on October 10, 2012, City and Contractor amended the Agreement to amend the Scope of Project 500N ("Amendment No. 2").

By City Ordinance No. 2013-0776, passed and adopted by City Council on 8/28/2013, City and Contractor amended the Agreement to amend the Scope of Project 500N ("Amendment No. 3

By City Ordinance No. 2014-0708, passed and adopted by City Council on 7/16/2014, City and Contractor amended the Agreement to amend the Scope of Project 500N (“Amendment No. 4

The City and the Contractor now desire to further amend the scope of Project 500N and to amend certain other provisions of the Agreement.

For and in consideration of the mutual promises, covenants, agreements, and benefits contained in this Amendment No. 5, the City and the Contractor agree as follows:

I.

A new Phase 3B is added to Section 1.01 of the Agreement, to read as follows:

Phase 3B – Installation of the previously purchased Passenger Loading Bridges (PLB), Walkways and associated equipment and long lead time material.

1. Install previously purchased Passenger Loading Bridges, walkways, PC Air units, 400Hz units, water cabinets, restroom long lead materials. Construct new men and women restrooms, add two new hydrant fueling pits, relocate PLB at gate D9 to gate A10, and build new glass vestibule at gate D9.

II.

Section 2.01(l) of the Agreement is amended by changing the Title of Exhibit “D” to read “Phases 1, 2A, 2B, 3 and 3B Guaranteed Maximum Price Proposal”.

III.

Exhibit “D” of the Agreement is amended by inserting the approved Guaranteed Maximum Price for Phase 3B as Exhibit “D-3”, attached to this Amendment No. 5 as Exhibit “A”.

IV.

Section 5.02 (h) (4) of the Agreement is amended by adding the following paragraph:

Construction Manager shall not have any contingency funding available to it for Phase 3B. Consequently, the 10% Construction Phase Contingency for the Construction Manager set forth in Table 5.02A shall apply to Phase 3B only as approved by City Engineer. City Engineer shall have a 10% Construction Phase Contingency available to it (consistent with the Table 5.02A) based on the dollar

amount set forth in Contractor's approved GMP. The 10% City Engineer's contingency may be used at City Engineer's sole discretion for (i) any increase in the cost of purchasing equipment set forth in Construction Manager's approved GMP; (ii) any increased costs required to meet accelerated schedules; and (iii) any increase in cost due to unforeseen conditions or incomplete design. All of the unused contingency shall revert to the City at final completion of Phase 3B.

V.

Section 8.04 (2) of the Agreement is amended by deleting the first sentence in its entirety and replacing it with the following:

In order to comply with Article II, Sections 19 and 19a of the City's Charter and Article XI, Section 5 of the Texas Constitution, the City has allocated the following amounts as Appropriated Funds to pay money due under this Agreement: \$3,515,246.00 for Preconstruction Phase Services; \$5,483,211.00 for Phase I Construction Phase, Remodel Terminal D Gates 11 and 12, inclusive of allowances, contingency, Cost of the Work and Construction Manager's Fee; \$2,141,744.00 for Phase 2A Construction Phase, Refresh at Departure Level, inclusive of allowances, contingency, Cost of the Work and Construction Manager's Fee; \$6,771,892.00 for Phase 2B FIDS, Upgrades to Ramp Areas, – Terminal D inclusive of allowances, contingencies, Cost of Work, and Construction Manager's Fee and \$3,866,110.00 for Phase III for the purchase of equipment, material and Pre-Construction services.

VI.

Amendment No 4, Amendment No. 3, Amendment No. 2, & Amendment No. 1 and this Agreement are to be read and construed as one agreement, but if a conflict or inconsistency among Amendment No 5, Amendment No. 4, Amendment No. 3, Amendment No. 2, or Amendment No. 1, Amendment No. 5 controls over both the Agreement and Amendment Nos. 1, 2, 3 & 4.

The Parties have executed this Amendment No. 4 to the Agreement in multiple copies, each of which is an original.

ATTEST (SEAL) (if a corporation):
WITNESS (if not a corporation):

MANHATTAN CONSTRUCTION COMPANY
"Construction Manager"

By: _____
Name: _____
Title: _____

By: _____
Name: _____
Title: _____
Tax Identification No.: _____

ATTEST/SEAL:

CITY OF HOUSTON, TEXAS
Signed by:

City Secretary

Mayor

APPROVED:

COUNTERSIGNED BY:

Mario C. Diaz, Director
Houston Airport System

City Controller

APPROVED AS TO FORM:

DATE COUNTERSIGNED:

Assistant City Attorney
L.D. File

No. _____

EXHIBIT D-3

GUARANTEED MAXIMUM PRICE FOR PHASE IIIB



August 1, 2014

Houston Airport System
Administration Facility
16930 John F. Kennedy Blvd.
Houston, TX 77032

Attention: Mr. Jerry Johnson, P.E., City Engineer

REF: Project Number 500N, Phase III Gate D-9 Interior and Exterior Modifications
Guaranteed Maximum Price Proposal Approval Letter

Dear Mr. Johnson:

Manhattan Construction Company is submitting the attached Guaranteed Maximum Price Proposal associated with the Construction Phase for Project 500N- Phase III – Gate D-9 Equipment in accordance with the requirements identified in the Contract [Ref: 5.01 (h) (3)]. Manhattan's proposal is inclusive all of required Contract requirements including:

- Guaranteed Maximum Price Proposal- Including Summary, Detailed Breakdown, and Owner Requested Allowances
- List of Included Allowances
- List of Clarifications and Assumptions

Please sign below indicating your acceptance of the attached Guaranteed Maximum Pricing Proposal.

Sincerely,
MANHATTAN CONSTRUCTION COMPANY


Keith Knighten
Project Manager

Approved: _____ Date: _____
Jerry Johnson, P.E. City Engineer



Guaranteed Maximum Price Proposal
for the
IAH 500N Terminal D - Phase III Interior and Exterior Modifications

Client: Houston Airport System
Location: Houston, TX
Date: 8/1/2014

DIVISION	DESCRIPTION	AMOUNT
01	General Requirements	\$ -
02	Existing Conditions	\$ 310,722
03	Concrete	\$ 508,920
04	Masonry	\$ -
05	Metals	\$ 539,837
06	Wood, Plastics and Composites	\$ -
07	Thermal and Moisture Protection	\$ 109,600
08	Openings	\$ 133,700
09	Finishes	\$ 745,131
10	Specialties	\$ 82,885
11	Equipment	\$ -
12	Furnishings	\$ -
13	Special Construction	\$ 112,216
14	Conveying Equipment	\$ -
21	Fire Suppression	\$ 20,680
22	Plumbing	\$ 570,000
23	Heating, Ventilating, and Air Conditioning	\$ 89,750
26	Electrical	\$ 706,563
27	Communications	\$ -
31	Earthwork/ Piling Foundations	\$ -
32	Exterior Improvements	\$ 62,890
33	Utilities	\$ -
34	Transportation	\$ 947,353
	Cost of Work	\$ 4,940,247
	Subguard	1.50% 74,104
	Builder's Risk Insurance	5,100
	General Liability Insurance	38,500
	Performance/Payment Bonds	46,100
	Building Permit Fees	-
	<i>Subtotal</i>	\$ 5,104,051
	Contractor's Profit	3.50% 178,641.77
	<i>Subtotal</i>	\$ 5,282,692
	Contractor Contingency	0% -
	City Engineer Contingency	10% 528,269
	<i>Subtotal</i>	\$ 5,810,962
	Escalation	0% -
	<i>Subtotal</i>	\$ 5,810,962
	GRAND TOTAL	\$ 5,810,962

DETAILED BUDGET REPORT

1-Aug-14

Guaranteed Maximum Price Proposal
for the
IAH 500N Terminal D - Phase III Interior and Exterior Modifications

Section	Description	Quantity	Unit	Total Cost		
				Labor	Material	Sub
DIVISION 01 - GENERAL REQUIREMENTS				EQUIP		
None - Costs for 6 months covered by Amendment #4						
Document Control - None - Costs for 6 months covered by Amendment #4						
				0	0	0
				0	0	0
				0	0	0
				0	0	0
DIVISION 02 - EXISTING CONDITIONS						
INTERIOR	Select Demolition		1 LS	0	0	68,000
	Demo Wall Panels		w/ Select Demo Quote			
	Demo Doors		w/ Select Demo Quote			
	Demo Toilet Partitions		w/ Select Demo Quote			
	Demo Flooring in Lounge & Restroom		w/ Select Demo Quote			
	Demo Wall Covering		w/ Select Demo Quote			
	Demo Ceiling Grid & Tiles		w/ Select Demo Quote			
	Demo Soffits & Gyp. Board Ceilings		w/ Select Demo Quote			
	Demo & Salvage TV Monitors		w/ Select Demo Quote			
	Demo & Salvage Dishwasher		w/ Select Demo Quote			
	Demo & Salvage Kitchen Sinks & Faucets		w/ Select Demo Quote			
	Demo & Salvage Furniture		w/ Select Demo Quote			
	Demo & Salvage Marble Wall Base		w/ Select Demo Quote			
	Demo rock only, up to 8' AFF of ext. North wall		w/ Select Demo Quote			
	Demo existing support steel @ toilet partitions		w/ Select Demo Quote			
	Mobilizations		w/ Select Demo Quote			
	Demo Light Fixtures		w/ Select Demo Quote			
		68,000				
EXTERIOR	Select Demolition		1 LS	0	0	34,100
	Demo Exterior Wall to accept new walkway		w/ Select Demo Quote			
	Demo Doors and Frames @ D9 boarding pier		w/ Select Demo Quote			
	Demo walls and ceiling of Tax/Duty Free shop		w/ Select Demo Quote			
	Demo flooring down to bare concrete		w/ Select Demo Quote			
	Removal of adhesives and debris from floor substrate		w/ Select Demo Quote			
	Removal & Salvage of marble wall base		w/ Select Demo Quote			
	Remove fabric wall covering		w/ Select Demo Quote			
	Demo Light Fixtures		w/ Select Demo Quote			
		34,100				
EXTERIOR	Concrete Demolition		1 LS	0	0	171,817
	Full panel sawcutting for drilled piers		w/ Concrete Demo Quote			
	Sawcutting @ light pole		w/ Concrete Demo Quote			
	Sawcutting @ hurricane tie downs		w/ Concrete Demo Quote			
	Core Drilling @ bollards		w/ Concrete Demo Quote			
	Demo existing concrete light pole base		w/ Concrete Demo Quote			
	Removal of spoils		w/ Concrete Demo Quote			
	Drill cores for new stanchions		w/ Concrete Demo Quote			
	Slab scanning for stanchion cores		w/ Concrete Demo Quote			
	Sawcut pavement for conduit for new apron light pole		w/ Concrete Demo Quote			
	AOA Insurance Premiums (\$25M)		1 LS	0	34,000	0
		171,817				
				0	34,000	273,917
				0	0	0
				0	2,805	0
				0	0	310,722
DIVISION 03 - CONCRETE						
EXTERIOR	Concrete Barricades		1 LS	0	9,020	0
		9,020				
EXTERIOR	Concrete		1 LS	0	0	449,900
	Provide Concrete, Forms, & Reinforcement		w/ Concrete Quote			

Guaranteed Maximum Price Proposal
for the
IAH 500N Terminal D - Phase III Interior and Exterior Modifications

	Section	Description	Quantity	Unit	Total Cost		
					Labor	Material	Sub
		Full panel replacement @ Drilled Pier locations		w/ Concrete Quote			
		Full panel replacement @ New Plinths		w/ Concrete Quote			
		Full panel replacement @ New Light Pole		w/ Concrete Quote			
		Full panel replacement @ New Grade Beams 14'x42"x24"		w/ Concrete Quote			
		Set Anchor Bolts @ New Columns		w/ Concrete Quote			
		CIP 54" Plinths		w/ Concrete Quote			
		CIP Light Pole Base		w/ Concrete Quote			
		CIP Grade Beams 14'x42"x24"		w/ Concrete Quote			
		Setting Hurricane Tie Downs & Pour Back		w/ Concrete Quote			
		Setting and Filling of Bollards		w/ Concrete Quote			
		Concrete Infill @ Deck between new Fixed Walkway & Existing Bldg Slab		w/ Concrete Quote			
		Rigging Pier Cages		w/ Concrete Quote			
		Provide rebar caps		w/ Concrete Quote			
		Engineering and Layout	1	LS	0	50,000	0
	EXTERIOR	Drilled Piers		w/ Concrete Quote			
		Slurring Drilled Concrete Piers 36"x25'		w/ Concrete Quote			
		Drilled Pier 54"x40'		w/ Concrete Quote			
		Pumping & Containment		w/ Concrete Quote			
		Removal of Spoils		w/ Concrete Quote			
		Setting of Pier Cages		w/ Concrete Quote			
		Provide & Place Concrete for Piers		w/ Concrete Quote			
		Steel Casings & Temporary Casings		w/ Concrete Quote			
		Dewatering		w/ Concrete Quote			
		Trips for hauling spoils		w/ Concrete Quote			
		Safety Pens for Drilled Holes while holes are open		w/ Concrete Quote			
		Engineering & Layout		w/ Concrete Quote			
					0	59,020	449,900
					0		
						0	
							508,920
DIVISION 04 – MASONRY							
None							
					0	0	0
					0	0	0
					0	0	0
						0	
							0
DIVISION 05 – METALS							
	INTERIOR	Structural Steel, Miscellaneous Metals		1 LS	0	0	106,201
		Provide steel supports for toilet partitions		w/ Steel Quote			
		Provide decorative metal frame @ restroom mosaic		w/ Steel Quote			
		Priming of misc. metals & existing surfaces at connection points		w/ Steel Quote			
		Stainless steel trim above wall base		w/ Steel Quote			
		Provide dust & smoke control		w/ Steel Quote			
		Engineer Stamped drawings		w/ Steel Quote			
							106,201
	EXTERIOR	Structural Steel		1 LS	0	0	428,636
		Steel beams above ceiling @ Vestibule HSS6x4x3/8		w/ Steel Quote			
		Steel beams above ceiling @ Vestibule HSS6x4x1/8		w/ Steel Quote			
		Steel columns @ Vestibule HSS6x4x3/8		w/ Steel Quote			
		Steel columns for walkway HSS22x22x1/2		w/ Steel Quote			
		Steel columns for walkway HSS16x16x1/2		w/ Steel Quote			
		Steel columns for walkway HSS8x8x3/8		w/ Steel Quote			
		Steel Kicker HSS6x6x3/8		w/ Steel Quote			
		Gussets @ Kickers		w/ Steel Quote			
		BP1: 34x34x1 1/4		w/ Steel Quote			
		BP2: 30x30x1		w/ Steel Quote			
		BP3: 20x20x1		w/ Steel Quote			
		Anchor Bolts 1 1/2"x3'-0"		w/ Steel Quote			
		Anchor Bolts 1"x1'-0"		w/ Steel Quote			
		Anchor Bolts for PLB columns 2 1/4"x3'-0"		w/ Steel Quote			

Guaranteed Maximum Price Proposal
for the
IAH 500N Terminal D - Phase III Interior and Exterior Modifications

Section	Description	Quantity	Unit	Total Cost		
				Labor	Material	Sub
	1/2" Plate stiffeners @ W beams Steel beams for walkway W18x35 Steel beams for walkway W16x31 Provide new H Frame & Bracket Provide aluminum masts & support for FIDS Provide stainless steel wall base @ north wall of D9 holding area Provide bollards Engineer stamped drawings Steel Angle Pour Stop @ new door to fixed walkway Hilti anchors @ shoe for Vestibule Steel bent plate with Hilti anchors @ column bases of Vestibule Stainless steel cladding for Vestibule columns High Tarmac Insurance		w/ Steel Quote w/ Steel Quote w/ Steel Quote w/ Steel Quote w/ Steel Quote w/ Steel Quote w/ Steel Quote 1 LS w/ Steel Quote w/ Steel Quote w/ Steel Quote w/ Steel Quote w/ Steel Quote	0	0	5,000
	433,636					
				0	0	539,837
				0		
						539,837
DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES						
	None	0		0	0	0
				0	0	0
				0		
					0	0
DIVISION 07 - THERMAL AND MOISTURE PROTECTION						
EXTERIOR	Insulated Metal Panels Remove, Protect, & Store existing metal panels on exterior of D9 Provide modifications to existing metal panels Provide patches @ demoed flood light locations Provide patches @ new H Frame Cut & Patch panels @ new flood light locations Water Testing		1 LS w/ Panels Quote w/ Panels Quote w/ Panels Quote w/ Panels Quote w/ Panels Quote w/ Panels Quote	0	0	109,600
	109,600					
				0	0	109,600
				0		
					0	109,600
DIVISION 08- OPENINGS						
	Glass Entry	1	LS	0	0	114,100
	Glass mirrors	1	LS	0	0	19,600
	114,100					
				0	0	133,700
				0		
						133,700
DIVISION 09 – FINISHES						
INTERIOR	Gypsum Board Assemblies New drywall partitions Patching of existing walls scheduled to remain after demo New Cont. Gyp. Bd. Recessed Cove @8'-8" AFF New Gyp. Bd. 8' AFF Wood Blocking 8' high temp walls w/ plastic sheeting for dust control		1 LS w/ Drywall Quote w/ Drywall Quote w/ Drywall Quote w/ Drywall Quote w/ Drywall Quote	0	0	193,912

Guaranteed Maximum Price Proposal
for the
IAH 500N Terminal D - Phase III Interior and Exterior Modifications

1-Aug-14

Section	Description	Quantity	Unit	Total Cost		
				Labor	Material	Sub
	Removal of temp walls		w/ Drywall Quote			
	Joint sealants		w/ Drywall Quote			
	Cement Board @ wet walls in restrooms		w/ Drywall Quote			
	Provide new 5/8 sheet rock @ ext. North wall		w/ Drywall Quote			
	Provide HM 3x7 Painted Door Leaf		w/ Drywall Quote			
	Provide HM Frame 3x7		w/ Drywall Quote			
	Provide HM 2x7 Painted Door Leaf		w/ Drywall Quote			
	Provide HM Frame 2x7		w/ Drywall Quote			
	Provide HDW1: 4 Hinges, 1 storeroom, 1 surface closer, 1 silencer, 2 kicks, 1 stop		w/ Drywall Quote			
	Provide HDW2: 4 Hinges, 1 privacy, 1 surface closer, 1 silencer, 2 kicks, 1 stop		w/ Drywall Quote			
		193,912				
EXTERIOR	Gypsum Board Assemblies		1 LS	0	0	57,735
	New drywall partitions		w/ Drywall Quote			
	Patching of dividing wall after demo @ Duty Free		w/ Drywall Quote			
	Patching of existing walls scheduled to remain after demo		w/ Drywall Quote			
	Wood Blocking @ Glass Vestibule		w/ Drywall Quote			
	8' high temp walls w/ plastic sheeting for dust control		w/ Drywall Quote			
	Removal of temp walls		w/ Drywall Quote			
	Joint sealants		w/ Drywall Quote			
	Temp Wall @ Duty Free		w/ Drywall Quote			
	Temp Wall @ Glass Vestibule		w/ Drywall Quote			
	Patching of dividing wall after demo @ Duty Free		w/ Drywall Quote			
		57,735				
INTERIOR	Painting		1 LS	0	5,000	20,200
	Sealed Concrete Floor		w/ Paint Quote			
	Paint Walls in Walk In Chase 14-0		w/ Paint Quote			
	Match adjacent finishes of existing walls on the exterior of north wall		w/ Paint Quote			
	Provide painting & artwork of temp walls		w/ Paint Quote			
	Paint Doors		w/ Paint Quote			
	Paint Frames		w/ Paint Quote			
	Paint Gyp. Ceilings & Soffits		w/ Paint Quote			
	Provide rubber wall base @ temp walls @ Restrooms		w/ Paint Quote			
	Rubber Wall Base in Walk In Chase @ Restrooms		w/ Paint Quote			
		25,200				
EXTERIOR	Painting		1 LS	0	0	12,400
	Provide painting of new wall in Vestibule		w/ Paint Quote			
	Provide painting of divider wall @ Duty Free		w/ Paint Quote			
	Provide painting of temp walls		w/ Paint Quote			
	Paint bollards		w/ Paint Quote			
	Provide reflective tape for bollards		w/ Paint Quote			
	Paint column @ Duty Free		w/ Paint Quote			
	Rubber Wall Base @ west side of Wine Bar/Duty Free		w/ Paint Quote			
	Provide rubber wall base @ temp walls @ Duty Free		w/ Paint Quote			
		12,400				
INTERIOR	Acoustical Ceilings		1 LS	0	0	96,980
	New ACT & Grid 8' AFF		w/ Ceiling Quote			
	Provide hang wires for light fixtures		w/ Ceiling Quote			
	New MC-1 Flat Metal Panels @ Ceiling		w/ Ceiling Quote			
	New MC2 Curved Metal Panels @ Ceiling		w/ Ceiling Quote			
	Metal C Channel Detail @ Ceiling 9"		w/ Ceiling Quote			
	Metal C Channel Detail @ Ceiling 5"		w/ Ceiling Quote			
	Wall Panel 2-0 @ Soffit		w/ Ceiling Quote			
	Drop Point @ perimeter		w/ Ceiling Quote			
		96,980				
EXTERIOR	Acoustical Ceilings		1 LS	0	0	113,300
	Remove/Replace ACT @ new monitor locations		w/ Ceiling Quote			
	Replace damaged ceiling tiles @ Duty Free shop		w/ Ceiling Quote			
	Provide hang wires for light fixtures as needed		w/ Ceiling Quote			
	Provide hold down clips @ perimeter for tiles less than full size		w/ Ceiling Quote			
		113,300				

Guaranteed Maximum Price Proposal
for the
IAH 500N Terminal D - Phase III Interior and Exterior Modifications

1-Aug-14

Section	Description	Quantity	Unit	Total Cost		
				Labor	Material	Sub
INTERIOR	Terrazzo		1 LS	0	0	74,700
	TR1: White Terrazzo		w/Terrazzo Quote			
	TR2: Grey Terrazzo		w/Terrazzo Quote			
	TR3: Women's Accent Terrazzo		w/Terrazzo Quote			
	TR4: Men's Accent Terrazzo		w/Terrazzo Quote			
	Flush Metal Floor Transition		w/Terrazzo Quote			
	Finish Grinding & Polishing		w/Terrazzo Quote			
	Sealing		w/Terrazzo Quote			
	Floor Prep - Bead blasting/grinding		w/Terrazzo Quote			
		74,700				
EXTERIOR	Terrazzo		1 LS	0	0	25,200
	Replace Fritz tile at D-9 holding area		w/Terrazzo Quote			
	Patch Fritz tile at existing podium floor box locations		w/Terrazzo Quote			
	Waterproof membrane		1 LS	0	4,500	0
		25,200				
EXTERIOR	Flooring		1 LS	0	0	27,107
	Rubber Wall Base @ west side of Wine Bar/Duty Free		w/Tile Quote			
	Provide rubber wall base @ temp walls @ Duty Free		w/ Paint Quote			
	Floor prep for new finishes @ Duty Free		w/Tile Quote			
	Patching of concrete substrate		w/Tile Quote			
	Provide transitions		w/Tile Quote			
	Provide rubber wall base @ temp walls @ Restrooms		w/ Paint Quote			
	Rubber Wall Base in Walk In Chase @ Restrooms		w/ Paint Quote			
	Sealed concrete in Walk in Chase @ Restrooms		w/ Paint Quote			
		27,107				
INTERIOR	Tiling		1 LS	0	0	110,897
	WP1: Wall Tile Pattern 8-0		w/Tile Quote			
	WP1: Wall Tile Pattern 8-8		w/Tile Quote			
	WT4: Manhattan Gril Wall Tile 4-7		w/Tile Quote			
	WT4: Manhattan Gril Wall Tile 8-0		w/Tile Quote			
	WT2: Nieve Wall Tile 8-0		w/Tile Quote			
	WT1: Perla Wall Tile 8-0		w/Tile Quote			
	WT5: Blanco Wall Tile @ Niche 3.42"		w/Tile Quote			
	WT7: Women's Mosaic		w/Tile Quote			
	WT7: Men's Mosaic		w/Tile Quote			
	B1: 12" Brushed Aluminum Wall Base Cap		w/ Steel Quote			
	12" Tile Wall Base		w/Tile Quote			
	Grout Sealer		1 LS	0	3,200	0
		114,097				
				0	12,700	732,431
				0		
					0	
						745,131
DIVISION 10 -- SPECIALTIES						
INTERIOR	Specialties		1 LS	0	0	82,885
	New Metal toilet partitions		w/ Specialty Quote			
	Urinal Screens		w/ Specialty Quote			
	PB1: Bed Liner Dispenser		w/ Specialty Quote			
	PC1: Baby Changing Station		w/ Specialty Quote			
	PC2: Child Seat		w/ Specialty Quote			
	PC3: Waste Receptacle		w/ Specialty Quote			
	PE1: Seat Cover Dispenser		w/ Specialty Quote			
	PG1: 42" Grab Bar		w/ Specialty Quote			
	PG2: 36" Grab Bar		w/ Specialty Quote			
	PH1: Air Fragrance Dispenser		w/ Specialty Quote			
	PI1: Toilet Tissue Dispenser		w/ Specialty Quote			
	PJ1: Purse Hanger		w/ Specialty Quote			
	PM1: Electric Mirror		w/ Specialty Quote			
	PM2: Generic Mirror		w/ Specialty Quote			
	PN1: Sanitary Napkin Dispenser		w/ Specialty Quote			
	PP1: Automatic Paper Towel & Waste Receptacle		w/ Specialty Quote			
	PR1: Shelf		w/ Specialty Quote			

Guaranteed Maximum Price Proposal
for the
IAH 500N Terminal D - Phase III Interior and Exterior Modifications

1-Aug-14

Section	Description	Quantity	Unit	Total Cost		
				Labor	Material	Sub
	PX1: Mop & Broom Holder PZ1: Sharps Disposal Full Height Corner Guards Visitron Stanchions New 26" Convex Safety Mirror for the apron	82,885	w/ Specialty Quote w/ Specialty Quote w/ Specialty Quote w/ Specialty Quote w/ Specialty Quote			
				0	0	82,885
				0		
					0	
						82,885
DIVISION 13 - SPECIAL CONSTRUCTION						
INTERIOR	Furnishings		1 LS	0	0	112,216
	SS2: Grey Dividers - Girls Expo SS3: Women's Accent - Koan SS3: Men's Accent - Blue Enjoy SS2 Shelf 1-0 Reuse Salvaged Marble Wall Base @ Ext. North Wall Specialty Glass Dividers @ Sinks ADD ALT. Relocate ticket counters on departure level	112,216	w/ Furnishings Quote w/ Furnishings Quote w/ Furnishings Quote w/ Furnishings Quote w/ Furnishings Quote w/ Furnishings Quote w/ Furnishings Quote			
				0	0	112,216
				0		
					0	
						112,216
DIVISION 21 - FIRE SUPPRESSION						
INTERIOR	Fire Protection		1 LS	0	0	12,380
	Selective demo of fire sprinkler Install new fire sprinkler as indicated	12,380	w/ Fire Protection Quote w/ Fire Protection Quote			
				0	0	8,300
INTERIOR	Fire Protection		1 LS	0	0	8,300
	Selective demo of fire sprinkler Install new fire sprinkler as indicated Engineering & Calcs Put Fire Alarm in Test Mode Provide smoke detector bags Remove & reinstall smoke detectors	8,300	w/ Fire Protection Quote w/ Fire Protection Quote w/ Fire Protection Quote w/ Fire Protection Quote w/ Fire Protection Quote w/ Fire Protection Quote			
				0	0	20,680
				0		
					0	
						20,680
DIVISION 22 - PLUMBING						
INTERIOR	Plumbing (Material - Bradshaw)		1 LS	0	0	520,000
	Demo Restroom sinks Demo & Salvage Kitchen Sinks Demo & Salvage Dishwasher Demo Toilets & Terminate Plumbing Lines Demo Urinals & Terminal Plumbing Lines PA1: Toilet Seat PD1: Slot Drain PF1: Wall Mounted Faucet/Hand Dryer PF2: Surface Mounted Faucet PK1: Toilet Flush w/ Chase PK2: Toilet Flush w/o Chase PL1: Lavatory PL2: Wall Mounted Sink PO1: Soap Dispenser PQ1: Access Panel PT1: Toilet	520,000	w/ Plumbing Quote w/ Plumbing Quote w/ Plumbing Quote w/ Plumbing Quote w/ Plumbing Quote w/ Plumbing Quote w/ Plumbing Quote w/ Plumbing Quote w/ Plumbing Quote w/ Plumbing Quote w/ Plumbing Quote w/ Plumbing Quote w/ Plumbing Quote w/ Plumbing Quote			

Guaranteed Maximum Price Proposal
for the
IAH 500N Terminal D - Phase III Interior and Exterior Modifications

1-Aug-14

Section	Description	Quantity	Unit	Total Cost		
				Labor	Material	Sub
	PU1: Urinal		w/ Plumbing Quote			
	PW2: Urinal Flush w/o Chase		w/ Plumbing Quote			
	PV1: Water Bottle Refill Station		w/ Plumbing Quote			
	PY1: Mop Sink		w/ Plumbing Quote			
	Demo existing water piping to below slab & cap		w/ Plumbing Quote			
	Demo existing waste piping to below slab & cap		w/ Plumbing Quote			
	Demo existing vent piping to above ceiling, back to main		w/ Plumbing Quote			
	Demo existing utilities & carriers in chase		w/ Plumbing Quote			
	Existing 4" sanitary to be capped above ceiling for future use		w/ Plumbing Quote			
	Provide new thermostatic mixing valve		w/ Plumbing Quote			
	New 4" grease line plug & cap for future use		w/ Plumbing Quote			
	Domestic Hot Water Recirculating Pump		w/ Plumbing Quote			
	Hose Bibb		w/ Plumbing Quote			
	Floor Drains		w/ Plumbing Quote			
	Electric Water Heater		w/ Plumbing Quote			
		520,000		0	0	0
EXTERIOR	Plumbing (Material - Kilgore)		1 LS	0	0	50,000
	Demo Restroom sinks		w/ Plumbing Quote			
	Demo & Salvage Kitchen Sinks		w/ Plumbing Quote			
	Demo & Salvage Dishwasher		w/ Plumbing Quote			
	Demo Toilets & Terminate Plumbing Lines		w/ Plumbing Quote			
	Demo Urinals & Terminal Plumbing Lines		w/ Plumbing Quote			
	PA1: Toilet Seat		w/ Plumbing Quote			
	PD1: Slot Drain		w/ Plumbing Quote			
	PF1: Wall Mounted Faucet/Hand Dryer		w/ Plumbing Quote			
	PF2: Surface Mounted Faucet		w/ Plumbing Quote			
	PK1: Toilet Flush w/ Chase		w/ Plumbing Quote			
	PK2: Toilet Flush w/o Chase		w/ Plumbing Quote			
	PL1: Lavatory		w/ Plumbing Quote			
	PL2: Wall Mounted Sink		w/ Plumbing Quote			
	PO1: Soap Dispenser		w/ Plumbing Quote			
	PQ1: Access Panel		w/ Plumbing Quote			
	PT1: Toilet		w/ Plumbing Quote			
	PU1: Urinal		w/ Plumbing Quote			
	PW2: Urinal Flush w/o Chase		w/ Plumbing Quote			
	PV1: Water Bottle Refill Station		w/ Plumbing Quote			
	PY1: Mop Sink		w/ Plumbing Quote			
	Demo existing water piping to below slab & cap		w/ Plumbing Quote			
	Demo existing waste piping to below slab & cap		w/ Plumbing Quote			
	Demo existing vent piping to above ceiling, back to main		w/ Plumbing Quote			
	Demo existing utilities & carriers in chase		w/ Plumbing Quote			
	Existing 4" sanitary to be capped above ceiling for future use		w/ Plumbing Quote			
	Provide new thermostatic mixing valve		w/ Plumbing Quote			
	New 4" grease line plug & cap for future use		w/ Plumbing Quote			
	Domestic Hot Water Recirculating Pump		w/ Plumbing Quote			
	Hose Bibb		w/ Plumbing Quote			
	Floor Drains		w/ Plumbing Quote			
	Electric Water Heater		w/ Plumbing Quote			
		50,000				
				0	0	570,000
				0		
					0	
						570,000
DIVISION 23 - HEATING, VENTILATING, AND AIR CONDITIONING						
INTERIOR	Mechanical		1 LS	0	0	89,750
	Demo Diffusers & Return Grilles		w/ HVAC			
	Demo existing existing Exhaust Fan & Duct work					
	Demo existing air supply duct work					
	Cap & Seal air tight & Reinsulate remaining duct to maintain vapor barrier					
	New ductwork & insulation					
	Mechanical Slot Diffuser Grille					
	Mechanical Diffuser Grille 24"					
	Mechanical Diffuser Grille 12"					
	New Fan Powered Box					

Guaranteed Maximum Price Proposal
for the
IAH 500N Terminal D - Phase III Interior and Exterior Modifications

1-Aug-14

Section	Description	Quantity	Unit	Total Cost		
				Labor	Material	Sub
	New Ductwork Hangers Clean & Repair existing Fan Powered Box to "like new" condition Relocate VAV box Remove & Salvage existing thermostat Provide new thermostat & wiring New Heating Hot Water Supply & Return piping New Terminal Units New Exhaust Fans New Exhaust Duct	89,750				
				0	0	89,750
				0	0	0
						89,750
DIVISION 26 - ELECTRICAL						
INTERIOR	Electrical		1 LS	0	0	118,553
	Demo Exit Lights		w/ Electrical Quote			
	Demo Emergency Lighting		w/ Electrical Quote			
	Demo existing panel KA serving KLM Lounge back to panel		w/ Electrical Quote			
	Demo existing panel 4LB7 serving Duty Free back to meter		w/ Electrical Quote			
	Demo smoke detectors		w/ Electrical Quote			
	Protect existing security cameras & reinstall at completion		w/ Electrical Quote			
	Relocate Fan Powered Terminal Unit		w/ Mechanical Quote			
	Demo existing exhaust fan, back to panel		w/ Electrical Quote			
	Bag smoke detectors during demolition activities		w/ Electrical Quote			
	Remove all fire alarm devices		w/ Electrical Quote			
	Reprogram existing fire alarm		w/ Electrical Quote			
	Electrical disconnection and make safe for all devices & fixtures		w/ Electrical Quote			
	New Electrical Panel - LRR		w/ Electrical Quote			
	L1 Recessed Can Light		w/ Electrical Quote			
	L6 LED Strip Light		w/ Electrical Quote			
	L11 LED Strip Light, vertically mounted @ mosaics		w/ Electrical Quote			
	L10 Wall Mounted Light Fixture		w/ Electrical Quote			
	JA: BOH Lighting		w/ Electrical Quote			
	L9: 4" Luminaire LED		w/ Electrical Quote			
	L11: LED Light Strip		w/ Electrical Quote			
	Provide receptacle for soap dispenser mounted below counter		w/ Electrical Quote			
	Provide J boxes for specialty restroom accessories		w/ Electrical Quote			
	Provide galvanized steel channel on roof to mount exhaust fan disconnect switch and GFCI		w/ Electrical Quote			
	Tie new lights into existing circuit		w/ Electrical Quote			
	Dimmer switches		To Be New Circuit			
	Reuse existing wiring for fire alarm devices		w/ Electrical Quote			
	Provide new typed directories for panel 4LB7		w/ Electrical Quote			
	Circuit breakers & switches for panel 4HA2		w/ Electrical Quote			
	Provide new typed directories for panel 4HA2		w/ Electrical Quote			
	Make final connections to lighted mirrors		w/ Electrical Quote			
	Occupancy Sensors		w/ Electrical Quote			
	Use spare breakers @ panel LAR		w/ Electrical Quote			
	Engineering & permit		w/ Electrical Quote			
	Testing of equipment		w/ Electrical Quote			
	Label all conduits and boxes		w/ Electrical Quote			
	Sleeves and penetrations		w/ Electrical Quote			
	X-ray for coring		w/ Electrical Quote			
	Grounding and bonding		w/ Electrical Quote			
	Hoisting		w/ Electrical Quote			
		118,553		0	0	0
EXTERIOR	Electrical		1 LS	0	0	521,010
	Demo electrical & low voltage equipment @ Duty Free		w/ Electrical Quote			
	Demo smoke detectors @ Duty Free		w/ Electrical Quote			
	Demo conduit & wire @ Duty Free		w/ Electrical Quote			
	Demo exterior light pole & make safe		w/ Electrical Quote			
	Demo existing flood lights @ apron		w/ Electrical Quote			
	Bag smoke detectors during demolition activities @ Duty Free		w/ Electrical Quote			
	Reprogram existing fire alarm		w/ Electrical Quote			

Guaranteed Maximum Price Proposal
for the
IAH 500N Terminal D - Phase III Interior and Exterior Modifications

1-Aug-14

Section	Description	Quantity	Unit	Total Cost		
				Labor	Material	Sub
	Electrical disconnection and make safe for all devices & fixtures		w/ Electrical Quote			
	Move PA/Telecom system outside of new vestibule	1	LS	0	5,000	0
	Move alarm pull outside of new vestibules	1	LS	0	5,000	0
	Move phone to ticket counter outside of vestibule	1	LS	0	5,000	0
	Demo keypad	1	LS	0	5,000	0
	Demo existing podium floor boxes & make safe		w/ Electrical Quote			
	New floor boxes for podium power		w/ Electrical Quote			
	New electrical equipment, conduit, wiring		w/ Electrical Quote			
	New electrical & data cabling for new monitors		w/ Electrical Quote			
	New VDGS w/ power & telecom w/ wiring & conduit		w/ Electrical Quote			
	New VDGS operator control panel & power		w/ Electrical Quote			
	New electrical & data cabling & final terminations for VDGS		w/ Electrical Quote			
	New card reader @ Vestibule		w/ Electrical Quote			
	Engineering & Permit		w/ Electrical Quote			
	Testing of equipment		w/ Electrical Quote			
	Label all conduits and boxes		w/ Electrical Quote			
	Sleeves and penetrations		w/ Electrical Quote			
	X-ray for coring		w/ Electrical Quote			
	Main Distribution & Switchboards		w/ Electrical Quote			
	Circuit breakers & switches		w/ Electrical Quote			
	Grounding and bonding		w/ Electrical Quote			
	Hoisting		w/ Electrical Quote			
	Housekeeping pads		w/ Electrical Quote			
	New feeders and disconnects for PCAs & 400 HZs		w/ Electrical Quote			
	New horizontal infrastructure by Systemax		w/ Electrical Quote			
	New light pole		w/ Electrical Quote			
	New galvanized support rack for electrical equipment		w/ Electrical Quote			
	Decommission power to existing PCA		w/ Electrical Quote			
	Demo & Salvage PCA disconnect switch		w/ Electrical Quote			
	Remove feeders from GPU and PCA from distribution panel DPHA3		w/ Electrical Quote			
	Pull existing wire for apron lighting back to J box to splice w/ new wire for light pole		w/ Electrical Quote			
	Demo & Salvage existing GPU	1	LS	0	20,000	0
	Demo existing FIDS back to panel	1	LS	0	7,000	0
	Demo existing light @ Vestibule		w/ Electrical Quote			
	Provide new feeder to panel DP2HA4 from apron		w/ Electrical Quote			
	Provide new 42x36x18 pullbox		w/ Electrical Quote			
	Provide new 42x36x15 pullbox		w/ Electrical Quote			
	Relocate existing light fixture in electrical room		w/ Electrical Quote			
	Provide power for new PBB		w/ Electrical Quote			
	New nameplate for existing disconnect switch		w/ Electrical Quote			
	Canopy lights under new fixed walkway	1	LS	0	20,000	0
	Provide new feeders for PCA, GPU, & Wiring Gutter WGA for Gates D9 and D9A		w/ Electrical Quote			
	New disconnect switch for D9 PCA		w/ Electrical Quote			
	New feeder and disconnect for D9A GPU		w/ Electrical Quote			
	New feeder and disconnect for D9A PBB		w/ Electrical Quote			
	Provide power for heat tracing		w/ Electrical Quote			
	Provide 20A,120V circuits from D9 panel for new PWC		w/ Electrical Quote			
	Provide power for D9 and D9A PBB		w/ Electrical Quote			
	Provide new feeders from basement to apron distribution panel		w/ Electrical Quote			
	Install new FIDS monitors w/ power		w/ Electrical Quote			
	New exit light and power @ Vestibule		w/ Electrical Quote			
	New security cameras w/ conduit and cabling		w/ Electrical Quote			
				0	0	0
		588,010				
				0	67,000	639,563
				0		
					0	
						706,563
DIVISION 27 - COMMUNICATIONS						
None						
		0				
				0	0	0



► Clarifications & Assumptions

Project Name: IAH 500 N Terminal D – Phase 3 – Interior and Exterior Modifications

Location: Houston, TX

Date: August 1, 2014

General

1. This proposal does not contain any General Requirements by MCC, i.e. staff costs, construction offices, utilities, associated equipment, etc. The General Requirements for the Interior and Exterior Modifications work is to be covered by Amendment #4. If there are any discrepancies in schedule for this phase of work and the length of General Requirements in Amendment #4, a change order will be issued to MCC to cover all General Requirement costs.
2. Manhattan has not accepted any engineering or design liability for any work shown on the Contract Documents, unless specifically noted to be included; this clarification shall supersede any differing or contradictory requirements anywhere else within the Contract Documents.
3. Manhattan excludes any liquidated damages and penalties associated with the delivery of this project due to the late start date.
4. Due to this being a City of Houston Project, Manhattan has not included any state or local sales tax or any remodel tax.
5. Manhattan has excluded any repairs of existing code violations, if any.
6. Manhattan has not included the repair of any nature to existing equipment.
7. Manhattan has not included any fees or permit costs. This includes any costs required for the submission of the FAA 7460 permit application.
8. Manhattan has Included an allocation of \$50,000 for surveying and layout of drilled piers, grade beam, and interior door to fixed walkway.
9. Manhattan has not included any costs for adding or relocating a 3rd ticket counter to Gate D9 as this scope was not included in the construction documents.

Division 1

Document Acknowledgement:

- a. See the attached drawing and Specification Log

Insurance, Bonds, and Permits:



1. Manhattan has not included the costs of impact fees, tap fees, or usage fees costs as these are assumed to be paid by the Owner or Property Manager.
2. Manhattan has included the costs for Contractor Payment and Performance Bonds and General Liability.
3. Manhattan has included the costs to provide a subcontractor default insurance program in lieu of requiring all subcontractors to procure their own performance and payment bonds. The subcontractor default insurance program is based on a non-auditable fixed rate of 1.5%. The final value of all subcontracts will be subject to Owner confirmation in order to validate the total charge associated with the subcontractor default insurance program.
4. Manhattan's insurance coverage is provided by Zurich, Incorporated, and is limited to those terms, conditions, and limits of coverage. All insurance requirements of the Contract are limited to and must be verified with our standard coverage or increased at additional cost, as necessary. We have not included any "deductibles" for any Owner's insurances; they shall be reimbursed at cost if needed.
5. No costs have been included for 3rd party review of the project plans for permitting, energy code inspections, or as might be required by governing authorities.

Testing

1. Manhattan has not included costs for any third party testing or commissioning.

Division 2:

1. Manhattan has not included any costs for relocating the pay phones on the north wall of the existing public restrooms. There is no instruction about removing these phones; however, the wall is scheduled to be demolished. MCC excludes the removal and salvage of the pay phones. We assume that IAH will make arrangements with the service provider to remove the pay phones.
2. Manhattan has included costs for demolition of the apron paving just large enough to install the scheduled piers and footings. Complete panel removal and replacement has not been included. Also, all costs for providing safety pens and cover plates at drilled piers are excluded.
3. Manhattan has not included any costs for replacing cement treated base course on the apron for piers and footings.



Division 3:

1. Manhattan has not included any costs for providing casings for the drilled piers, since the piers will be utilizing a slurry method.

Division 4:

1. None

Division 5:

4. Manhattan has included costs to wrap the structural steel at the glass vestibule in aluminum in lieu of stainless steel.

Division 6:

1. None

Division 7:

1. None

Division 8:

1. Manhattan has substituted the Vitre Starphire glass system for the Glass Vestibule with a Kawneer Clear glass system due to a 20 week lead time for production. Kawneer glass and glazing to match "Walker Textures Clear # 102" 5/8" laminated glass assemblies with custom edgework and fabrication.

Division 9:

1. Manhattan does not guarantee a color match for the existing fritz tile due to the age of the tile. Fritz tile has a 2 to 3 week lead time for standard color stock. Any colors that are not readily available in stock will have a longer lead time.

Division 10:

1. Manhattan has excluded providing and installing stantions inside the Terminal.
2. Manhattan has assumed the toilet partitions and corner guards are to be stainless since specifications were not provided.

Division 11:

1. Manhattan has included the material costs associated with the Men's and Women's restroom remodel as defined in detailed breakdown.

Division 12:

1. None



Division 13:

1. None

Division 14:

1. None

Division 21:

1. None

Division 22:

1. See Division 34 for Potable Water Cabinets
2. Manhattan has excluded the Dyson AB11 hand dryer. There is a conflict between the specs and the drawings on the bathroom accessories schedule. PH-1 in the specs is a hand dryer while PH-1 in the drawings is a fragrance dispenser. We have priced PH-1 as being a fragrance dispenser since PF-1 provides a hand dryer/faucet combination.
3. Manhattan has not included any costs for providing plumbing fixture PW-1, Urinal Flush with Chase, as none are shown in the Equipment Plan.

Division 23:

1. See Division 34

Division 26:

1. See Division 34
2. Manhattan has included the material costs associated with the Men's and Women's restroom remodel as defined in detailed breakdown.

Division 27:

1. None

Division 28:

1. None

Division 31:

1. None

Division 32:

1. None

Division 33:



1. None

Division 34:

1. Manhattan has included the installation costs for the Fixed walkways and Passenger Boarding Bridges.
2. Manhattan has excluded all costs, including engineering, for all Passenger Boarding Bridge support structures/columns.
3. Manhattan and the boarding bridge manufacturer do not guarantee that the equipment sizes requested will meet the actual field requirements and functionality necessary for the aircraft mix and ADA slope.
4. Manhattan has included a \$500,000 cost allocation for the fuel pit work. Actual costs for this scope of work are to be bought out at a later date. Hydrant Valves have a 12 to 14 week lead time. MCC will need approved submittal and production order in place in order to determine best case scenario expediting.
5. Manhattan has included a \$100,000 cost allocation for the A380 VDGS work. Actual costs for this scope of work are to be bought out at a later date.
6. Manhattan has included a cost allocation for the PBB hurricane tie downs. Actual costs for this scope of work are to be bought out at a later date.
7. Manhattan has included a cost allocation for the relocation of the existing D-9 PBB from Terminal D to gate A-10. Manhattan has not included and foundation or building modification work in this allocation. Actual costs for this scope of work are to be bought out at a later date.



Issue for Permit/Construction
SECTION TITLE

TABLE OF CONTENTS TOC - 1

DIVISION 01 – GENERAL REQUIREMENTS

01 33 31 SUBMITTAL PROCEDURES FOR PLUMBING
01 33 32 SUBMITTAL PROCEDURES FOR ELECTRICAL
01 45 29 STRUCTURAL TESTING LABORATORY SERVICES
01 78 23.16 CLOSEOUT SUBMITTALS FOR ELECTRICAL
01 78 39.13 PROJECT RECORD DOCUMENTS – CAD Drawing Requests

DIVISION 02 - SITE CONSTRUCTION

02 41 19 SELECTIVE STRUCTURE DEMOLITION
02 41 26 SELECTIVE ELECTRICAL DEMOLITION

DIVISION 03 - CONCRETE

03 10 00 CONCRETE FORMS AND ACCESSORIES
03 20 00 CONCRETE REINFORCEMENT
03 30 00 CAST-IN-PLACE CONCRETE

DIVISION 05 - METALS

05 12 00 S STRUCTURAL STEEL FRAMING

DIVISION 07 – THERMAL AND MOISTURE PROTECTION

07 42.13.19 INSULATED METAL WALL PANELS
07 92 00 JOINT SEALANTS

DIVISION 08 – OPENINGS

08 11 13 HOLLOW METAL DOORS AND FRAMES

DIVISION 09 - FINISHES

09 22 16 NON-STRUCTURAL METAL FRAMING
09 29 00 GYPSUM BOARD
09 51 23 ACOUSTICAL TILE CEILINGS
09 65 13 RESILIENT BASE AND ACCESSORIES
09 68 13 TILE CARPETING
09 91 23 INTERIOR PAINTING



Project No.:F8Z80515 PN500N

July 14, 2014 Gate D9A Group VI Conversion

Issue for Permit\Construction

SECTION TITLE
TABLE OF CONTENTS TOC - 2

DIVISION 21 – FIRE SUPPRESSION

- 21 13 10 FIRE PROTECTION PIPING
- 21 13 13 WET PIPE SPRINKLER SYSTEMS

DIVISION 22 – PLUMBING

- 22 05 00 COMMON WORK RESULTS FOR PLUMBING
- 22 05 23 GENERAL DUTY VALVES FOR PLUMBING PIPING
- 22 05 29 HANGERS AND SUPPORTS FOR PLUMBING PIPING AND EQUIPMENT
- 22 05 33 HEAT TRACING FOR PLUMBING PIPING
- 22 07 19 PLUMBING PIPING INSULATION
- 22 11 16 DOMESTIC WATER PIPING
- 22 12 60 AIRCRAFT POTABLE WATER CABINETS

DIVISION 23 – MECHANICAL

- 23 81 21 PRECONDITIONED AIR UNITS AND ACCESSORIES

DIVISION 26 – ELECTRICAL

- 26 05 00 COMMON WORK RESULTS FOR ELECTRICAL
- 26 05 03 EQUIPMENT WIRING CONNECTIONS
- 26 05 19 LOW-VOLTAGE ELECTRICAL POWER CONDUCTOR AND CABLES
- 26 05 26 GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS
- 26 05 29 HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS
- 26 05 33. 13 BOXES FOR ELECTRICAL SYSTEMS
 - 26 05 33.16 EMPTY RACEWAYS FOR ELECTRICAL SYSTEMS
 - 26 05 33.19 CONDUIT FOR ELECTRICAL SYSTEMS
 - 26 05 33.22 WIREWAYS FOR ELECTRICAL SYSTEMS
- 26 05 53 IDENTIFICATION FOR ELECTRICAL SYSTEMS
- 26 08 00 TESTING OF ELECTRICAL SYSTEMS
- 26 24 13 SWITCHBOARDS
 - 26 27 26.16 DECORATOR STYLE WIRING DEVICES
- 26 28 16 ENCLOSED SWITCHES AND CIRCUIT BREAKERS
- 26 35 43 400-HERTZ (HZ) SOLID STATE FREQUENCY CONVERTER
- 26 56 23 AREA LIGHTING

DIVISION 27 – COMMUNICATIONS

- 27 05 28 INTERIOR COMMUNICATIONS PATHWAYS
- 27 15 00 HORIZONTAL MEDIA INFRASTRUCTURE
- 27 41 00 ELECTRONIC VISUAL INFORMATION DISPLAY SYSTEM



Project No.:F8Z80515 PN500N

July 14, 2014 Gate D9A Group VI Conversion

Issue for Permit\Construction

DIVISION 28 – ELECTRONIC SAFETY AND SECURITY

28 13 00 ACCESS CONTROL SYSTEMS
28 23 00 VIDEO SURVEILLANCE CONTROL AND MANAGEMENT SYSTEM
28 31 00 FIRE DETECTION AND ALARM SYSTEM

DIVISION 31 – EARTHWORK

31 63 29 DRILLED CONCRETE PIERS

DIVISION 32 – EXTERIOR IMPROVEMENTS

Item P-620 RUNWAY AND TAXIWAY PAINTING

DIVISION 34 – TRANSPORTATION

34 43 33 VISUAL DOCKING GUIDANCE SYSTEM
34 77 13 PASSENGER BOARDING BRIDGES

END OF TABLE OF CONTENTS

Exterior Dwg Index

G0.00	COVER SHEET
G0.01	PROJECT INFORMATION
G0.02	GENERAL NOTES
G0.10	ACCESSIBILITY STANDARDS
C001	PROJECT ACCESS AND SAFETY PLAN
C002	CONSTRUCITON SAFETY AND PHASING PLAN
C003	PHASING AND CIVIL DETAIL
C101	AIRFIELD MARKING REMOVAL PLAN
C102	AIRFIELD MARKING PLAN
C103	AIRFIELD CIVIL PLAN
C104	PAVEMENT MARKING DETAILS
AD01.02.01	DEMOLITION FLOOR PLAN LEVEL 100 - APRON
AD01.04.01	DEMOLITION FLOOR PLAN LEVEL 111 - INTER. ARRIVALS
AD01.05.01	DEMOLITION FLOOR FLOOR PLAN LEVEL 121 - DEPARTURES
A02.02.01	CONSTRUCTION FLOOR PLAN LEVEL 100 - APRON
A02.05.01	CONSTRUCTION FLOOR PLAN LEVEL 121 - DEPARTURES
A5.01	EXTERIOR ELEVATIONS (EAST & WEST)
A5.02	EXTERIOR ELEVATIONS (SOUTH & NORTH)



A5.03	EXTERIOR ELEVATIONS
A6.01	INTERIOR ELEVATIONS
A7.01	DETAILS
A7.02	DETAILS
S0.00	GENERAL NOTES
S2.00	PARTIAL PLANS - APRON LEVEL
S2.01	PARTIAL PLANS - DEPARTURES LEVEL
S3.00	TYPICAL DETAILS
S3.01	TYPICAL DETAILS
S4.00	SECTIONS
P00.01	PLUMBING SYMBOLS, LEGEND, AND ABBREV.
P02.02.05	PLUMBING PLAN - LEVEL 100 APRON - ZONE 5
E00.01	ELECTRICAL LEGEND AND ABBREV.
ED01.02.05	ELECTRICAL DEMOLITION PLAN - LEVEL 100 APRON - ZONE 5
ED01.05.05	ELECTRICAL DEMOLITION PLAN - LEVEL 121 DEPARTURES
EP02.00.08	ELECTRICAL PLAN LEVEL 74 - BASEMENT - ZONE 8
EP02.02.05	ELECTRICAL PLAN LEVEL 100 - APRON - ZONE 5
EP02.02.06	ELECTRICAL PLAN LEVEL 100 - APRON - ZONE 6
EP02.05.05	ELECTRICAL PLAN LEVEL 121 - DEPARTURES
E5.01	ELECTRICAL SCHEDULES
E5.02	ELECTRICAL DETAILS
E7.01	ELECTRICAL ONE-LINE DIAGRAM
E7.02	ELECTRICAL ONE-LINE DIAGRAM
E7.03	ELECTRICAL ONE-LINE DIAGRAM
E7.04	ELECTRICAL ONE-LINE DIAGRAM
T01.05.01	TELECOM PLAN LEVEL 121
TY02.05.01	SECURITY PLAN LEVEL 121
TY04.00.00	SECURITY DETAILS



Project No.:F8Z80515 PN500N – Terminal D Phase III

July 14, 2014 Public Restroom & Holding Area
Renovation

Issue for Permit\Construction

TABLE OF CONTENTS

SECTION TITLE

TABLE OF CONTENTS PAGE - 1

DIVISION 01 - GENERAL REQUIREMENTS

01 33 28	SUBMITTAL PROCEDURES FOR FIRE SUPPRESSION
01 33 29	SUBMITTAL PROCEDURES FOR PLUMBING
01 33 30	SUBMITTAL PROCEDURES FOR HVAC
01 33 32	SUBMITTAL PROCEDURES FOR ELECTRICAL
01 71 33.10	PROTECTION OF ADJACENT CONSTRUCTION FOR FIRE SUPPRESSION
01 71 33.11	PROTECTION OF ADJACENT CONSTRUCTION FOR PLUMBING
01 71 33.12	PROTECTION OF ADJACENT CONSTRUCTION FOR HVAC
01 78 23.12	OPERATION AND MAINTENANCE DATA FOR PLUMBING
01 78 23.13	OPERATION AND MAINTENANCE DATA FOR HVAC
01 78 23.16	CLOSEOUT SUBMITTALS FOR ELECTRICAL
01 78 39.13	PROJECT RECORD DOCUMENTS - CAD DRAWING REQUESTS
01 78 39.13	PROJECT RECORD DOCUMENTS – REVIT MODEL DOCUMENT REQUESTS

DIVISION 02 – EXISTING CONDITIONS

02 42 23	REMOVAL AND SALVAGE OF HVAC CONSTRUCTION MATERIALS
----------	--

DIVISION 07 – THERMAL AND MOISTURE PROTECTION

07 92 00	JOINT SEALANTS
----------	----------------

DIVISION 08 – OPENINGS

08 11 13	HOLLOW METAL DOORS AND FRAMES
08 31 13	ACCESS DOORS AND FRAMES
08 41 13	ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS
08 44 13	GLAZED ALUMINUM CURTAIN WALLS
08 71 00	DOOR HARDWARE
08 80 00	GLAZING
08 83 00	MIRRORS

DIVISION 09 – FINISHES



09 22 16	NON-STRUCTURAL METAL FRAMING
09 29 00	GYPSUM BOARD
09 30 00	TILING
09 51 23	ACOUSTICAL TILE CEILINGS
09 66 23	RESINOUS MATRIX TERRAZZO FLOORING

Project No.:F8Z80515 PN500N – Terminal D Phase III

July 14, 2014 Public Restroom & Holding Area
Renovation

Issue for Permit\Construction

SECTION TITLE
TABLE OF CONTENTS PAGE – 2

DIVISION 09 – FINISHES - CONT

09 68 13	TILE CARPETING
09 91 23	INTERIOR PAINTING

DIVISION 10 – SPECIALTIES

10 28 00	TOILET, BATH AND LAUNDRY ACCESSORIES
----------	--------------------------------------

DIVISION 12 – FURNISHINGS

12 36 61	SIMULATED STONE COUNTERTOPS
----------	-----------------------------

DIVISION 21 – FIRE PROTECTION

21 05 53	IDENTIFICATION OF FIRE SUPPRESSION PIPING AND EQUIPMENT
21 05 93	FIRE SUPPRESSION SYSTEM TESTING
21 12 00	FIRE SUPPRESSION STANDPIPES
21 13 13	WET PIPE SPRINKLER SYSTEMS

DIVISION 22 – PLUMBING

22 05 00	COMMON WORK RESULTS FOR PLUMBING
22 05 29	HANGERS AND SUPPORTS FOR PLUMBING, PIPING, AND EQUIPMENT
22 05 48	VIBRATION CONTROLS FOR PLUMBING, PIPING AND EQUIPMENT
22 05 93	PLUMBING SYSTEM TESTING
22 07 19	PLUMBING PIPING INSULATION
22 11 16	DOMESTIC WATER PIPING
22 13 16	SANITARY WASTE AND VENT PIPING
22 40 00	COMMERCIAL PLUMBING FIXTURES



DIVISION 23 – HEATING VENTILATING AND AIR CONDITIONING

- 23 05 00 COMMON WORK RESULTS FOR HVAC
- 23 05 13 COMMON MOTOR REQUIREMENTS FOR HVAC EQUIPMENT
- 23 05 23 GENERAL-DUTY VALVES FOR HVAC PIPING
- 23 05 29 HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT
- 23 05 53 IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT
- 23 05 93 TESTING, ADJUSTING, AND BALANCING FOR HVAC
- 23 07 13 DUCT INSULATION
- 23 07 19 HVAC PIPING INSULATION
- 23 33 00 A IR DUCT ACCESSORIES

Project No.:F8Z80515 PN500N – Terminal D Phase III

July 14, 2014 Public Restroom & Holding Area
Renovation

Issue for Permit\Construction

SECTION TITLE

TABLE OF CONTENTS PAGE – 3

DIVISION 23 – HEATING VENTILATING AND AIR CONDITIONING-CONT

- 23 34 16 CENTRIFUGAL HVAC FANS
- 23 36 00 AIR TERMINAL UNITS
- 23 37 13 DIFFUSERS, REGISTERS, AND GRILLES

DIVISION 26

- 26 05 00 COMMON WORK RESULTS FOR ELECTRICAL
- 26 05 03 EQUIPMENT WIRING CONNECTIONS
- 26 05 19 LOW-VOLTAGE ELECTRICAL POWER CONDUCTOR AND CABLES
- 26 05 26 GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS
- 26 05 29 HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS
- 26 05 33.13 BOXES FOR ELECTRICAL SYSTEMS
- 26 05 33.16 EMPTY RACEWAYS FOR ELECTRICAL SYSTEMS
- 26 05 33.19 CONDUIT FOR ELECTRICAL SYSTEMS
- 26 05 33.22 WIREWAYS FOR ELECTRICAL SYSTEMS
- 26 05 53 IDENTIFICATION FOR ELECTRICAL SYSTEMS
- 26 08 00 TESTING OF ELECTRICAL SYSTEMS
- 26 27 26.16 DECORATOR STYLE WIRING DEVICES
- 26 28 16 ENCLOSED SWITCHES AND CIRCUIT BREAKERS
- 26 29 13 ENCLOSED CONTROLLERS
- 26 51 13 I NTERIOR LIGHTING FIXTURES, LAMPS AND BALLASTS



DIVISION 28

28 31 00 FIRE DETECTION AND ALARM

END OF TABLE OF CONTENTS

Interior Dwg Index

A00.00	COVER SHEET
A00.01	DRAWING INDEX PROJECT INFORMATION GENERAL NOTES AND ABBREVIATIONS
A00.02	ACCESSIBILITY STANDARDS AND DETAILS
AD01.05.06	DEMOLITION FLOOR PLAN / DEMOTION CEILING PLAN LEVEL 121 – DEPARTURE RESTROOMS 4 & 6
A02.05.06	DIMENSION FLOOR PLAN / REFLECTIVE CEILING PLAN LEVEL 121 – DEPARTURE RESTROOMS 4 & 6
A05.05.06	EQUIPMENT PLAN / FINISH PLAN LEVEL 121 - DEPARTURE RESTROOMS 4 & 6
A11.30	INTERIOR ELEVATIONS - LEVEL 121 - DEPARTURE RESTROOMS 4 & 6
A11.31	INTERIOR ELEVATIONS - LEVEL 121 - DEPARTURE RESTROOMS 4 & 6
A11.50	INTERIOR SECTIONS - LEVEL 121 - DEPARTURE RESTROOMS 4 & 6
A12.10	DETAILS - LEVEL 121 - DEPARTURE RESTROOMS 4 & 6 PARTITION TYPES
A12.11	PARTITION TYPES - LEVEL 121 DEPARTURE RESTROOMS 4 & 6
P0.00.01	PLUMBING SYMBOLS, ABBREVIATIONS AND NOTES
P01.05.01	DEMOLITION FLOOR PLAN LEVEL 5 - DEPARTURE ZONE 4 & 6
P02.01.01	PLUMBING FLOOR PLAN LEVEL 1 - DEPARTURE ZONE 4 & 6
P02.05.01	PLUMBING FLOOR PLAN LEVEL 5 - DEPARTURE ZONE 4 & 6
P03.04.01	ENLARGED PLUMBING PLAN LEVEL 4 - DEPARTURE ZONE 4 & 6
P03.05.01	ENLARGED PLUMBING PLAN LEVEL 5 - DEPARTURE ZONE 4 & 6
P04.00.01	PLUMBING SCHEDULES
P05.00.01	PLUMBING DETAILS
P06.00.01	PLUMBING RISER DIAGRAM
E00.01.00	ELECTRICAL LEGEND AND ABBREVIATIONS
ED01.05.06	ELECTRICAL POWER DEMOLITION PLAN LEVEL 121 - DEPARTURE ZONE 6
ED01.05.08	ELECTRICAL POWER DEMOLITION PLAN LEVEL 121 - DEPARTURE ZONE 8
ED01.05.10	ELECTRICAL POWER DEMOLITION PLAN LEVEL 121 - DEPARTURE ZONE 10
EDL01.05.06	ELECTRICAL LIGTHING DEMOLITION PLAN LEVEL 121 - DEPARTURE ZONE 6
EP02.05.06	ELECTRICAL POWER PLAN LEVEL 121 - DEPARTURE ZONE 6
EL02.05.06	ELECTRICAL LIGTHING PLAN LEVEL 121 - DEPARTURE ZONE 6
EF02.05.06	ELECTRICAL FIRE ALARM PLAN LEVEL 121 - DEPARTURE ZONE 6
E06.01.00	ELECTRICAL LIGTHING FIXTURE SCHEDULE
E07.01.00	ELECTRICAL ONE-LINE DIAGRAM
E07.02.00	ELECTRICAL ONE-LINE DIAGRAM
E07.03.00	ELECTRICAL ONE-LINE DIAGRAM



E07.04.00	ELECTRICAL ONE-LINE DIAGRAM
M00.00.01	MECHANICAL LEGEND AND ABBREVIATIONS
M01.06.01	MECHANICAL DEMOLITION PLAN LEVEL 5 - DEPARTURE ZONE 4 & 6
M02.06.01	MECHANICAL FLOOR PLAN LEVEL 5 - DEPARTURE ZONE 4 & 6
M05.00.01	MECHANICAL DETAILS LEVEL 5 - DEPARTURE ZONE 4 & 6
M05.00.02	MECHANICAL DETAILS LEVEL 5 - DEPARTURE ZONE 4 & 6
M06.00.01	MECHANICAL SCHEDULES LEVEL 5 - DEPARTURES ZONES 4 & 6
M07.00.01	MECHANICAL CONTROLS DIAGRAM LEVEL 5 - DEPARTURE ZONE 4 & 6