

2009-08-13-0637

AN ORDINANCE

AMENDING THE PROFESSIONAL SERVICES AGREEMENT WITH 3D/INTERNATIONAL, INC. TO ADD DESIGN AND CONSTRUCTION ADMINISTRATION SERVICES ASSOCIATED WITH SECURITY SYSTEM UPGRADES AND ASSOCIATED INFRASTRUCTURE IMPROVEMENTS FOR A CONTRACT INCREASE OF \$452,719.75; AND AUTHORIZING NEGOTIATION AND EXECUTION OF A FUTURE AMENDMENT IN AN AMOUNT UP TO \$125,792.00 FOR THE PEDESTRIAN LINKAGE BETWEEN TERMINAL B AND THE PARKING STRUCTURE FOR A TOTAL CONTRACT INCREASE OF \$578,511.75 AT SAN ANTONIO INTERNATIONAL AIRPORT.

* * * * *

WHEREAS, on May 29, 2003, City Council authorized a Professional Services Agreement (“Original Agreement”) with 3D/International, Inc. (“3D/I”) to provide architectural and engineering services in connection with the New Terminal Expansion Project at the San Antonio International Airport (“Airport”); and

WHEREAS, there have been numerous amendments to the original agreement increasing the aggregate contract value to \$28,126,704.29; and

WHEREAS, Amendment No. 16 (Attachment I) increases the contract value in the amount of \$452,719.75 for Additional Service Requests (ASRs) 42b and 42c for design and construction administration services for (1) the head-end servers for the Access Control System (“ACS”), the badging system and the Terminal B Closed Circuit Television (“CCTV”) management system and (2) the airport wide ACS and CCTV upgrades and infrastructure improvements to the airport operations center to support such upgrades; and

WHEREAS, ASR 71 (Attachment II) for the pedestrian linkage across the roadway from Terminal B to the parking garage is currently being negotiated for an amount not to exceed \$125,792.00; and

WHEREAS, it is now necessary to approve Amendment No. 16 in the amount of \$452,719.75; authorize negotiation and execution of a future amendment not to exceed the amount of \$125,792.00; increase the contract value in the total amount of \$578,511.75, and authorize payment of the change orders; **NOW THEREFORE:**

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF SAN ANTONIO:

SECTION 1. The City Manager or her designee is authorized to execute the Amendment to Professional Services Agreement with 3D/International increasing the contract value in the amount of \$456,105.00 in a form substantially similar to the document set out in Attachment I for the addition of design and construction administration services for security system upgrades

and associated infrastructure improvements at San Antonio International Airport to the scope of the Original Agreement (which includes all previously approved amendments).

SECTION 2. The City Manager or her designee is authorized to negotiate and execute a future amendment to the Original Agreement for ASR 71 described in Attachment II in an amount not to exceed \$125,792.00 in a form approved and recommended for execution by the City Attorney.

SECTION 3. The budget in SAP Fund 51099000, SAP Project Definition 33-00205, Terminal and Airfield Security, shall be revised by decreasing SAP WBS Element 33-00205-05-07 entitled Unallocated Appropriations, SAP GL account 5406530, by the amount of \$578,511.75.

SECTION 4. The budget in SAP Fund 51099000, SAP Project Definition 33-00205, Terminal and Airfield Security, shall be revised by increasing SAP WBS Element 33-00205-01-03-01 entitled 3DI - Glover & Associates, SAP GL account 5201040, by the amount of \$578,511.75, and is authorized to be encumbered and made payable to 3D/International for design and construction administration services.

SECTION 5. The financial allocations in this Ordinance are subject to approval by the Director of Finance, City of San Antonio. The Director of Finance may, subject to concurrence by the City Manager, or the City Manager's designee, correct allocation to specific SAP Fund Numbers, SAP Project Definitions, SAP WBS Elements, SAP Internal Orders, SAP Fund Centers, SAP Cost Centers, SAP Functional Areas, SAP Funds Reservation Document Numbers, and SAP GL Accounts as necessary to carry out the purpose of this Ordinance.

SECTION 6. This Ordinance shall take effect immediately upon passage by eight (8) affirmative votes; otherwise it shall be effective ten (10) days after its passage.

PASSED AND APPROVED this 13th day of August, 2009.


M A Y O R
JULIAN CASTRO

ATTEST: 
City Clerk

APPROVED AS TO FORM: 
for City Attorney

ATTACHMENT I

**AMENDMENT NO. 16 TO
PROFESSIONAL SERVICES AGREEMENT FOR
ARCHITECTURAL AND ENGINEERING SERVICES**

**STATE OF TEXAS §
 §
COUNTY OF BEXAR §**

This Amendment to a Professional Services Agreement for Architectural and Engineering Services (chronologically "Amendment No. 16") is entered into by and between the City of San Antonio, a Texas Municipal Corporation ("City") acting by and through its City Manager, and 3D/International, Inc. ("3D/I"), both of which may be referred to herein collectively as the "Parties".

WHEREAS, on May 29, 2003, by Ordinance No. 97709, the City authorized execution of a Professional Services Agreement with 3D/I to provide Architectural and Engineering design services in connection with the New Terminal Expansion Project at the San Antonio International Airport ("Original Agreement"); and

WHEREAS, there have been subsequent amendments to the Original Agreement authorized by ordinance; and

WHEREAS, the Parties have agreed to add services for design and construction administration services in the total amount of \$452,719.75 to the original Agreement for 1) the head-end servers for the Access Control System ("ACS"), the badging system and the Terminal B Closed Circuit Television ("CCTV") management system in the amount of \$63,224.75 as set out in Additional Service Request ("ASR") 42b, Attachment I hereto, and 2) the airport wide ACS and CCTV upgrades, and infrastructure improvements to the airport operations center to support such upgrades in the amount of \$ 389,495.00 as set out in ASR 42c, Attachment II; and

WHEREAS, it is necessary to amend the scope of the Original Agreement to add services for design and construction administration services associated with the security system upgrades, and associated infrastructure improvement, and adjust the contract value to reflect the associated fees; and

NOW THEREFORE, in consideration of the terms, covenants, agreements and demises herein contained, and in consideration of other good and valuable consideration, each to the other given, the sufficiency and receipt of which are hereby acknowledged, the Original Agreement (as previously amended) by and between the Parties is further amended as follows:

1. Change in Scope and Contract Value.

The Scope of Work set out in the Original Agreement, as amended, is hereby amended by adding services for the design and construction administration services associated with the security system upgrades and associated infrastructure improvements as set out in ASRs 42b and 42c, attached hereto as Attachments 1 and 2 respectively. The value of the Original Agreement will be increased in the total amount of \$452,719.75 to reflect the increase resulting from the aforementioned services.

All provisions of the Original Agreement, as amended, that are not modified by this Amendment remain in full force and effect.

EXECUTED and **AGREED** to this the _____ day of _____, 2009.

CITY OF SAN ANTONIO

3D INTERNATIONAL, INC.

Sheryl Sculley,
City Manager

Authorized Agent of 3D/I

Attest:

Approved as to form:

City Clerk

City Attorney

ATTACHMENT I
ASR No. 42b

PARSONS

July 14, 2009 (*supersedes all previous additional service proposals 42b*).

Mr. Jorge A. Perez
Assistant CIMS Director
City of San Antonio
9800 Airport Boulevard
San Antonio, Texas 78216

RE: Additional Services Request No. 42b
ACS and Terminal B CCTV Head-end
New Terminal Expansion Program
San Antonio International Airport

Dear Mr. Perez,

Please refer to the Agreement dated May 29, 2003 between the City of San Antonio ("City") and 3D/International, now Parsons Commercial Technology Inc., ("Parsons") hereinafter called the "Agreement" pursuant to which Parsons is to perform certain services. The terms, which are defined in the Agreement, shall have the same meanings when used in this letter.

Based on the findings of the project definition document produced under ASR 42a, Parsons is providing this proposal for the design of the Airport Access Control System (ACS) head-end servers and badging system, the Terminal B and baggage building Closed Circuit Television (CCTV) video management system head-end servers and storage devices, and the Airport Operations Center (AOC) ACS and video management system workstations. This work shall be provided as outlined in Project Element A of the ACS & CCTV Systems Project Scope Definition Document dated July 1, 2009. Under this proposal, 100% construction documents, with reviews at 65% and 95%, shall be provided. Construction administration for the design of the above mentioned components shall also be provided.

It is assumed that sufficient power supply is already in place for the additional servers and workstations. It is assumed that any Mechanical, or Electrical engineering shall not be required beyond the scope of the IT consultant as outlined in the attached proposal; Exhibit B.

Pursuant to Article VI of the Agreement referencing "Additional Compensation to Consultant", Parsons requests approval of the additional lump sum fees for services that are not a part of the Agreement for Basic Services as noted in the following table.

Mr. Jorge Paréz, Assistant CIMS Director
SAIA Expansion Program, Additional Services Request #42b
July 14, 2009

Professional Services: Project Definition Phase only		
Contractor Name	Service	Amount
IA-TEK, Inc.	Security / Access Control	40,860.00
Parsons, Inc.	Architectural Management & Coordination	13,700.00
Parsons, Inc.	Sub-consultant mark-up at 1.10	4,086.00
Subtotal		58,646.00
IA-TEK, Inc.	Reimbursable Expenses	4,162.50
Parsons, Inc.	Reimbursable Expense mark-up at 1.10	416.25
Total		\$ 63,224.75

Details of the fee amounts stated above are attached as follows: Exhibit A; Parsons Fee, Exhibit B; IA-TEK proposal. The basis for payment for the services defined in this proposal shall be a lump sum of Sixty Three Thousand, Two Hundred and Twenty Four Dollars and 75 cents (\$63,224.75).

This proposal is good for sixty (60) calendar days. Services beyond the scope described above are excluded from this proposal.

If the foregoing is acceptable to you, please so execute by initiating a Notice to Proceed upon which Parsons is authorized to commence performance of the Additional Services as described herein.

If you need additional information, please contact me at (210) 227-2500.

**ASR #42b
Proposed Parsons Fee
14 July 2009**

EXHIBIT A

Staff	Project Manager	Senior Project Architect	Project Architect	Design Staff I	Design Staff II	Design Staff III	Admin	Total
Rate	165.00	165.00	100.00	65.00	80.00	90.00	50.00	
65% Design Development	6.0	6.0	-	12.0	-	15.0	-	39.0
95% Construction Documents	8.0	8.0	-	16.0	-	20.0	-	52.0
100% Construction Documents	1.5	1.5	-	3.0	-	3.5	-	9.5
Construction Administration	4.5	4.5	-	9.0	-	11.5	-	29.5
Total Hours	20	20	-	40	-	50	-	130
Total Cost	3,300.00	3,300.00	-	2,600.00	-	4,500.00	-	13,700



PROPOSAL

6117 Richmond Ave., Suite 200
Houston, Texas 77057
Facsimile Phone: (713) 622-0557
Voice Phone: (713) 622-0120

DATE: July 10, 2009
PROJECT: SAT ASR #42b
CLIENT: Parsons/3DI
ATTN: Mr. Chad Jones

Client Mr. Chad Jones
Project Manager
PARSONS/3DI
219 E. Houston Street, Suite 350
San Antonio, Texas 78205-1856

Exhibit B

Reference Proposal for consulting and engineering services for the additional services request (ASR) No. 42b Access Control System (ACS) Head-end and Terminal B Closed Circuit Television (CCTV) Head-end for the Terminal Expansion Program at San Antonio International Airport.

Scope of Work Overview Infrastructure Associates – Technology Division (IA-TEK) shall provide the design of the new Airport Access Control System (ACS) head-end servers and badging system, the Terminal B and Baggage Building CCTV Video Management System (VMS) head-end servers and storage devices, and new Airport Operations Center (AOC) ACS and VMS workstations. Necessary infrastructure improvements in Terminal 1 shall be designed in order to provide the required connectivity between these elements..

The basis of design for this project shall be Project Element - A of the Campus Wide ACS and CCTV Upgrades Project Definition Document provided under ASR 42a.

Scope of Work Detail **Task 1: 65% ACS and Terminal B CCTV Head-end**
Based on the project definition document, design development of the new ACS head-end servers (primary and redundant), VMS head-end servers and storage devices for Terminal B and the Baggage Building, two new badging stations, and ACS and VMS monitoring and management workstations in the AOC shall be completed.

The design shall provide for the following elements:

- VMS servers and storage devices with enough capacity to support Terminal B and the Baggage Building cameras plus 20% growth to be located in the Terminal B MDF (BOL-010).
- Review and selection of a suitable location for ACS servers.
- ACS server and backup server to support the entire campus.
- A new Cisco 4500 series network switch to be co-located with the ACS head-end in Terminal 1.
- A new badging system as a component of the new ACS consisting of two mobile badging stations each equipped with a fingerprint scanner, badging computer workstation, badging camera, badge printing system, badging materials, and wired and wireless connectivity capabilities.
- The Terminal 1 telecommunications infrastructure between the IDF that houses the ACS head-end and the MDF and between the MDF and the AOC shall be surveyed to determine the design requirements.
- Cabling infrastructure between the Terminal 1 IDF that houses the ACS head-end and the Terminal 1 MDF and the between the Terminal 1 MDF and the AOC.
- Review of the AOC space for housing two additional workstations shall be conducted.
- Two workstations (one VMS and one ACS) to be located in the AOC. Number, type, and sizes of monitors required will be determined. Electrical and mounting requirements for the workstations and monitors will be determined and provided for in the design as needed.
- Drawings to include plans and enlarged plans depicting device locations, telecommunications outlets, and backbone pathways; pathway, cable, and grounding riser diagrams; and system and network block diagrams.

- Specifications to include ACS functional requirements, CCTV functional requirements, integration requirements, hardware requirements, and contractor administrative requirements including submittals, warranty, testing, and commissioning.
- Engineer's cost opinion for the systems.
- A design review meeting shall be held with the stakeholders (Expansion Team, Aviation Department, and City of San Antonio (COSA) Information Technology Services Division (ITSD)) to review the 65% design comments.

Deliverables for this task will be:

- 65% Design Development specifications
- 65% Design Development drawings

Task 2: 95% Design Development

Based on the 65% design review meeting, stakeholder comments shall be integrated into the design documents and 95% Construction Documents shall be produced. During the 95% design phase, the 65% drawings and specifications shall be further developed into construction documents.

The design shall provide for the completed design of the following elements:

- VMS servers and storage devices with enough capacity to support Terminal B and the Baggage Building cameras plus 20% growth to be located in the Terminal B MDF (BOL-010).
- ACS server and backup server to support the entire campus.
- A new Cisco 4500 series network switch to be co-located with the ACS head-end in Terminal 1.
- A new badging system as a component of the new ACS consisting of two badging stations each equipped with a fingerprint scanner, badging computer workstation, badging camera, badge printing system, and badging materials.
- Cabling infrastructure between the Terminal 1 IDF that houses the ACS head-end and the Terminal 1 MDF and the between the Terminal 1 MDF and the AOC.
- Additional drawings to include cabinet and wall elevations; mounting and installation details; and cable schedules.
- Specifications to include ACS functional requirements, CCTV functional requirements, integration requirements, hardware requirements, and contractor administrative requirements including submittals, warranty, testing, and commissioning.
- Revised engineer's cost opinion for the systems.
- A design review meeting shall be held with the stakeholders (Expansion Team, Aviation Department, and City of San Antonio (COSA) Information Technology Services Division (ITSD)) to review the 65% design comments.

Deliverables for this task will be:

- 95% Construction Document specifications
- 95% Construction Document drawings

Task 3: 100% Construction Documents

Any final comments from the Owner on the 95% deliverable will be reviewed and incorporated and the Construction Documents will be issued.

Deliverables for this task will be:

- 100% Construction Document Specifications
- 100% Construction Document Drawings

Task 4: Construction Administration

IA-TEK shall provide the following construction administration services:

- Respond to RFI's / RFC's / AST's within 2 working days from the time the request and materials are received.
- Review shop drawings and product submittals to ensure compliance with contract and specifications. IA-TEK will issue approvals and/or requests for re-submissions promptly within 2 working days from time of receipt of the task and materials. Best efforts will be given to expedite in the priority in which they are received from Parsons.
- Review and approve testing and training materials, Contractor schedule, and Contractor phasing plan within 20 days from the time the request and materials are received.
- Observation of final acceptance testing and commissioning activities as well as participating in punch-list development/observation.

Assumptions

- CADD Support / Background drawings will be provided to IA-TEK by Parsons
- IA-TEK is not responsible for accuracy of CADD drawings, or drawing files to depict as-built conditions.
- Text documents, specifications, etc. shall be provided in MS Word electronic format.
- Scope is based on discussions with Parsons/Expansion Team/SALA personnel. Modifications to the scope of work after receipt of NTP will result in additional service fees and expenses.
- Substantial changes and/or technical modifications resulting from client charrettes/review might constitute modifications to the scope of work and result in additional service fees and expenses.
- Should it be determined that SALA badging is necessary Parsons will sponsor and bond IA-TEK, else security escort will be provided for IA-TEK personnel for SAT on-site surveys, evaluations, interviews, and attending meetings.

Exclusions

The following are not included in the scope of work for this engagement unless otherwise indicated:

- As-Built documents over and above field documents required for execution of design.
- Preparation of construction schedules.
- Preparation of permits or request for permits.
- Preparation of detailed descriptions of alternate bids.
- Conducting and documenting an As-Built survey.
- Responsibility for uncovering and correcting existing asbestos or other hazardous materials.
- Responsibility for obtaining, preparing, or developing Geo-Tech reports.
- Preparation of construction contracts and review of contractor's pay request.
- Complete project timeline provided for informational purposes only. Responsibility for project schedule beyond the design phase is not in the proposed scope of work.

Compensation

Compensation for engineering design services for the above listed tasks is on a Lump Sum basis with a budgetary estimate of \$40,860.00. The estimated expenses on the project are \$4162.50 and shall be billed at actual cost. See the attached Exhibit 1 chart on page 3 of this proposal for task, hours, and cost breakdowns estimated for this project. See Exhibit 2 for a tentative project timeline.

Additional Services

Additional services proposals related to research, evaluation, design and/or administration of technology/security or other special systems/telecommunications projects will be provided upon receipt of request from an appropriate Parsons principal.

Submitted By:

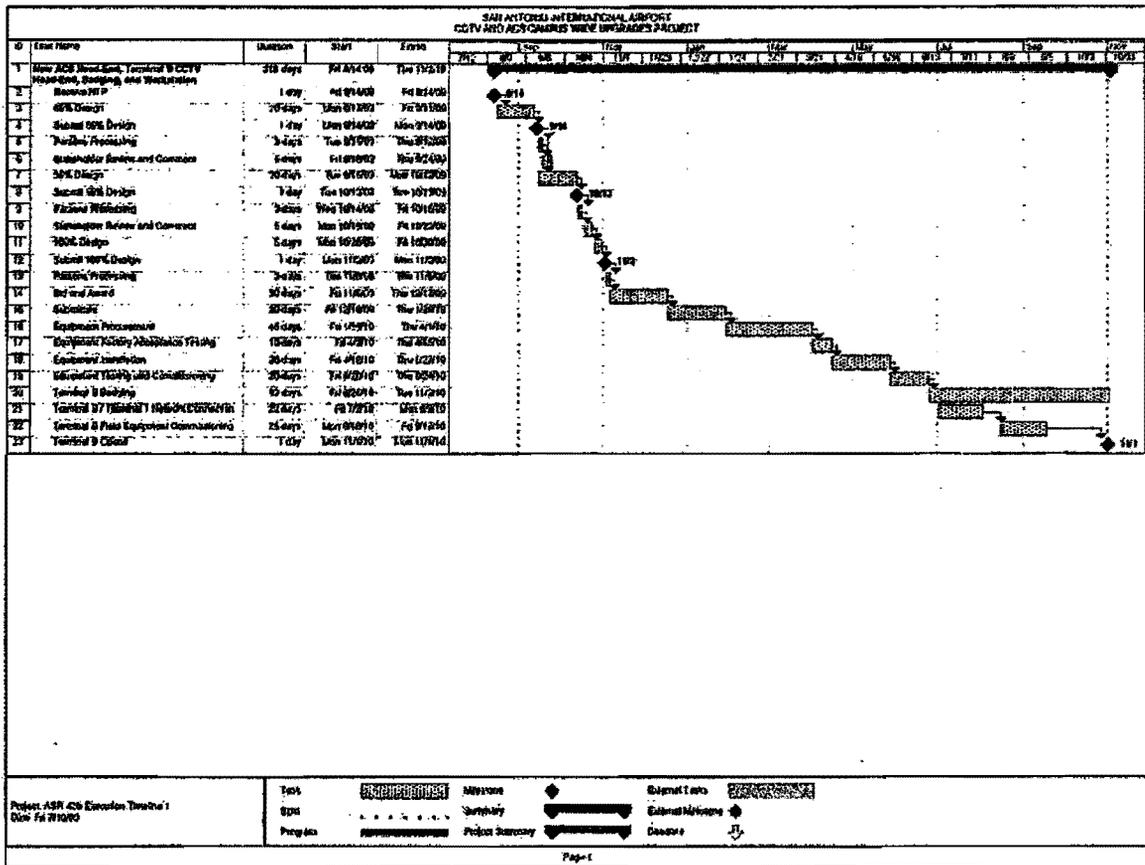
Patrick Geisler, PE
Principal / Technology
Infrastructure Associates, Inc.
6117 Richmond Avenue, Suite 200

Houston, Texas 77057
Main: (713) 622-0120
Fax: (713) 622-0557

Exhibit 1 - Compensation

Schedule	Rates	\$135.00	\$138.88	\$105.00	\$75.00	\$65.00	Totals
		PM/Sc. Engineer (PE)	Senior Systems Designer	Systems Designer	CADD Technician	Admin	
TASK 1: 100% Design Development							
On-Site Visit	Kickoff Meeting and Survey	3	3				16
	Drawings	12	30	3	12		63
	Specifications	4	15	6			25
	Cost Estimate	3	0				3
On-Site Visit	Design Review Meeting	3	3				16
		34	66	14	12	0	126
		\$ 4,590.00	\$ 8,940.00	\$ 1,470.00	\$ 900.00	\$ -	\$ 15,900.00
TASK 2: 95% Construction Documents							
	Incorporate Owner Comments	2	4	4	4		16
	Drawings	10	20	8	8		46
	Specifications	4	5	4			19
	Revised Cost Estimate	2	4				6
	Design Review Meeting	2	2				4
		20	35	16	14	0	85
		\$ 2,700.00	\$ 4,840.00	\$ 1,680.00	\$ 1,050.00	\$ -	\$ 10,270.00
TASK 3: 90% Construction Documents							
	Incorporate Owner Comments	1	4	2	2		9
	Drawings	1	4	2	2		9
	Specifications	1	2	1			4
		3	10	5	4	0	22
		\$ 405.00	\$ 1,300.00	\$ 625.00	\$ 300.00	\$ -	\$ 2,630.00
TASK 4: 85% Construction Documents							
On-Site Visit	Field Observations	8	8				16
	RFIs	8	14	4			24
	Submittals	8	20	4			30
On-Site Visit	Commissioning	8	14				24
		28	56	8	0	0	92
		\$ 3,780.00	\$ 7,540.00	\$ 840.00	\$ -	\$ -	\$ 12,160.00
							Total Fees \$ 40,040.00
Expenses							
	mileage	2500		\$ 0.59	\$ 1,482.90		
	Shipping (Deliverables)	3		\$ 75.00	\$ 225.00		
	Shipping (Submittals)	15		\$ 35.00	\$ 525.00		
	Hotel	9		\$ 150.00	\$ 1,350.00		
	Meals	12		\$ 80.00	\$ 960.00		
	Total Estimated Expenses				\$ 4,182.90		
ALL EXPENSES ARE ESTIMATES AND WILL BE BILLED FOR ACTUAL COSTS							
							Total Fee \$ 45,022.90

Exhibit 2 – Project Timeline



**ATTACHMENT II
ASR NO. 42c**

PARSONS

July 20, 2009 (*supersedes all previous additional service proposals 42c*)

Mr. Jorge A. Perez
Assistant CIMS Director
City of San Antonio
9800 Airport Boulevard
San Antonio, Texas 78216

**RE: Additional Services Request No. 42c
Campus Wide ACS and CCTV Upgrades
New Terminal Expansion Program
San Antonio International Airport**

Dear Mr. Perez,

Please refer to the Agreement dated May 29, 2003 between the City of San Antonio ("City") and 3D/International, now Parsons Commercial Technology Inc., ("Parsons") hereinafter called the "Agreement" pursuant to which Parsons is to perform certain services. The terms, which are defined in the Agreement, shall have the same meanings when used in this letter.

Based on the findings of the project definition document produced under ASR 42a, Parsons is providing this proposal for the design of campus wide Access Control System (ACS) and Closed Circuit Television (CCTV) upgrades. Components of the design, under this proposal, shall include project elements B through F of the ACS & CCTV Systems Project Scope Definition Document dated July 1, 2009. Specifically, these project elements include:

- B) ACS Field Equipment, Portal Hardware & Controllers for Terminal 1.
- C) Airport Operations Center (AOC).
- D) ACS Field Equipment, Portal Hardware & Controllers for Supplementary Campus Locations.
- E) CCTV Field Devices and Head-End Servers in Terminal 1.
- F) CCTV Field Devices for Supplementary Campus Areas.

Under this proposal, 100% construction documents, with reviews at 65% and 95%, shall be provided. Construction administration for the design of the above mentioned components shall also be provided. Refer to the ACS & CCTV Systems Project Scope Definition Document dated July 1, 2009 for additional detail of each project element.

Pursuant to Article VI of the Agreement referencing "Additional Compensation to Consultant", Parsons requests approval of the additional lump sum fees for services that are not a part of the Agreement for Basic Services as noted in the following table.

Mr. Jorge Paez, Assistant CIMS Director
 SAIA Expansion Program, Additional Services Request #42c
 July 20, 2009

Professional Services		
Contractor Name	Service	Amount
IA-TEK, Inc.	Security / Access Control	234,750.00
Shah Smith	MEP Engineering	23,473.00
Parsons, Inc.	Architectural and Management Services	74,980.00
Parsons, Inc.	Sub-consultant mark-up at 1.10	25,822.00
Subtotal		359,047.00
IA-TEK, Inc.	Reimbursable Expenses	26,700.00
Shah Smith	Reimbursable Expenses	1,000.00
Parsons, Inc.	Reimbursable Expense mark-up at 1.10	2,770.00
Total		\$ 389,495.00

Details of the fee amounts stated above are attached as follows: Exhibit A; Parsons fee, Exhibit B; IA-TEK proposal, and Exhibit C; Shah Smith proposal. The basis for payment for the services defined in this proposal shall be a lump sum of Three Hundred and Eighty Nine Thousand, Four Hundred and Ninety Five Dollars and no cents (\$389,495.00).

This proposal is good for sixty (60) calendar days. Services beyond the scope described above are excluded from this proposal.

If the foregoing is acceptable to you, please so execute by initiating a Notice to Proceed upon which Parsons is authorized to commence performance of the Additional Services as described herein.

If you need additional information, please contact me at (210) 227-2500.

ASR #42c
Proposed Parsons Fee
 20 July 2009

EXHIBIT A

Staff	Project Manager	Senior Project Architect	Project Architect	Design Staff I	Design Staff II	Design Staff III	Admin	Total
Rate	165.00	165.00	100.00	65.00	80.00	90.00	50.00	
30% Schematic Design	14.0	14.0	-	82.0	-	12.0	-	122.0
65% Design Development	20.0	20.0	-	110.0	-	15.0	-	165.0
95% Construction Documents	30.0	30.0	-	164.0	-	23.0	-	247.0
100% Construction Documents	10.0	10.0	-	55.0	-	8.0	-	83.0
Construction Administration	24.0	24.0	-	137.0	-	20.0	-	205.0
Total Hours	98	98	-	548	-	78	-	822
Total Cost	16,170.00	16,170.00	-	35,620.00	-	7,020.00	-	74,980



PROPOSAL

6117 Richmond Ave., Suite 200
Houston, Texas 77057
Facsimile Phone: (713) 622-0557
Voice Phone: (713) 622-0120

DATE: July 16, 2009
PROJECT: SAT ASR #42c
CLIENT: Parsons/3DI
ATTN: Mr. Chad Jones

Client Mr. Chad Jones
Project Manager
PARSONS/3DI
219 E. Houston Street, Suite 350
San Antonio, Texas 78205-1856

Exhibit B

Reference Proposal for consulting and engineering services for the additional services request (ASR) No. 42c Campus Wide Access Control System (ACS) and Closed Circuit Television (CCTV) Upgrades for the Terminal Expansion Program at San Antonio International Airport (SALA).

Scope of Work Overview

Infrastructure Associates – Technology Division (IA-TEK) shall provide the telecommunications and security design of the Terminal 1 ACS field components, Airport Operations Center (AOC) renovation, the Supplementary Locations ACS field components, the Terminal 1 CCTV Video Management System (VMS) head-end servers, storage devices, and field components, and the Supplementary Locations VMS field components. Necessary infrastructure improvements in Terminal 1, the AOC, and at the Supplementary Locations shall be designed in order to provide the required connectivity between these elements.

The basis of design for this project shall be the “San Antonio International Airport Campus ACS & CCTV Systems Project Scope and Definition Document” provided under ASR 42a.

Scope of Work Detail

Task 1: 30% Schematic Design

Based on the project definition document and follow-on field surveys, the schematic design of the new ACS and VMS field components for Terminal 1 and the Supplementary Locations, the VMS servers and storage for Terminal 1 and the Supplementary Locations, the new AOC layout and temporary AOC, and required telecommunications infrastructure shall be completed.

The design shall provide for the following elements:

- Review of locations for VMS head-end servers and storage devices to determine most suitable location. Terminal 1 IDF's shall be reviewed and weighed against using the Terminal B MDF or an off-site location in order to meet ITSD requirements.
- Provide a video surveillance design basis review that addresses camera coverage requirements, camera type requirements, video analytics requirements, and factors in TSA and ICAO requirements.
- Field surveys of VMS server locations, ACS and VMS field component locations, and pathway and cabling infrastructure shall be conducted to determine design requirements.
- Terminal 1 ACS and VMS field component locations and schematic level hardware requirements.
- New VMS servers and storage device locations and requirements to support Terminal 1 and Supplementary camera locations.
- AOC space programming to include a field survey and documentation of all AOC systems, development of the temporary AOC requirements, and a schematic layout diagram of the new AOC.
- Supplementary ACS and VMS field component locations and schematic level hardware requirements.
- Schematic block diagram of ACS and VMS components.
- Schematic block diagram of infrastructure improvement requirements.
- Schematic level plans and enlarged plans depicting device locations and backbone pathways.

- Provide engineer's cost opinion for base design and up to five add-alternates.
- A design review meeting shall be held with the stakeholders (Expansion Team, Aviation Department, and City of San Antonio (COSA) Information Technology Services Division (ITSD)) to review the 30% design comments.

Deliverables for this task will be:

- List of required specification sections
- Video surveillance design review
- 30% Schematic Design drawings

Task 2: 65% Design Development

Based on the 30% design review meeting, stakeholder comments shall be integrated into the design documents and 65% Design Development documents shall be produced. During the 65% design phase, the 30% schematic drawings shall be further developed into design development documents. Also, design development specifications shall be produced.

- Terminal 1 ACS and VMS field component locations and hardware.
- New VMS servers and storage device locations and configurations in Terminal 1 to support Terminal 1 and supplementary camera locations.
- AOC and temporary AOC enlarged plan showing equipment layout. An AOC systems and phasing plan. Temporary AOC and AOC systems block diagrams.
- Supplementary ACS and VMS field component locations and hardware.
- ACS and VMS block diagrams.
- Network block diagram, pathway riser diagram(s), cable riser diagram(s), and grounding riser diagram(s).
- Site plans, floor plans, and enlarged plans depicting device locations, backbone pathways, and IDF layouts.
- Develop a cutover and phasing plan for each of the project elements.
- 65% Design Development specifications.
- Provide engineer's cost opinion for base design and up to five add-alternates.
- A design review meeting shall be held with the stakeholders (Expansion Team, Aviation Department, and City of San Antonio (COSA) Information Technology Services Division (ITSD)) to review the 65% design comments.

Deliverables for this task will be:

- 65% Design Development specifications
- 65% Design Development drawings

Task 3: 95% Construction Documents

Based on the 65% design review meeting, stakeholder comments shall be integrated into the design documents and 95% Construction Documents shall be produced. During the 95% design phase, the 65% drawings and specifications shall be further developed into construction documents.

The design shall provide for the completed design of the following elements:

- Terminal 1 ACS and VMS field component locations and hardware.
- New VMS servers and storage device locations and configurations in Terminal 1 to support Terminal 1 and supplementary camera locations.
- AOC and temporary AOC enlarged plan showing equipment layout and phasing plan. Temporary AOC and AOC systems block diagrams.
- Supplementary ACS and VMS field component locations and hardware.
- ACS and VMS block diagrams.
- Network block diagram, pathway riser diagram(s), cable riser diagram(s), and grounding riser diagram(s).
- Site plans, floor plans, and enlarged plans depicting device locations, backbone pathways, and IDF layouts.
- Cabinet, enclosure, and wall elevation drawings.

- Equipment details.
- Schedules.
- Finalize a cutover and phasing plan for each of the project elements.
- 95% Construction Document specifications.
- Provide engineer's cost opinion for base design and up to five add-alternates.
- A design review meeting shall be held with the stakeholders (Expansion Team, Aviation Department, and City of San Antonio (COSA) Information Technology Services Division (ITSD)) to review the 95% design comments.

Deliverables for this task will be:

- 95% Construction Document specifications
- 95% Construction Document drawings

Task 4: 100% Construction Documents

Any final comments from the Owner on the 95% deliverable will be reviewed and incorporated and the Construction Documents will be issued.

Deliverables for this task will be:

- 100% Construction Document Specifications
- 100% Construction Document Drawings

Task 5: Construction Administration

IA-TEK shall provide the following construction administration services:

- Respond to RFI's / RFC's / ASI's within 2 working days from the time the request and materials are received.
- Review shop drawings and submittals to ensure compliance with contract and specifications. IA-TEK will issue approvals and/or requests for re-submissions promptly within 2 working days from time of receipt of the task and materials. Best efforts will be given to expedite in the priority in which they are received from Parsons.
- Review and approve testing and training materials, Contractor schedule, and Contractor phasing plan within 20 days from the time the request and materials are received.
- Observation of in-progress construction and final acceptance testing and commissioning activities as well as participating in punch-list development/observation.

Assumptions

- CADD Support / Background drawings will be provided to IA-TEK by Parsons
- IA-TEK is not responsible for accuracy of CADD drawings, or drawing files to depict as-built conditions.
- Text documents, specifications, etc. shall be provided in MS Word electronic format.
- Scope is based on discussions with Parsons/Expansion Team/SALA personnel. Modifications to the scope of work after receipt of NTP will result in additional service fees and expenses.
- Substantial changes and/or technical modifications resulting from client charrettes/review might constitute modifications to the scope of work and result in additional service fees and expenses.
- Should it be determined that SALA badging is necessary Parsons will sponsor and bond IA-TEK, else security escort will be provided for IA-TEK personnel for SAT on-site surveys, evaluations, interviews, and attending meetings.

Exclusions

The following are not included in the scope of work for this engagement unless otherwise indicated:

- As-Built documents over and above field documents required for execution of design.
- Preparation of construction schedules.

- Preparation of permits or request for permits.
- Conducting and documenting an As-Built survey.
- Responsibility for uncovering and correcting existing asbestos or other hazardous materials.
- Responsibility for obtaining, preparing, or developing Geo-Tech reports.
- Preparation of construction contracts and review of contractor's pay request.

Compensation

Compensation for engineering design services for the above listed tasks is on a Lump Sum basis with a budgetary estimate of \$234,750.00. The estimated expenses on the project are \$26,700.00 and shall be billed at actual cost. See the attached Exhibit 1 for task, hours, and cost breakdowns estimated for this project. See Exhibit 2 for a tentative project timeline.

Additional Services

Additional services proposals related to research, evaluation, design and/or administration of technology/security or other special systems/telecommunications projects will be provided upon receipt of request from an appropriate Parsons principal.

Submitted By:

Patrick Geisler, PE
Principal / Technology
Infrastructure Associates, Inc.
6117 Richmond Avenue, Suite 200
Houston, Texas 77057
Main: (713) 622-0120
Fax: (713) 622-0557

Exhibit 2 – Project Timeline

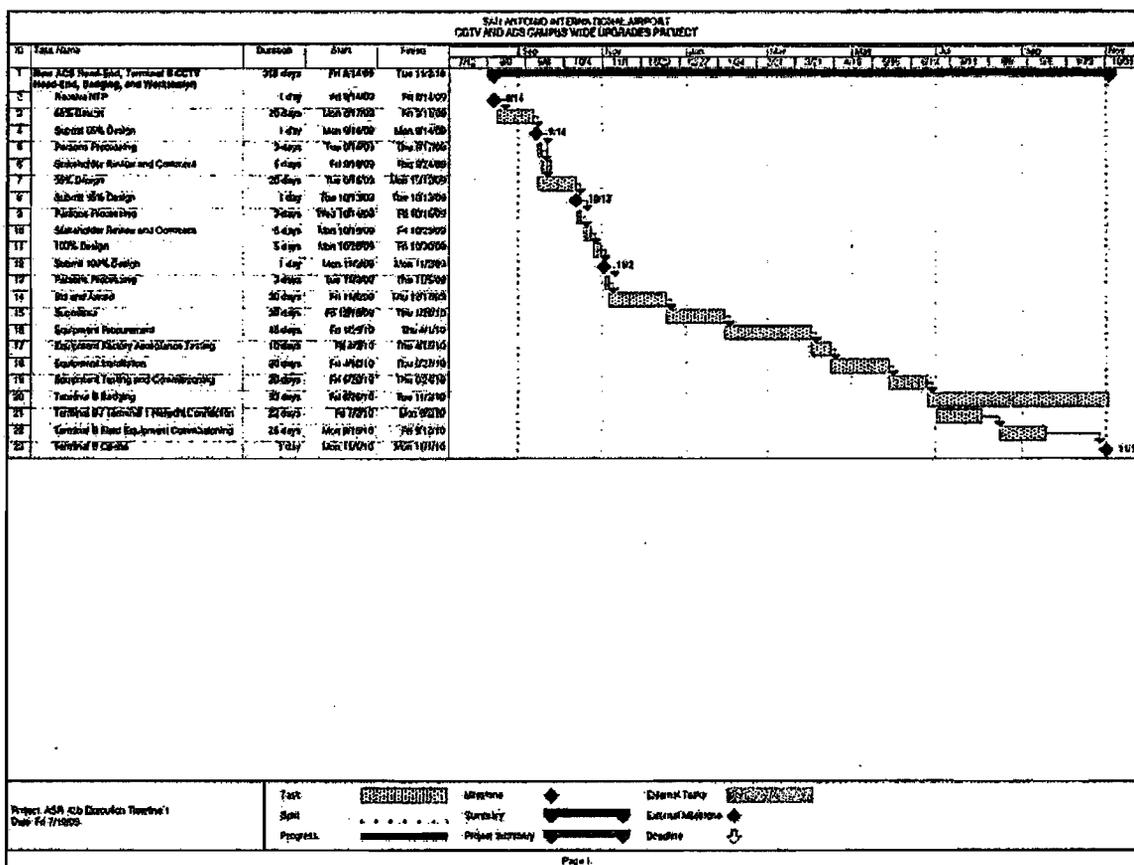


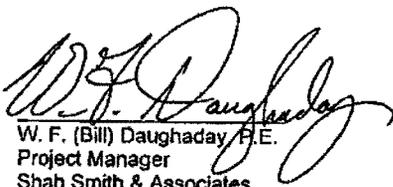
Exhibit C

SAIA - ACS Field Equip Term 1		Am#1		DATE 7/15/2009		
Shah Smith & Associates		SSA# 1034-006-54 ASR-42c		wfd		
TASK	SSA MAN HOURS					
	Principal \$180 per hr	P. M. \$147 per hr	Sen. Eng \$147 per hr	Engineer \$121 per hr	CADD \$87 per hr	Clerical \$67 per hr
1 Electrical						
Meetings for coordination and design	2	6	16	1	4	1
Field Investigations in T-1		2	16	3	16	1
Engineering Documents		2	40		48	1
Q.C. Review		1	1	4		1
Replace Halon w/ FM200 System		2	6	8	16	1
Total Hours Per Discipline	2	13	79	16	84	5
Total Discipline Cost	\$360	\$1,911	\$11,613	\$1,936	\$7,308	\$345
Electrical Engineering Total	\$23,473					
Reimbursable Costs =	\$1,000					

ACS Field Equip – T-1:

1. The reimbursable figures include site visit and coordination.
2. Reimbursable amounts will be by receipt.
3. If the above proposal is acceptable please follow with and acceptance/ NTP letter attached to this proposal.
4. Proposal is based upon the proposal request email dated 7/8/09.
5. Only power engineering (CD) is proposed and will be based upon timely delivery of backgrounds showing power requirements and locations of all desired power.

This proposal is a Lump Sum NTE proposal.



W. F. (Bill) Daughaday, P.E.
 Project Manager
 Shah Smith & Associates
wdaughaday@shahsmith.com
 713-780-7563, Cell 713-562-1401

ATTACHMENT II

PARSONS

14 July 2009

Mr. Jorge A. Perez
Assistant Director, CIMS
City of San Antonio
9800 Airport Boulevard
San Antonio, Texas 78216

RE: **Additional Services Request No. 71**
Pedestrian Linkage from Terminal B to Parking Structures
New Terminal Expansion Program
San Antonio International Airport

Dear Mr. Perez:

Please refer to the Agreement dated May 29, 2003 between the City of San Antonio ("City") and 3D/International, now Parsons Commercial Technology Inc., ("Parsons") hereinafter called the "Agreement" pursuant to which Parsons is to perform certain services. The terms, which are defined in the Agreement, shall have the same meanings when used in this letter.

In support of the Terminal Expansion Program, Parsons has been requested to design a pedestrian link across the terminal roadway from Terminal B to the parking lot and parking garages south of the roadway, identified herein as Concept 1. Additionally, the request includes rehabilitation of the remaining portion of the parking lot west of the short term garage, identified as Concept 2.

This ASR is divided into two parts. Part 71-A consists of the preparation of preliminary designs for each of the two concepts and Part 71-B consists of construction documents and CA services for the two concepts.

Concept 1: The scope consists of covered walks and ramps from the south curb of the terminal roadway linked to the remaining portion of an existing covered walk extending south to the long-term parking garage and to another extending east to the short term garage. It also includes reconstruction of the demolished portion of an open stair extending from the lowest short term garage level up to grade. A diagrammatic representation of all of these elements is included as Exhibit A. The area enclosed by the architectural elements described above is to be redeveloped, possibly with an area for future landscape.

Concept 2: The scope consists of extending the design from Concept 1 west into the remaining portion of a parking lot, redeveloping it for continued use as parking.

In both concepts, existing infrastructure elements are to be retained to the greatest extent possible.

Design elements will include steel-framed walkway cover structures compatible with the design of the existing walkway covers, walkway paving, retaining walls, railings, walkway lighting, possible relocation of existing parking lot lighting fixtures, water service for a future landscape irrigation system, backfill, topsoil and hydromulching of unpaved areas.

Some additional survey work included in the proposed fees. Subsurface utility location and mapping is excluded. Landscape design is also excluded, as is IT work.

This proposal assumes that as-built drawings will be provided for the location of new utility and hydronic construction that could be in conflict with the proposed improvements.

Pursuant to Article VI of the Agreement referencing "Additional Compensation to Consultant", Parsons requests approval of the additional services that are not a part of the Agreement for Basic Services.

Part 71-A, Concept 1

Parsons Architecture	\$	12,310
Jaster-Quintanilla		3,080
Shah Smith		1,260
CEC		7,086
Parsons Sub-consultant Mark-up at 10%		1,143
Survey Allowance		2,000
Total	\$	26,879

Part 71-A, Concept 2

Parsons Architecture	\$	3,800
Shah Smith		840
CEC		5,262
Parsons Sub-consultant Mark-up at 10%		610
Total	\$	10,512

Part 71-B, Concept 1

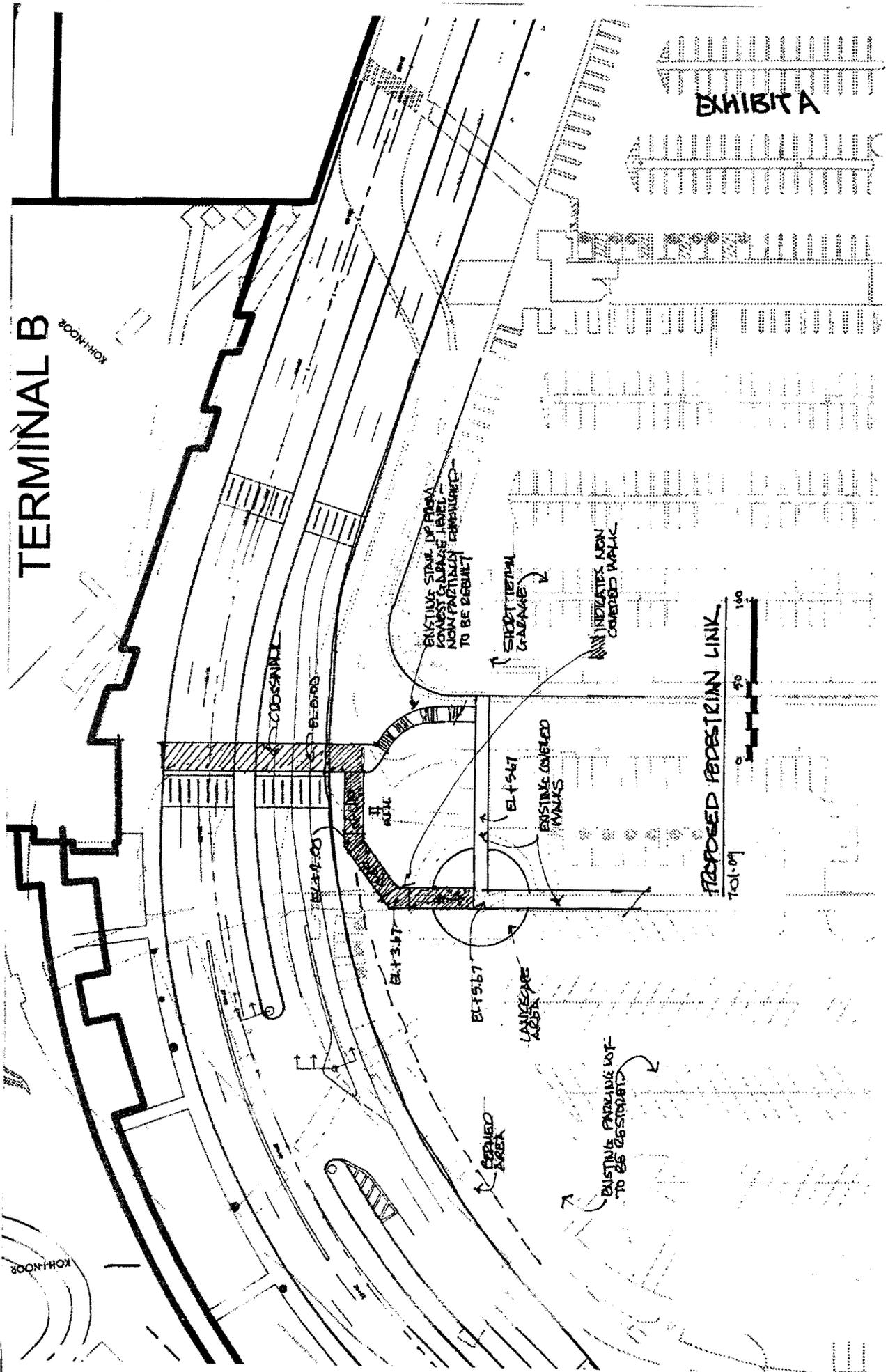
Parsons Architecture	\$	28,500
Jaster-Quintanilla		15,140
Shah Smith		4,740
CEC		10,615
Parsons Sub-consultant Mark-up at 10%		3,050
Total	\$	62,045

Part 71-B, Concept 2

Parsons Architecture	\$	5,550
Shah Smith		3,160
CEC		8,008
Parsons Sub-consultant Mark-up at 10%		1,117
Total	\$	17,835

Details of the fee amounts stated above are attached as follows: Exhibit B, Parsons fee; Exhibit, C, J-Q fee; Exhibit D, SSA fee; Exhibit E, CEC fee. Parsons agrees to perform the

TERMINAL B



ASR 71 - PEDESTRIAN LINKAGE

EXHIBIT B

13-Jul-09

Person/Task	Hours	Rate	Extension
Concept Design 1			
Management	8	165	1,320
Sr. Project Architect	48	165	7,920
Project Architect	4	130	520
Design Staff 2	34	75	2,550
Total			12,310
Concept Design 2			
Management	4	165	660
Sr. Project Architect	12	165	1,980
Project Architect	2	130	260
Design Staff 2	12	75	900
Total			3,800
Implement Concept 1			
Management	8	165	1,320
Sr. Project Architect	36	165	5,940
Project Architect	24	130	3,120
Design Staff 2	200	75	15,000
Specifications	24	130	3,120
Total			28,500
Implement Concept 2			
Management	4	165	660
Sr. Project Architect	12	165	1,980
Project Architect	8	130	1,040
Design Staff 2	18	75	1,350
Specifications	4	130	520
Total			5,550
Bidding - Concept 1			
Project Architect	8	130	1,040
Total			1,040
Bidding - Concept 2			
Project Architect	8	130	1,040
Total			1,040
Construction - Concept 1			
Field Staff	24	130	3,120
Project Architect	16	130	2,080
Total			5,200
Construction - Concept 2			
Field Staff	12	130	1,560
Project Architect	8	130	1,040
Total			2,600
Cost Estimating			
Estimate			4,000
TOTAL ALL			64,040

Jaster-Quintanilla San Antonio, LLP
San Antonio International Airport Expansion - ASR#71 Terminal B Arrivals Level Pedestrian Passage to Parking Lot

TASK DESCRIPTION		PARTNER	PROJ MANAGER	PROJ.ENG.	TECH.	DRAFT	CLER.	HOURS	\$ TOTAL						
	Direct Payroll Cost	62.00	58.00	48.00	35.00	35.00	19.00								
	Overhead and Profit	2.50	2.50	2.50	2.50	2.50	2.50								
	Hourly rates	155.00	145.00	120.00	87.50	87.50	47.50								
DIRECT COSTS															
<i>ASR#71 Terminal B Arrivals Level Pedestrian Passage to Parking Lot</i>															
<i>ASR#71-A Concept Design</i>															
Coordination		6	\$930.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	6	\$930.00					
Concept Level Drawings			\$0.00	\$0.00	4	\$480.00	\$0.00	12	\$1,050.00	\$0.00	16	\$1,530.00			
Review Meeting		4	\$620.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	4	\$620.00					
	Total	10	\$1,550.00	0	\$0.00	4	\$480.00	0	\$0.00	12	\$1,050.00	0	\$0.00	26	\$3,080.00
<i>ASR#71-B Detailed Design and Construction Administration Services</i>															
Coordination		12	\$1,860.00	\$0.00	4	\$480.00	\$0.00	\$0.00	\$0.00	\$0.00	16	\$2,340.00			
Canopy Design		1	\$155.00	\$0.00	6	\$720.00	\$0.00	\$0.00	\$0.00	\$0.00	7	\$875.00			
Canopy Foundation Design		0.5	\$77.50	\$0.00	2	\$240.00	\$0.00	\$0.00	\$0.00	\$0.00	2.5	\$317.50			
Stair and Ramp Plans		1	\$155.00	\$0.00	4	\$480.00	\$0.00	12	\$1,050.00	\$0.00	17	\$1,685.00			
Stair, Ramp, and Retaining Wall Details		1	\$155.00	\$0.00	6	\$720.00	\$0.00	8	\$700.00	\$0.00	15	\$1,575.00			
Canopy Foundation Details		0.5	\$77.50	\$0.00	4	\$480.00	\$0.00	8	\$700.00	\$0.00	12.5	\$1,257.50			
Canopy Framing Plans		1	\$155.00	\$0.00	4	\$480.00	\$0.00	12	\$1,050.00	\$0.00	17	\$1,685.00			
Canopy Framing Details		1	\$155.00	\$0.00	6	\$720.00	\$0.00	8	\$700.00	\$0.00	15	\$1,575.00			
Review Meeting		4	\$620.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	4	\$620.00			
Incorporate Review Comments		2	\$310.00	\$0.00	8	\$960.00	\$0.00	8	\$700.00	\$0.00	18	\$1,970.00			
Two site visits		8	\$1,240.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	8	\$1,240.00			
	Total	32	\$4,960.00	0	\$0.00	44	\$5,280.00	0	\$0.00	56	\$4,900.00	0	\$0.00	132	\$15,140.00

EXHIBIT C

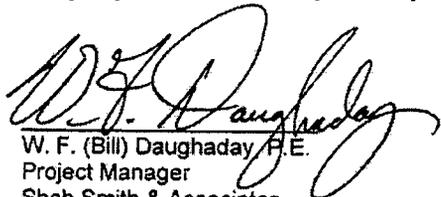
EXHIBIT D

T- B Ped. Passage Shah Smith & Associates		SAIA ASR#71 SSA# 1034-006-52				DATE 7/2/2009 wfd	
		SSA MAN HOURS					
TASK		Principal \$180 per hr	P. M. \$147 per hr	Sen. Eng \$147 per hr	Engineer \$121 per hr	CADD \$87 per hr	Clerical \$67 per hr
CONCEPT DESIGN							
C-1	lighting, power & water evaluation	1	4	8	0	0	1
C-2	lighting, power & water evaluation	1	4	8	0	0	1
DESIGN							
D-1	lighting, power & water design		2	16	10	8	1
D-2	lighting, power & water design		2	16	10	8	1
CONSTRUCTION ADMIN.							
A-1	lighting, power & water C.A.		2	4	1	8	1
A-2	lighting, power & water C.A.		2	4	1	8	1
This proposal will use only one evaluation for each phase of the project →							
				CD	\$2,011		
				Des.	\$4,619		
				CA	\$1,766		
				TOTAL	\$8,396		
				Trip	\$1,089		- 71-B
				Grand Total	\$9,485		
WITH THE POSSIBILITY OF WATER METER INVOLVEMENT							
THIS PROPOSAL WILL BE FOR \$10,000							

SAIA Terminal B Pedestrian Passage – Electrical and Plumbing:

- The general scope of work was derived from Milton Babbitt email dated 7/1/09.
- If the above proposal is acceptable please follow with NTP from Parsons and SAIA Authority.

This proposal is a Lump Sum proposal.



W. F. (Bill) Daughaday, P.E.
Project Manager
Shah Smith & Associates
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713-780-7563, Cell 713-562-1401

71-A is 21% of total of \$9485
 71-B is 79% of total of \$9485
 For revised total of \$10,000
 71-A is \$2100
 71-B is \$7900

Concept 1 represents 60% of work
 Concept 2 represents 40% of work

71-A(1) = \$1,260
 71-A(2) = \$840
 71-B(1) = \$4,740
 71-B(2) = \$3,160

COST ESTIMATE SAN ANTONIO INTERNATIONAL ASR 71, TB PEDESTRIAN BRIDGE CEC July 13, 2009		Principal	Project Manager	Project Engineer	E.I.T. 2	Engineering CADD Tech	Clerical	Task Hours	Expenses	TOTAL	
Labor Rate \$/hour		175	150	110	84	68	45				
ITEM	TASK	CEC HOURS (CONSULTING)							Task Hours	Expenses	Extension
	Design, Bidding, and Construction Services	0	55	145	0	71	35	306	368	\$ 30,971.00	
	Percentage of Time by Labor Classification (CEC)	0.00%	17.97%	47.39%	0.00%	23.20%	11.44%	100.00%			
A	Concept Design Phase	0	23	66	0	19	6	114	\$ 78.00	\$ 12,348.00	
1	Meetings		2	4			2	8	\$ 42.00	\$ 872.00	
2	Concept 1 Development (Ramp Options)							0	\$ -	\$ -	
2a	Basemap Development							0	\$ -	\$ -	
2b	Record drawing research			8		2		10	\$ -	\$ 1,016.00	
2c	Utility research			8		2		10	\$ -	\$ 1,016.00	
2d	Concept ramp grading plan development		2	8		4		14	\$ -	\$ 1,452.00	
2e	Utility analysis		2	4		2		8	\$ -	\$ 876.00	
2f	Quantity takeoffs			2		3		5	\$ -	\$ 424.00	
2g	QA		4					4	\$ -	\$ 600.00	
2h	Subission/Client review/Finalization		2	4			2	8	\$ -	\$ 830.00	
	<i>Subtotal</i>	0	12	38	0	13	4	67	\$ 42.00	\$ 7,086.00	
3	Concept 2 Development (parking lot grading and striping)							0	\$ -	\$ -	
3a	Grading plan development		4	12		4		20	\$ -	\$ 2,192.00	
3b	Utility analysis		2	4		2		8	\$ -	\$ 876.00	
3c	Quantity takeoffs		2	4				6	\$ -	\$ 740.00	
3d	QA		2	4				6	\$ -	\$ 740.00	
3e	Subission/Client review/Finalization		1	4			2	7	\$ 34.00	\$ 714.00	
	<i>Subtotal</i>	0	11	28	0	6	2	47	\$ 34.00	\$ 5,262.00	
B	Final Design and Construction Phase Services	0	32	79	0	52	29	192	\$ 292.00	\$ 18,623.00	
Final Design											
1	Meetings		2	4			2	8	\$ -	\$ 830.00	
2	Plan Development										
2a	Project Layout and Control		1	2		8		11	\$ 46.00	\$ 960.00	
2b	Site grading		2	4		16		22	\$ -	\$ 1,828.00	
2c	Site paving plan		2	2		8		12	\$ -	\$ 1,064.00	
2d	Paving details		1	2		8		11	\$ -	\$ 914.00	
2e	Utility relocation plan (water, sewer, gas)		2	2		8		12	\$ -	\$ 1,064.00	
2f	Utility details		1	2		4		7	\$ -	\$ 642.00	
3	Specifications		4	8			8	20	\$ 46.00	\$ 1,886.00	
4	Quantity takeoffs			4				4	\$ -	\$ 440.00	

EXHIBIT E

COST ESTIMATE SAN ANTONIO INTERNATIONAL ASR 71, TB PEDESTRIAN BRIDGE CEC July 13, 2009		Principal	Project Manager	Project Engineer	E.I.T. 2	Engineering CADD Tech	Clerical	Task Hours	Expenses	TOTAL	
ITEM	TASK	Labor Rate \$/hour	175	150	110	84	68	45			
		CEC HOURS (CONSULTING)									Extension
5	QA		2	2					4	\$ -	\$ 520.00
6	Subission/Client review/Finalization		1	4				2	7	\$ 34.00	\$ 714.00
	<i>Subtotal</i>		0	18	36	0	52	12	118	\$ 126.00	\$ 10,862.00
Construction											
1	Attend One Pre-Construction Workshop			4	4			2	10	\$ 28.00	\$ 1,158.00
2	Conduct review of contractor submittals (10 submittals)			2	8			5	15	\$ -	\$ 1,405.00
3	Conduct review of and respond to contractor RFI's (20 RFI's)			2	8			2	12	\$ -	\$ 1,270.00
4	Make up to 3 site visits to review construction progress			2	9			2	13	\$ 138.00	\$ 1,518.00
5	Review, comment, evaluate, and prepare up to 2 potential change orders			2	8			4	14	\$ -	\$ 1,360.00
6	Conduct final inspection			2	6			2	10	\$ -	\$ 1,050.00
	<i>Subtotal</i>		0	14	43	0	0	17	74	\$ 166.00	\$ 7,761.00
F	Other Related Design Services										\$ 2,000.00
1	Surveying Allowance										\$ 2,000.00
										Basic Services	\$ 30,971.00
										Other Related Design Services	\$ 2,000.00
										Total Services	\$ 32,971.00
Percentage of Cost By Phase of Work											
Phase Description		Percentage of Cost by Primary Phase									
Concept Design Phase		39.87%									
Final Design and Construction Phase Services		60.13%									
Total		100.00%									