

AN ORDINANCE 2007-02-08-0142

AUTHORIZING THE EXECUTION OF AN AGREEMENT WITH THE TEXAS DEPARTMENT OF TRANSPORTATION TO ACCEPT A \$172,316 GRANT OF FEDERAL HIGHWAY ADMINISTRATION FUNDS FROM THE FY2004 INTELLIGENT TRANSPORTATION SYSTEMS (ITS) DEPLOYMENT PROGRAM TO DEVELOP A PLAN FOR FUTURE DEPLOYMENTS OF THE SAN ANTONIO TRANSPORTATION MANAGEMENT SYSTEM, IN CONNECTION WITH THE CITY'S ITS INTEGRATION STUDY.

* * * * *

WHEREAS, purusant to Ordinance No. 2006-04-06-0435 dated April 6, 2006, the Council approved the submission of a grant application to the Federal Highway Administration (FHWA) for the consideration of the FY 2004 Intelligent Transportation System (ITS) Deployment Program to help fund an ITS Integration Study; and

WHEREAS, it is estimated that the ITS Integration Study will cost \$344,632.00 of which \$172,316 will be funded by FHWA through TxDot and the City will fund the remaining balnce of \$172,316 through Advanced Transportaion District; and

WHEREAS, the ITS Integration Study is instrumental in the development of an overall ITS Integration and Deployment Plan that will enhance the City's existing ITS program in disseminating traffic and roadway information more effectively for the benefit of motorists and the community; and

WHEREAS, Ordinance No. 2006-04-06-0435 also authorized the acceptance of the grant once awarded and the appropriation of the \$172,316 for the City's match; and

WHEREAS, in order for the City to receive these funds, it is necessary to enter into an Agreement with the Texas Department of Transportation to outline the grant requirements; **NOW THEREFORE**,

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

SECTION 1. The City Manager, or her designee, is hereby authorized to execute an Agreement with the Texas Department of Transportation to accept \$172,316.00 from the Federal Highway Administration (FHWA), for the 2004 Intelligent Transportation System (ITS) for the grant period April 26, 2006 through April 25, 2007. A copy of the Agreement with the Texas Department of Transportation is attached hereto and incorporated herein as **Attachment I**. The budget is attached hereto and incorporated herein for all purposes as **Attachment II**, is approved and adopted for entry in the City books.

SECTION 2. The following financial adjustments are hereby approved:

- a) Fund 26059000 entitled Texas Department of Transportation and Internal Order 123000000333 entitled Intelligent Transportation System FY04, are hereby designated for use in the accounting for the fiscal transaction in the acceptance of this grant.

- b) The amount of \$172,316.00 is appropriated in fund 26059000, Texas Department of Transportation, Internal Order # 123000000333, G/L account 6102100 – Interfund Transfer out entitled Transfer to 23-00087-90-02. The amount of \$172,316.00 is authorized to be transferred to fund 40099000.
- c) The budget in fund 40099000, Project Definition 23-00087, ATD-ITS Integration/Deployment, shall be revised by increasing WBS element 23-00087-90-02 entitled Trf Fr I/O# 123000000333, GL account 6101100 – Interfund Transfer In, by the amount \$172,316.00.
- d) The amount of \$172,316.00 is appropriated in fund 29084000, Advanced Transportation District, Internal Order # 390000000434, G/L account 6102100 – Interfund Transfer out entitled Transfer to 23-00087-90-01. The amount of \$172,316.00 is authorized to be transferred to fund 40099000.
- e) The budget in fund 40099000, Project Definition 23-00087, ATD-ITS Integration/Deployment, shall be revised by increasing WBS element 23-00087-90-01 entitled Trf Fr I/O# 390000000434, GL account 6101100 – Interfund Transfer In, by the amount \$172,316.00.
- f) The amount of \$344,632.00 is appropriated in Fund 40099000, Other Capital Projects, Project Definition 23-00087, ATD-ITS Integration/Deployment, WBS element 23-00087-01-02, entitled Design Costs, G/L Account 5201170, and is authorized to be encumbered and made payable for design costs.

SECTION 3. 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 4. This ordinance shall take effect on the 18th day of February, 2007.

PASSED AND APPROVED this 8th day of February, 2007.



M A Y O R

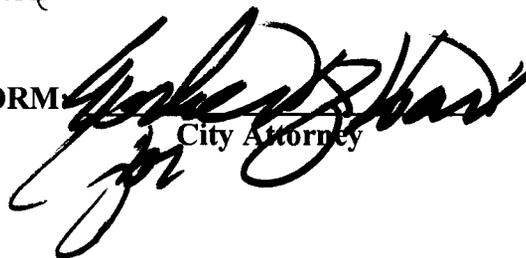
PHIL HARDBERGER

ATTEST:



City Clerk

APPROVED AS TO FORM:



City Attorney

Agenda Voting Results

Name: 12.

Date: 02/08/07

Time: 09:53:43 AM

Vote Type: Multiple selection

Description: 12.

An Ordinance authorizing the execution of an agreement with the Texas Department of Transportation to accept a \$172,316.00 grant of Federal Highway Administration funds from the FY2004 Intelligent Transportation Systems (ITS) Deployment Program to develop a plan for future deployments of the San Antonio Transportation Management System, in connection with the City's ITS Integration Study.

[Presented by Thomas Wendorf, Director, Public Works; Jelyne LeBlanc Burley, Deputy City Manager]

Voter	Group	Status	Yes	No	Abstain
ROGER O. FLORES	DISTRICT 1		x		
SHEILA D. MCNEIL	DISTRICT 2		x		
ROLAND GUTIERREZ	DISTRICT 3		x		
RICHARD PEREZ	DISTRICT 4		x		
PATTI RADLE	DISTRICT 5		x		
DELICIA HERRERA	DISTRICT 6		x		
ELENA K. GUAJARDO	DISTRICT 7		x		
ART A. HALL	DISTRICT 8		x		
KEVIN A. WOLFF	DISTRICT 9		x		
CHIP HAASS	DISTRICT_10		x		
MAYOR PHIL HARDBERGER	MAYOR		x		

Interlocal Agreement

Office of General Counsel – Contract Services Section Transmittal Form

From: Traffic Operations Division (TRF)	Contact Person: Alex Power Phone No.: 512-506-5153
Subject: FY04 SAT – San Antonio Transportation Management System (SATMS)	
Other Entity: City of San Antonio	Contract Maximum Amount Payable: \$344,632.00
Are any federal funds used in this contract? Yes – \$172,316.00 (50%)	
Is the other party to this contract a county? No Does this contract involve the construction, improvement, or repair of a building or road? No If the answer to both questions is yes, a resolution from the commissioners court must be included as Attachment D. n/a	
Was the standard interlocal or amendment format modified? No If modified, date of OGC-CSS approval: n/a Modifications made are as follows: n/a	

THE STATE OF TEXAS §

THE COUNTY OF TRAVIS §

INTERLOCAL AGREEMENT

THIS CONTRACT is entered into by the Contracting Parties under Government Code, Chapter 791.

I. CONTRACTING PARTIES:

The Texas Department of Transportation
The City of San Antonio

TxDOT
Local Government

II. PURPOSE: Develop a plan for future deployments of the San Antonio Transportation Management System (SATMS), a San Antonio-wide multi department, multi agency, transportation services data and video field network for ITS and traffic device communications.

III. STATEMENT OF SERVICES TO BE PERFORMED: The Local Government will undertake and carry out services described in Attachment A, Scope of Services.

IV. CONTRACT PAYMENT: The total amount of this contract shall not exceed \$344,632.00 and shall conform to the provisions of Attachment B, Budget. Payments shall be billed monthly.

V. TERM OF CONTRACT: Payment under this contract beyond the end of the current fiscal biennium is subject to availability of appropriated funds. If funds are not appropriated, this contract shall be terminated immediately with no liability to either party. This contract begins when fully executed by both parties and terminates after 24 months or when otherwise terminated as provided in this Agreement.

VI. LEGAL AUTHORITY:

THE PARTIES certify that the services provided under this contract are services that are properly within the legal authority of the Contracting Parties.

The governing body, by resolution or ordinance, dated [REDACTED], has authorized the Local Government to provide the scope of services.

This contract incorporates the provisions of Attachment A, Scope of Services, Attachment B, Budget, Attachment C, General Terms and Conditions, Attachment D, Resolution or Ordinance and Attachment E, Location Map Showing Project.

CITY OF SAN ANTONIO

By _____ Date _____
AUTHORIZED SIGNATURE

TYPED OR PRINTED NAME

Title _____
TYPED OR PRINTED TITLE

FOR THE STATE OF TEXAS

Executed for the Executive Director and approved for the Texas Transportation Commission for the purpose and effect of activating and/or carrying out the orders, established policies or work programs heretofore approved and authorized by the Texas Transportation Commission.

By _____ Date _____

Janice Mullenix
Director, Contract Services Section
Office of General Counsel

ATTACHMENT A

Scope of Services

The scope of services for this project is the City of San Antonio will develop a plan for future deployment phases, which will include:

1. Develop a San Antonio Transportation Management System (SATMS) plan. The SATMS plan will identify advanced technologies suitable for integration and operation of existing and planned systems. The plan will identify necessary traffic system hardware and software component upgrades, ITS integration technology needs, set direction for implementing those technologies, establish priorities for implementation, and develop initial project concepts for integration.
2. Develop and assist in implementing the appropriate mechanism for upgrading the traffic signal system as required to support the integration and operation of current and future systems. This will require improving central system software and hardware, improving network interface equipment at the intersections, improving controllers, and adding video detection and monitoring equipment in support of a 2070 controller environment.
3. Develop a SATMS communications network plan that will support the functional needs of current and future systems. This will require coordinating with other partners both within and outside the City of San Antonio.

All three areas will require the consultant to emphasize the following:

- Identify and evaluate current and future transportation system functional requirements. This will include but not be limited to identifying elements of arterial management systems, low water crossing, transit, emergency services, communication, remote accessibility and data collection that will benefit from ITS technologies and related real-time information.
- Identify and evaluate technologies available for one or more of the elements to include performance measures for the various integration and deployment efforts.
- Identify current and potential funding sources.
- Identify network, interface, hardware, and software upgrades necessary to provide required traffic management functionality on a modern network and protect against system obsolescence.
- Identify logical phases of expansion that can be implemented as future funds become available to achieve a robust city wide multi agency common ITS and traffic communications network.
- Provide a plan and infrastructure for integrating operations centers and dispatch facilities throughout the city so that data gathered from various field systems can be assimilated and shared to help make timely and informed coordinated response decisions for various situations.
- Identify current and planned projects of the various transportation partners that may impact the SATMS plan and its deployment, coordinate and integrate/address, as necessary.
- Establish a systems engineering based evaluation of the pilot deployment data that will provide the basis for next phase expansion, as funds become available.
- Assist in deployment efforts to include evaluation of options, as needed.

The City-Wide ITS Data and Video Network, San Antonio Transportation Management System (SATMS), will be a San Antonio-wide multi department, multi agency, transportation services data and video field network for ITS and traffic device communications and will facilitate sharing of transportation data between city and other agency systems for improved agency coordination and incident response management activities. Improved communications speed and reliability and new opportunities to share data between systems is expected to help improve daily management of traffic flow and mitigation of recurrent congestion issues, minor roadway accidents, scheduled construction and scheduled events resulting in reduction of emissions and improved safety.

ATTACHMENT B

Budget

The Local Government will participate in the cost of the system plan, design and integration, as well as acceptance testing and evaluation. Based on the City's need for this project, the Local Government's participation is 50% of the cost of this particular improvement and the other 50% will be paid for with federal funds. The Local Government's estimated participation of this work is \$172,316.00, including engineering and contingencies. The project estimate is as follows:

Activity Item	Total Estimated Cost		FHWA Funds		State Funds		Other Funds	
	\$344,632 is eligible for "participation"	% of participating total ↓	\$172,316 awarded	% of item total ←	TxDOT	% of item total ←	City of San Antonio	% of item total ←
System Integration Plan	\$157,000.00	I 46%	\$78,500	50%	\$0	0%	\$78,500	50%
System Integration Design	\$58,000.00	I 17%	\$29,000	50%	\$0	0%	\$29,000	50%
Communications System Infrastructure Deployment	\$100,000.00	D 29%	\$50,000	50%	\$0	0%	\$50,000	50%
Communications System Integration	\$18,000.00	I 5%	\$9,000	50%	\$0	0%	\$9,000	50%
Acceptance Testing	\$4,000.00	I 1%	\$2,000	50%	\$0	0%	\$2,000	50%
Evaluation	\$7,632.00	I 2%	\$3,816	50%	\$0	0%	\$3,816	50%
TOTAL	\$344,632	100%	\$172,316	50%	\$0	0%	\$172,316	50%

D=Deployment (30% maximum of participating funds); I=Integration (70% minimum); X=not eligible for participation.

Direct State Cost will be based on actual charges.

Local Government's Participation (50%) = \$172,316.00

This is an estimate only; final participation amounts will be based on actual charges to the project. However, Federal participation is capped at \$172,316.00.

Procedure for payment and reimbursement

FY04 ITS Deployment Program
City of San Antonio, ITS Technologies
a.k.a San Antonio Transportation Management System (SATMS)
\$172,316 federal (50%) + \$172,316 city (50%) = \$344,632 total
Federal Project Number: ITS 2004 (556)
TxDOT CSJ: 0915-00-112

Action	Responsible party
City and TxDOT to execute an interlocal agreement.	TxDOT SAT
City and TxDOT to determine whether direct deposit payment will be utilized for payment from State to City; if yes then TxDOT District accounting office to coordinate with City.	TxDOT-SAT
Project to be set up correctly in FIMS so that request for reimbursement from FHWA to TxDOT is automatic. It must be for all of the 50% share of the total project. Bruce/FIN recommends Segment 78, FC 280 (City force, even though city staff not performing work) at 100% reimbursement, EO 372 (payment for all outside force account). Copy Bruce on this FIMS setup request to Bill/FIN.	TxDOT TRF
This project is authorized at TxDOT by <u>Minute Order #108995 (8/22/02)</u> . "IT IS FURTHER ORDERED that the executive director or his designee is authorized to continue applying for additional ITS funding..." This will not count toward District's budget or letting cap.	TxDOT TRF
City and Vendor to agree on payment terms for all invoices (i.e. 100% "now," or 50% now and 50% later).	City
Vendor to send individual invoices to the City.	Vendor
City to pay vendor (100% or 50%, per agreement above).	City
City to send a City invoice to TxDOT San Antonio District project manager for 50% of Vendor total invoice (include this in backup). Payment from State to City must be made within 30 days of receipt of invoice.	City
District project manager to review and approve invoice, then send signed invoice to District accounting office.	TxDOT SAT
District accounting office to process payment by submitting a TxDOT voucher via mainframe.	TxDOT SAT
If contract is set up as direct deposit, then Comptroller will automatically send payment electronically to City finance account. (If a check is required, then Comptroller writes/sends hard copy check to TxDOT FIN, who then sends to District accounting office, who then mails to City.)	TxDOT TRF

ATTACHMENT C**General Terms and Conditions****Article 1. Additional Work**

- A. If the Local Government is of the opinion that any assigned work is beyond the scope of this contract and constitutes additional work, it shall promptly notify TxDOT in writing. The written notice shall present the relevant facts and show how the work constitutes additional work.
- B. If TxDOT in its sole discretion finds that the work does constitute additional work, TxDOT shall so advise the Local Government and a written amendment will be executed. The Local Government shall not perform any proposed additional work or incur any additional costs before the execution of an amendment.
- C. TxDOT shall not be responsible for actions by the Local Government or for any costs incurred by the Local Government relating to additional work that is performed before an amendment is executed or that is outside the scope of the contract, as amended.

Article 2. Amendments

This contract may only be amended by written agreement executed by both parties before the contract is terminated.

Article 3. Notice to Proceed

If Attachment A requires a notice to proceed, the Local Government shall not proceed with any work or incur any costs until TxDOT issues a written notice to the Local Government authorizing work to begin. Any costs incurred by the Local Government before receiving the notice are not eligible for reimbursement.

Article 4. Conflicts Between Agreements

If the terms of this contract conflict with the terms of any other contract between the parties, the most recent contract shall prevail.

Article 5. Nonconforming Work

If the Local Government submits work that does not comply with the terms of this contract, TxDOT shall instruct the Local Government to make any revisions that are necessary to bring the work into compliance with the contract. No additional compensation shall be paid for this work.

Article 6. Termination

This contract terminates at the end of the contract term, when all services and obligations contained in this contract have been satisfactorily completed, by mutual written agreement, or 30 days after either party gives notice to the other party, whichever occurs first. TxDOT shall compensate the Local Government only for those eligible expenses that are incurred during this contract and that are directly attributable to the completed portion of the work covered by this contract and only if the work has been completed in a manner satisfactory and acceptable to TxDOT. The Local Government shall neither incur nor be reimbursed for any new obligations after the date of termination.

Article 7. Funding

TxDOT shall pay for services from appropriation items or accounts from which like expenditures would normally be paid. Payments received by the Local Government shall be credited to the current appropriation items or accounts from which expenditures of that character were originally made. If for any reason subcontractors and suppliers, if any, are not paid before TxDOT reimburses the Local Government for their services, the Local Government shall pay the subcontractors and suppliers all undisputed amounts due for work no more than 10 days after the Local Government receives payment for the work unless a different time is specified by law. This requirement also applies to all

lower-tier subcontractors and suppliers and must be incorporated in all subcontracts. If the Local Government fails to comply with this Article, TxDOT may withhold payments and suspend work until the subcontractors and suppliers are paid. The Local Government is authorized to submit requests for reimbursement no more frequently than monthly and no later than ninety (90) days after costs are incurred.

Article 8. Basis for Calculating Reimbursement Costs

TxDOT will reimburse the Local Government for actual costs incurred in carrying out the services authorized in Attachment A, Scope of Services, subject to the cost categories and estimated costs set forth in Attachment B, Budget. TxDOT shall compensate the Local Government for only those eligible expenses incurred during this contract that are directly attributable to the completed portion of the work covered by this contract, provided that the work has been completed in a manner satisfactory and acceptable to TxDOT. The Local Government shall not incur or be reimbursed for any new obligations after the effective date of termination. The Local Government shall bill TxDOT for actual travel expenses, not to exceed the limits reimbursable under state law. Out-of-state or out-of-country travel by the Local Government requires prior approval by TxDOT.

Article 9. Gratuities

Any person who is doing business with or who reasonably speaking may do business with TxDOT under this contract may not make any offer of benefits, gifts, or favors to employees of TxDOT. The only exceptions allowed are ordinary business lunches and items that have received the advanced written approval of the Executive Director of the Texas Department of Transportation.

Article 10. Conflict of Interest

The Local Government shall not assign an employee to a project if the employee:

- A. owns an interest in or is an officer or employee of a business entity that has or may have a contract with the state relating to the project;
- B. has a direct or indirect financial interest in the outcome of the project;
- C. has performed services regarding the subject matter of the project for an entity that has a direct or indirect financial interest in the outcome of the project or that has or may have a contract with TxDOT; or
- D. is a current part-time or full-time employee of TxDOT.

Article 11. Local Government Resources

All employees of the Local Government shall have adequate knowledge and experience to enable them to perform the duties assigned to them. The Local Government certifies that it currently has adequate qualified personnel in its employment to perform the work required under this contract or will be able to obtain adequate qualified personnel from sources other than TxDOT. On receipt of written notice from TxDOT detailing supporting factors and evidence, the Local Government shall remove from the project any employee of the Local Government who is incompetent or whose conduct becomes detrimental to the work. Unless otherwise specified, the Local Government shall furnish all equipment, materials, supplies, and other resources required to perform the work.

Article 12. Assignment Subcontracts

A subcontract may not be executed by the Local Government without prior written authorization by TxDOT. Subcontracts in excess of \$25,000 shall contain all applicable terms and conditions of this contract. No subcontract will relieve the Local Government of its responsibility under this contract. Neither party shall assign any interest in this agreement.

Article 13. Responsibilities of the Parties

Each party acknowledges that it is not an agent, servant, or employee of the other party. Each party is responsible for its own acts and deeds and for those of its agents, servants, or employees.

Article 14. Disputes

The Local Government shall be responsible for the settlement of all contractual and administrative issues arising out of procurements entered in support of contract services. TxDOT shall be responsible for the settlement of any dispute concerning this contract unless the dispute involves a subcontract.

Article 15. Records and Ownership

- A. The Local Government agrees to maintain all books, documents, papers, accounting records, and other evidence pertaining to costs at its office during the contract period and for four years from the date of final payment under the contract. These materials shall be made available for inspection and copying by TxDOT, by the State Auditor's Office, and by their authorized representatives. If the contract is federally funded, these materials shall also be made available for inspection and copying by the U.S. Department of Transportation and by the Office of the Inspector General.
- B. For all equipment purchased under this agreement, ownership shall be in accordance with federal regulations.
- C. The State Auditor may conduct an audit or investigation of any entity receiving funds from TxDOT directly under the contract or indirectly through a subcontract under the contract. Acceptance of funds directly under the contract or indirectly through a subcontract under this contract acts as acceptance of the authority of the State Auditor, under the direction of the legislative audit committee, to conduct an audit or investigation in connection with those funds. An entity that is the subject of an audit or investigation must provide the State Auditor with access to any information the State Auditor considers relevant to the investigation or audit.

Article 16. Reference to Costs Principles and Circulars

Reimbursement with state or federal funds will be limited to costs determined to be reasonable and allowable under cost principles established in OMB Circular A-21, "Cost Principles for Educational Institutions," or OMB Circular A-87, "Cost Principles for State and Local Governments." The parties shall comply with the requirements of the Single Audit Act of 1984, P.L. 98-502, ensuring that the single audit report includes the coverage stipulated in OMB Circular A-133.

Article 17. Equal Employment Opportunity

The Local Government agrees to comply with Executive Order 11246, entitled "Equal Employment Opportunity," as amended by Executive Order 11375 and as supplemented by Department of Labor regulations, 41 CFR Part 60. The Local Government agrees to consider minority universities for subcontracts when the opportunity exists. The Local Government warrants that it has developed and has on file appropriate affirmative action programs as required by applicable rules and regulations of the Secretary of Labor.

Article 18. Nondiscrimination

- A. The Local Government shall comply with the regulations of the U.S. Department of Transportation relating to nondiscrimination in federally-assisted programs, including 49 CFR, Part 21; 23 CFR, Subchapter C; and 41 CFR, Part 60-74 (the Regulations).
- B. The Local Government, with regard to the work performed during this agreement, shall not discriminate on the basis of race, color, sex, national origin, age, religion, or disability in the selection and retention of subcontractors, including procurements of materials and leases of equipment.
- C. In all solicitations either by competitive bidding or negotiation made by the Local Government for work to be performed under a subcontract, including procurements of materials and leases of equipment, but not including routine purchase orders, each potential subcontractor or supplier

shall be notified by the Local Government of the Local Government's obligations under this agreement and the Regulations.

- D. The Local Government shall provide all information and reports required by the Regulations and directives issued under the Regulations and shall permit access to its books, records, accounts, other sources of information, and facilities as may be determined by the Texas Department of Transportation or the U.S. Department of Transportation to be pertinent to ascertain compliance with the Regulations or directives. If any information required of the Local Government is in the exclusive possession of another who fails or refuses to furnish this information, the Local Government shall so certify to the Texas Department of Transportation or the U.S. Department of Transportation, whichever is appropriate, and shall set forth what efforts the Local Government has made to obtain the requested information.
- E. In the event of the Local Government's noncompliance with the nondiscrimination provision of this agreement, the Texas Department of Transportation shall impose such sanctions as it or the U.S. Department of Transportation may determine to be appropriate.
- F. The Local Government shall include the provisions of paragraphs A through E in every subcontract, including procurements of materials and leases of equipment, except routine purchase orders, unless exempt by the Regulations or directives. The Local Government shall take such lawful action with respect to any subcontract or procurement as the Texas Department of Transportation may direct as a means of enforcing these provisions, including sanctions for noncompliance. In the event the Local Government becomes involved in or is threatened with litigation with a subcontractor or supplier as a result of directions given by TxDOT, the Local Government may request the Texas Department of Transportation to enter into the litigation to protect the interests of the State. In addition, the Local Government may request the United States to enter into litigation to protect the interests of the United States.

Article 19. Compliance with Laws

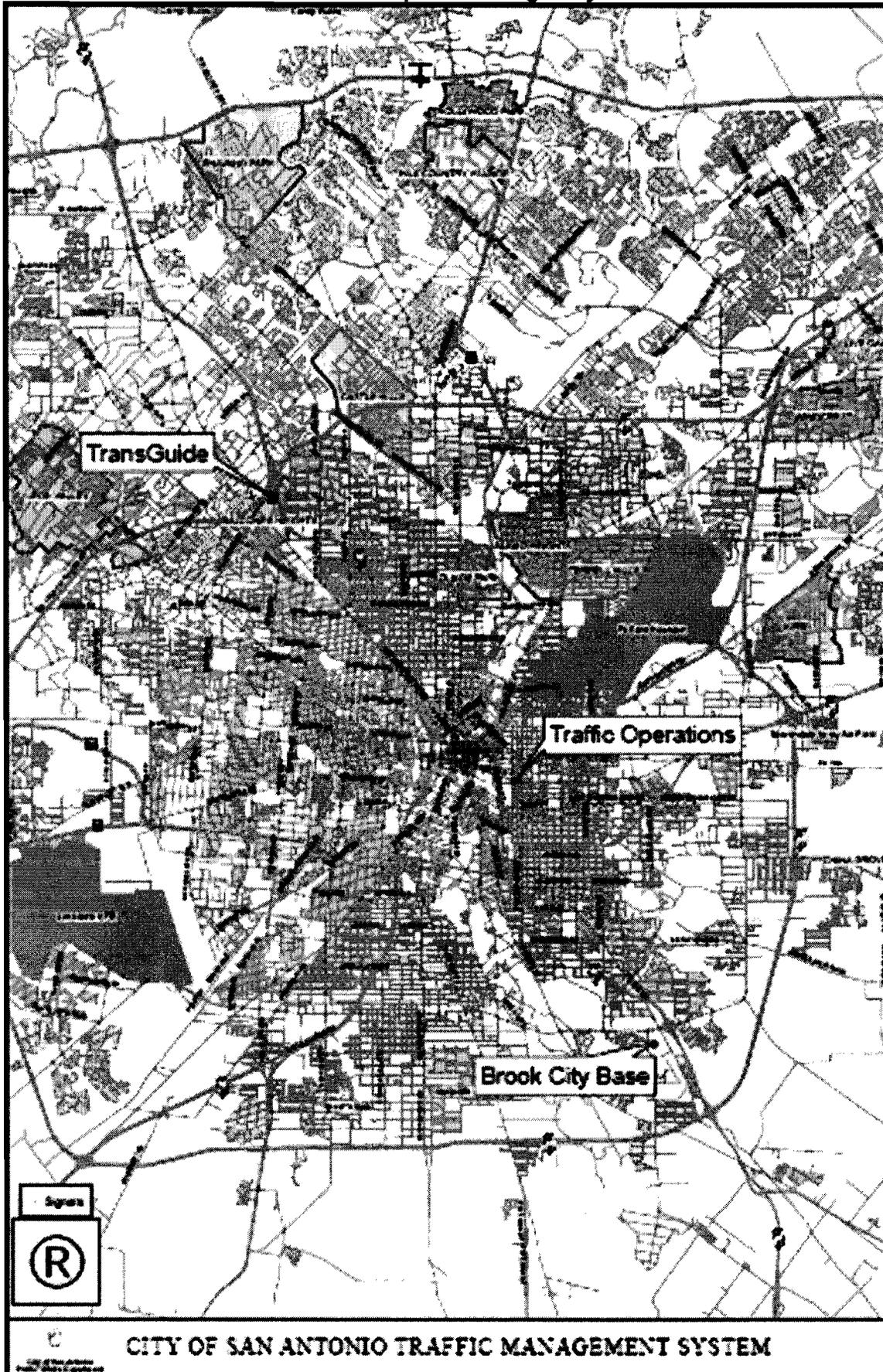
The parties shall comply with all federal, state, and local laws, statutes, ordinances, rules, and regulations and with the orders and decrees of any courts or administrative bodies or tribunals in any manner affecting the performance of this agreement. After receiving a written request from TxDOT, the Local Government shall furnish TxDOT with satisfactory proof of its compliance with this Article.

Article 20. Signatory Warranty

Each signatory warrants that the signatory has necessary authority to execute this agreement on behalf of the entity represented.

ATTACHMENT E

Location Maps Showing Project



Budget

The Local Government will participate in the cost of the system plan, design and integration, as well as acceptance testing and evaluation. Based on the City's need for this project, the Local Government's participation is 50% of the cost of this particular improvement and the other 50% will be paid for with federal funds. The Local Government's estimated participation of this work is \$172,316.00, including engineering and contingencies. The project estimate is as follows:

Activity Item	Total Estimated Cost		FHWA Funds		State Funds		Other Funds	
	\$344,632 is eligible for "participation"	% of participating total ↓	\$172,316 awarded	% of item total ←	TxDOT	% of item total ←	City of San Antonio	% of item total ←
System Integration Plan	\$157,000.00	I 46%	\$78,500	50%	\$0	0%	\$78,500	50%
System Integration Design	\$58,000.00	I 17%	\$29,000	50%	\$0	0%	\$29,000	50%
Communications System Infrastructure Deployment	\$100,000.00	D 29%	\$50,000	50%	\$0	0%	\$50,000	50%
Communications System Integration	\$18,000.00	I 5%	\$9,000	50%	\$0	0%	\$9,000	50%
Acceptance Testing	\$4,000.00	I 1%	\$2,000	50%	\$0	0%	\$2,000	50%
Evaluation	\$7,632.00	I 2%	\$3,816	50%	\$0	0%	\$3,816	50%
TOTAL	\$344,632	100%	\$172,316	50%	\$0	0%	\$172,316	50%

D=Deployment (30% maximum of participating funds); I=Integration (70% minimum); X=not eligible for participation.

Direct State Cost will be based on actual charges.

Local Government's Participation (50%) = \$172,316.00

This is an estimate only; final participation amounts will be based on actual charges to the project. However, Federal participation is capped at \$172,316.00.

