

Texas Department of Transportation
TECHNICAL PROVISIONS

STATE HIGHWAY 71 TOLL LANES

Attachment 5-1

Municipal Maintenance Agreement
Operations and Maintenance of Traffic Signals
Execution Version

File
Co A
Agreements

Contract No. _____

AGREEMENT FOR THE
INSTALLATION AND REIMBURSEMENT FOR THE
OPERATION AND MAINTENANCE OF
TRAFFIC SIGNALS WITHIN A MUNICIPALITY

STATE OF TEXAS §
COUNTY OF TRAVIS §

This AGREEMENT made by and through the State of Texas acting by and through the Texas Department of Transportation, hereinafter called the "State" and the City of Austin, hereinafter called the "City," acting by and through its duly authorized officers, as evidenced by Resolution/Ordinance No. _____, executed on _____, hereinafter acknowledged by reference.

W I T N E S S E T H

WHEREAS, by virtue of a Municipal Maintenance Agreement entered into by the City and the State on the _____ day of _____, 19____, the State has been authorized to maintain certain highway routes within the City; and

WHEREAS, from time to time the City requests the State to install traffic signals on certain highways within the City; and

WHEREAS, in accordance with Texas Administrative Code: Title 43 Texas Administrative Code Section 25.5, on the 27th day of May, 1987, the State Highway and Public Transportation Commission now the Texas Transportation Commission passed Commission Minute Order No. 85777, authorizing the State to install, operate and maintain traffic signals on: (a) highway routes not designated as full control of access inside the corporate limits of cities, having a population less than 50,000

(latest Federal Census); and (b) highways designated as full control of access in all cities; and

WHEREAS, the City has a population of (over/less) than 50,000 population according to the latest Federal Census; and

WHEREAS, the City requests the State to assume the installation, operation and maintenance responsibilities of the signalized intersections as shown in EXHIBIT 1, attached hereto and made a part of this Agreement; and

WHEREAS, the City agrees to maintain and operate the signalized intersections with the State reimbursing the City for all maintenance and operations costs at a flat rate per location as shown on EXHIBIT 3.

NOW, therefore, in consideration of the premises and of the mutual covenants and agreements of the parties hereto to be by them respectively kept and performed, as hereinafter set forth, it is agreed as follows:

A G R E E M E N T

Article 1. Contract Period

This Agreement becomes effective when fully executed by the City and the State and shall remain in force for a period of one year from the date of final execution by the State and shall be automatically renewed annually for a one year period, unless modified by mutual agreement of both parties, or terminated as hereinafter provided.

Article 2. Construction Responsibilities

A. The State shall prepare or cause to be prepared the plans and specifications, advertise for bids, let the construction contract, or otherwise provide for the construction of new traffic signals and/or reconstruction of existing traffic signals (including, at the State's

option, any special auxiliary equipment, interconnect and/or communication material and equipment), and will supervise construction, reconstruction or betterment work as required by said plans and specifications. As a project is developed to construction stage, either as a unit or in increments, the State will submit plans and specifications of the proposed work to the City and will secure the City's consent to construct the traffic signal prior to awarding the contract; said City consent to be signified by the signatures of duly authorized City officers in the spaces provided on the title sheet of plans containing the following notation:

"Attachment No. _____ to special Agreement for construction, maintenance and operation of traffic signals within municipality, dated _____."

The City-State construction, maintenance and operation responsibilities shall be as heretofore agreed to, accepted, and specified in the Agreement to which these plans are made a part."

B. All costs of construction and/or reconstruction of new and existing traffic signals will be borne by the State, and the traffic signal system will remain the property of the State.

Article 3. Maintenance, Operation, and Power Responsibilities

A. The State shall be responsible for all electrical power costs for the operation of the traffic signals covered by this Agreement and shown on EXHIBIT 1. Power costs shall be billed as specified in EXHIBIT 2, "Traffic Signal Maintenance and Operations Provisions," attached hereto and made a part of this Agreement.

B. The City will provide a trained staff to maintain and operate the traffic signals shown on EXHIBIT 1, and the State will reimburse the

City at the flat rate shown in EXHIBIT 3 for parts and labor. All repairs shall be prioritized based on public safety and made as soon as possible.

C. The City shall maintain and operate the traffic signals in accordance with the minimum requirements specified in EXHIBIT 2.

D. The City shall maintain at least one log of all emergency calls and all routine maintenance.

E. Routine maintenance will be performed by the city as specified in EXHIBIT 2.

Article 4. Compensation

A. The maximum amount payable under this Agreement is \$ _____ per year.

B. Calculations for the above lump sum amount shall be shown in EXHIBIT 3, attached hereto and made a part of this Agreement for maintaining and operating the traffic signal installations covered under this Agreement.

C. The addition or deletion of traffic signals shall be made by supplemental agreement.

Article 5. Payment

A. The State agrees to reimburse the City at the flat rate shown in EXHIBIT 3 for maintenance and operation costs for the traffic signals described in EXHIBIT 1. The City shall submit to the State Form 132, "Billing Statement," or an invoice statement acceptable to the State on a (monthly/quarterly/annual basis). An original Form 132 or acceptable invoice and four copies shall be submitted to the following address:

B. The City shall maintain a system of records necessary to support and establish the eligibility of all claims for payment under the terms of this Agreement. These records may be reviewed at any time to substantiate the payment by the State and/or determine the need for an adjustment in the amount paid by the State.

C. The State shall make payment to the City within 30 days from receipt of the City's request for payment, provided that the request is properly prepared.

D. Knockdowns or damage resulting from accident or act of God and requiring emergency replacement of major equipment shall not be included in the (monthly/ quarterly/annual) payments. For eligibility of payment for emergency replacement of major equipment, actual cost shall be submitted to the State for review and determination of reimbursement eligibility.

E. Payment for the addition or deletion of a traffic signal installation shall be made by supplemental agreement.

Article 6. Indemnification

To the extent permitted by law, the City shall indemnify and save harmless the State, its agents or employees, from all suits, actions or claims and from all liability and damages for any and all injuries or damages sustained by any person or property in consequence of any neglect in the performance, or failure of performance by the City, its agents, officers and employees, under this Agreement.

Article 7. Termination

A. This Agreement may be terminated by any of the following conditions:

- (1) By mutual agreement and consent of both parties.

- (2) By the State upon thirty (30) days written notice to the City for failure of the City to provide adequate maintenance and operation services for those traffic signal installations which the City has agreed to maintain and operate.
- (3) By the State upon sixty (60) days written notice to the City that the State will assume operation and maintenance at the end of the one (1) year period of this contract.
- (4) By the City upon one hundred twenty (120) days written notice to the State.

B. In the event this Agreement is terminated by any of the above conditions, the maintenance and operation of the traffic signal systems shall become the responsibility of the State. Any State owned equipment being held by the City shall be promptly returned within 30 calendar days to the State upon termination of this Agreement.

Article 8. Subletting

The City shall not sublet or transfer any portion of the work under this Agreement unless specifically approved in writing by the State. All subcontracts shall include the provisions required in this contract and shall be approved in writing by the State.

Article 9. Amendments

Changes in the character, costs, provisions in the attached exhibits, responsibilities or obligations authorized herein shall be enacted by written amendment. Any amendment to this Agreement must be executed by both parties.

Article 10. Successors and Assigns

The State and the City bind themselves, successors, assigns and legal representatives to the other party to this Agreement and the successors,

assigns and legal representatives of such other party to all covenants and provisions provided herein. Furthermore, the City shall not assign, sublet or transfer any interests in this Agreement without the written consent of the State.

Article 11. Legal Construction

In case any one or more of the provisions contained in this Agreement shall for any reason, be held to be invalid, illegal, or unenforceable in any respect, such invalidity, illegality, or unenforceability shall not affect any other provision thereof and this Agreement shall be construed as if such invalid, illegal, or unenforceable provision had never been contained herein.

Article 12. Prior Agreements Superseded

This Agreement constitutes the sole and only agreement of the parties hereto and supersedes any prior understandings or written or oral agreements between the parties respecting the within subject matter.

Article 13. Gratuities

Texas Transportation Commission policy mandates that employees of the Department shall not accept any benefits, gifts or favors from any person doing business or who reasonably speaking may do business with the State under this contract. The only exceptions allowed are ordinary business lunches and items that have received the advanced written approval of the Texas Department of Transportation Executive Director. Any person doing business with or who reasonably speaking do business with the State under this contract may not make any offer of benefits, gifts or favors to Departmental employees, except as mentioned hereabove. Failure on the part of the City to adhere to this policy may result in the termination of this contract.

IN WITNESS WHEREOF, the parties have executed duplicate counterparts to effectuate this Agreement.

The City of: Austin

By: Matthew Kite
(Name)

Assistant Director
(Title)

9-13-96
(Date)

ATTEST:

City Secretary

THE STATE OF TEXAS

Certified as being executed for the purpose and affect of activating and/or carrying out the orders, established policies, or work programs heretofore approved and authorized by the Texas Transportation Commission under the authority of Minute Order 100002.

By: William C. Farbode
District Engineer

Date: 9-25-96

EXHIBIT 1

Signalized intersections on State Highways located within the City of Austin

Location	Type of Signal
Braker at IH 35	1
Parmer (FM 734) at IH 35	1
Wells Branch at IH 35	1
William Canon at IH 35	2
Stassney at IH 35	1
Ben White at IH 35	2
Oltorf at IH 35	2
Woodward at IH 35	1
Riverside at IH 35	2
1st Street at IH 35	2
6th Street at IH 35	2
7th Street at IH 35	2
8th Street at IH 35	2
11th Street at IH 35	2
12th Street at IH 35	1
M.L.K. at IH 35	2
32nd Street at IH 35	1
38th $\frac{1}{2}$ Street at IH 35	1
Airport at IH 35	2
51st Street at IH 35	2
US 290 at IH 35	4
St. Johns at IH 35	1
Rundberg at IH 35	1
Loop 1 at FM 734	1
Loop 1 at Burnet Road/Duval	1
Loop 1 at Braker Lane	1
Loop 1 at Capitol of Texas Hwy.	1
Loop 1 at Steck	1
Loop 1 at Anderson	1

EXHIBIT 1

Signalized intersections on State Highways located within the City of Austin

Location	Type of Signal
Loop 1 at Far West	1
Loop 1 at RM 2222	1
Loop 1 at 45th Street	1
Loop 1 at 38th Street	1
Loop 1 at Windsor	1
Loop 1 at Enfield	1
Loop 1 at Lake Austin Blvd.	1
Loop 1 at RM 2244	1
Loop 1 at Barton Skyway	1
Loop 1 at William Cannon	1
Loop 1 at Slaughter	1
US 183 at Burnet Rd.	1
US 183 at Loop 360	1
US183 at Great Hills Trail	1
US 183 at Braker Lane	1
US 183 at Balcones Woods	1
US 183 at Springdale	1
US 290 at Cameron Road	1
US 290 at Berkman Drive	1
US 290 at US 183	1
US 290 at Airport Blvd.	1

EXHIBIT 2

TRAFFIC SIGNAL MAINTENANCE AND OPERATION PROVISIONS

The maintaining and operating city agrees to:

1. Inspect the highway traffic signal system a minimum of once every six months and replace burned out lamps or damaged sockets as may be required. The reflector and lens should be cleaned each time a lamp is replaced. All replacement lamps shall equal the wattage and type of the existing lamp.
2. Keep signal posts, controller pedestals, and foundations in alignment.
3. Keep signal posts and controller pedestals tight on foundation.
4. Keep signal heads aligned and controller cabinets tight on their pedestals and properly adjusted.
5. Time settings should be compared to master time sheet every 6 months. Controller, detectors and auxiliary equipment should be dusted every 3 months. Detector sensors and loop amplifiers should be checked every 3 months. Relays should be checked every 12 months. Conflict monitors should be bench tested, not field tested, every 12 months. Conflict monitors should be exchanged with a bench tested working monitor while testing is going on.
6. Keep interior of controller cabinets in a neat and clean condition at all times.
7. Clean reflectors, lenses, and lamps a minimum of once every twelve months.
8. Repaint all highway traffic signal components exposed to weather with a non-lead based paint a minimum of once every two years. Plastic signal heads and galvanized and aluminum components are excluded.
9. Repair or replace any and all equipment that malfunctions or is damaged.

10. Provide alternate traffic control during a period of failure or when the controller must be repaired. This may be accomplished through installation of a spare controller, placing the intersection on flash, manually operating the controller, or manually directing traffic through the use of proper authorities. In addition, barricades and warning signs shall be provided in accordance with the requirements of the latest edition of the Texas Manual on Uniform Traffic Control Devices.
11. Provide maintenance personnel trained in the maintenance of traffic signal equipment who will be available to respond to emergency calls from authorized parties 24 hours a day, including Saturdays, Sundays and holidays.
12. Provide the State and local law enforcement agencies the location and respective names and telephone numbers of individuals responsible for emergency maintenance.
13. Document routine observations during the year by trained City personnel of traffic signal operation at each traffic signal during various times of the day to assure fair distribution of time for all traffic movements (phases) during varying traffic conditions.
14. Check cabinet filter a minimum of once every six months and clean if necessary. Cabinet filter shall be replaced every year.
15. Document all checks and corrective actions.

Power costs shall be billed directly to the State.

EXHIBIT 3

Actuated Signals at conventional intersections and at Tee intersections shall be reimbursed at N/A per intersection per year.

Calculations:

Fixed Time Signals shall be reimbursed at N/A per intersection per year.

Calculations:

Diamond Interchange Signals with one controller shall be reimbursed at \$1,729.08 per intersection per year.

Calculations: 37 Locations x \$1,729.08 = 63,975.96

Billed as \$144.09 per location, per month.

Diamond Interchange Signals with two or more controllers shall be reimbursed at \$1,899.96 per intersection per year.

Calculations: 13 Locations x \$1,899.96 = \$24,699.48

Billed as \$158.33 per location, per month.

Sign Mounted Flashers shall be reimbursed at N/A per unit per year.

Calculations:

Overhead Flashing Beacons shall be reimbursed at N/A per intersection per year.

Calculations:

EXHIBIT 1

Signalized Intersections on State Highways located with the City of Austin.

Location	Type of Signal
<u>IH 35</u>	
IH 35 at Braker	1
IH 35 at Parmer	1
IH 35 at William Cannon	1
IH 35 at Stassney	1
IH 35 at Ben White (US 290)(NorthSide)	1
IH 35 at Ben White (US 290)(South Side)	1
IH 35 at FM 1825 (Wells Branch Parkway)	1
IH 35 at Oltorf	2
IH 35 at Riverside	2
IH 35 at 1st Street	2
IH 35 at 6th Street	2
IH 35 at 7th Street	2
IH 35 at 8th Street	2
IH 35 at 11th Street	2
IH 35 at 12th Street	1
IH 35 at 15th Street	1
IH 35 at M.L.K.	2
IH 35 at 32nd Street	1
IH 35 at 38 1/2 Street	1
IH 35 at Airport Blvd	2
IH 35 at US 290 (East)	4
IH 35 at St Johns	1
IH 35 at Rundberg	1
IH 35 at Yager Ln/Tech Ridge Blvd	1
IH 35 at Slaughter Ln	1
IH 35 at Howard/Dessau	2
IH 35 at Woodland	1
IH 35 at Woodward St	1
IH 35 at Hancock	1
IH 35 at Holly St	1
IH 35 at Manor Rd	1
<u>LOOP 1</u>	
LP 1 at FM 734 (Parmer)	1
LP 1 at Burnet/Duval	1
LP 1 at Braker Ln	1
LP 1 at Capitol of Texas Hwy	1
LP 1 at Steck	1
LP 1 at Anderson Ln	1
LP 1 at Far West	1
LP 1 at RM 2222	1
LP 1 at 45th Street	1

EXHIBIT 1

Signalized Intersections on State Highways located with the City of Austin.

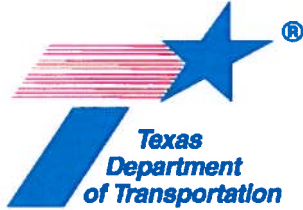
Location	Type of Signal
<u>LOOP 1 (Cont'd)</u>	
LP 1 at 38th Street	1
LP 1 at Windsor	1
LP 1 at Enfield	1
LP 1 at Lake Austin Blvd	1
LP 1 at Slaughter	1
LP 1 at Barton Skyway	1
LP 1 at William Cannon	1
LP 1 at Gracy Farms	1
LP 1 at Waters Park	1
LP 1 at LP 360 (East Frontage Rd)	1
LP 1 at LP 360 (West Frontage Rd)	1
LP 1 at US 290 West	1
LP 1 at US 290 East	1
LP 1 at Southwest Pkwy	1
LP 1 at La Crosse Ave	1
<u>US 183</u>	
US 183 at Burnet Rd	1
US 183 at Balconnes Woods	1
US 183 at Springdale Rd	1
US 183 at Lamar Blvd	2
US 183 at IH 35	1
US 183 at Oak Knoll	1
US 183 at Duval	1
US 183 at Georgian	1
US 183 at Anderson Square	1
US 183 at Fairfield	1
US 183 at Ohlen	1
US 183 at Braker Ln	1
US 183 at Great Hills Trail	1
US 183 at LP 360	1
US 183 at M.L.K. Blvd	1
US 183 at Anderson Mill	1
US 183 at Lakecreek	1
US 183 at McNeil Dr	1
US 183 at Pond Springs Rd	1
US 183 at SH45/RM 620	1
US 183 at Lakeline Blvd	1
US 183 at Lakeline Mall	1
US 183 at Pecan Park Blvd	1

EXHIBIT 1

Signalized Intersections on State Highways located with the City of Austin.

Location	Type of Signal
<u>US 290</u>	
US 290 at Cameron Rd	1
US 290 at Berkman Dr	1
US 290 at Airport Blvd	1
US 290 at Lamar	1
US 290 at Manchaca	1
US 290 at Pack Saddle	1
US 290 at Bannister	1
US 290 at South First Street	1
US 290 at Congress Ave	1
US 290 at Westgate	1
US 290 at Industrial Oaks/Monterey Oaks Blvd	1
US 290 (Ben White Blvd) at Woodward St	1
<u>US 290 at Old Fredericksburg Rd</u>	<u>1</u>
<u>SH 45</u>	
SH 45/RM 620 at N. Lake Creek Pkwy	1
SH 45/RM 620 at Pecan Park Blvd	1
<u>SH 71</u>	
SH 71 at Burleson Rd	1
SH 71 at Montopolis	1
SH 71 at Todd Ln	1
TOTALS	84/ 12

Indicates a signal location listed in attached revision



MEMORANDUM

TO: Greg A. Malatek, P.E.
Austin District Engineer

DATE: June 04, 2013

FROM: Jason L. Brecht, P.E.
Traffic Operations Section

SUBJECT: Signal Agreement Supplement with the City of Austin

Attached please find two signed originals of a supplemental agreement with the City of Austin by which modifications will be made to the original Reimbursement Agreement (TY R) as entered into between TxDOT and the City on September 25, 1996. Such an agreement provides reimbursement to the city for those traffic signals it maintains along controlled access highways within its jurisdiction.

The following intersection is added by this supplement:

US 290 at Old Fredericksburg Road

This is the current version of a standard TxDOT agreement, as developed by OGC for such a purpose, that we have not modified other than to fill in the blanks.

I therefore recommend the placement of your signature on these two attached originals. Then the final execution of this agreement shall be accomplished.

Thank you.

#7349



Austin Transportation Department

Office of the Director

505 Barton Springs Road, Suite 800
Austin, TX 78704
(512) 974-1150, Fax (512) 974-1171

T.X.D.O.T.
RECEIVED
JUN 01 2013
DISTRICT 14 - MAIL ROOM
AUSTIN, TX

May 29, 2013

Jason L. Brecht, P.E.
Traffic Engineer – South
Austin District Traffic Ops
Texas Department of Transportation
P.O. Box 15426
Austin, TX 78761-5426

T.X.D.O.T.
RECEIVED
JUN 03 2013
DISTRICT 14
TRANSPORTATION
OPERATIONS

Dear Mr. Brecht:

Enclosed you will find two partially executed copies of the Supplemental Agreement No. 17 (TY R) which adds US 290 at Old Fredericksburg Road to the list of State traffic signals that are maintained by the City on a reimbursed basis.

Contract No. 14-AU092596R

Please send me a fully executed original copy of the Amendment for our records. If you should have any questions or require further assistance, please do not hesitate to contact Brian Craig, Consulting Engineer with the Austin Transportation Department at (512) 974-4061 or email him at brian.craig@austintexas.gov.

Sincerely,

Gilda M. Powers
Executive Assistant
Office of the Director
Austin Transportation Department

Enclosures

STATE OF TEXAS §
COUNTY OF TRAVIS §

ORIGINAL

**SUPPLEMENTAL AGREEMENT NO. 17 TO
AGREEMENT FOR THE INSTALLATION AND REIMBURSEMENT
FOR THE OPERATION AND MAINTENANCE OF TRAFFIC SIGNALS
WITHIN A MUNICIPALITY**

WHEREAS, on the 25th day of September, 1996, an Agreement for the Installation and Reimbursement for the Operation and Maintenance of Traffic Signals within a Municipality was entered into by and between the Texas Department of Transportation hereinafter called the "State," and the City of Austin, hereinafter called the "City," and subsequently identified the agreement as Contract Number 14-AU092596R; and

WHEREAS, the parties to this agreement have mutually determined that it is necessary to amend the original agreement due to the following reason/reasons: Assumption of Maintenance of a Traffic Signal by the City.

NOW, THEREFORE, Contract No. 14-AU092596R is amended as follows:

EXHIBIT 1

EXHIBIT 1 is amended to add/delete the traffic signal(s) installation(s) at the intersection(s) of US 290 at Old Fredericksburg Rd. A copy of the revised EXHIBIT 1 is attached hereto and made a part of this agreement.

Article 4. Compensation

The maximum amount payable under this agreement is increased from \$166,313.16 to \$168,042.24 per year in accordance with the above changes. Calculations for the increase/decrease to the maximum amount payable are as follows:

AMOUNT OF THIS SUPPLEMENTAL AGREEMENT	\$ <u>1,729.08</u>
ORIGINAL MAXIMUM AMOUNT PAYABLE PER YEAR	\$ <u>88,675.60</u>
TOTAL PREVIOUS SUPPLEMENTAL AGREEMENTS	\$ <u>77,637.56</u>
REVISED MAXIMUM AMOUNT PAYABLE PER YEAR	\$ <u>168,042.24</u>

ARTICLE 5. Payment

The amount of this supplemental agreement shown above shall be a prorated amount based on the cost for the type of installation calculated on EXHIBIT 3 of the original agreement and any increases or decreases caused by any subsequent supplemental agreements. The (monthly/quarterly/annual) payment shall be adjusted accordingly.

All other terms or conditions are unchanged and remain in full force and effect.

IN TESTIMONY WHEREOF, the parties hereto have caused these presents to be executed in duplicate on the dates shown hereinbelow.

ORIGINAL

THE CITY OF AUSTIN

Executed on behalf of the City by:

By  Date 5/23/13

Typed or Printed Name and Title Robert Goode
Assistant City Manager

ATTEST:

By  Date 5/28/13
City Secretary

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 6/5/13
District Engineer

APPROVED AS TO FORM:

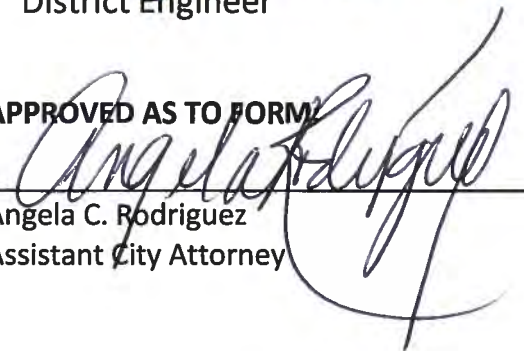

Angela C. Rodriguez
Assistant City Attorney

EXHIBIT 1

Signalized Intersections on State Highways located with the City of Austin.

Location	Type of Signal
<u>IH 35</u>	
IH 35 at Braker	1
IH 35 at Parmer	1
IH 35 at William Cannon	1
IH 35 at Stassney	1
IH 35 at Ben White (US 290)(NorthSide)	1
IH 35 at Ben White (US 290)(South Side)	1
IH 35 at FM 1825 (Wells Branch Parkway)	1
IH 35 at Oltorf	2
IH 35 at Riverside	2
IH 35 at 1st Street	2
IH 35 at 6th Street	2
IH 35 at 7th Street	2
IH 35 at 8th Street	2
IH 35 at 11th Street	2
IH 35 at 12th Street	1
IH 35 at 15th Street	1
IH 35 at M.L.K.	2
IH 35 at 32nd Street	1
IH 35 at 38 1/2 Street	1
IH 35 at Airport Blvd	2
IH 35 at US 290 (East)	4
IH 35 at St Johns	1
IH 35 at Rundberg	1
IH 35 at Yager Ln/Tech Ridge Blvd	1
IH 35 at Slaughter Ln	1
IH 35 at Howard/Dessau	2
IH 35 at Woodland	1
IH 35 at Woodward St	1
IH 35 at Hancock	1
IH 35 at Holly St	1
IH 35 at Manor Rd	1
<u>LOOP 1</u>	
LP 1 at FM 734 (Parmer)	1
LP 1 at Burnet/Duval	1
LP 1 at Braker Ln	1
LP 1 at Capitol of Texas Hwy	1
LP 1 at Steck	1
LP 1 at Anderson Ln	1
LP 1 at Far West	1
LP 1 at RM 2222	1
LP 1 at 45th Street	1

EXHIBIT 1

Signalized Intersections on State Highways located with the City of Austin.

Location	Type of Signal
<u>LOOP 1 (Cont'd)</u>	
LP 1 at 38th Street	1
LP 1 at Windsor	1
LP 1 at Enfield	1
LP 1 at Lake Austin Blvd	1
LP 1 at Slaughter	1
LP 1 at Barton Skyway	1
LP 1 at William Cannon	1
LP 1 at Gracy Farms	1
LP 1 at Waters Park	1
LP 1 at LP 360 (East Frontage Rd)	1
LP 1 at LP 360 (West Frontage Rd)	1
LP 1 at US 290 West	1
LP 1 at US 290 East	1
LP 1 at Southwest Pkwy	1
LP 1 at La Crosse Ave	1
<u>US 183</u>	
US 183 at Burnet Rd	1
US 183 at Balconnes Woods	1
US 183 at Springdale Rd	1
US 183 at Lamar Blvd	2
US 183 at IH 35	1
US 183 at Oak Knoll	1
US 183 at Duval	1
US 183 at Georgian	1
US 183 at Anderson Square	1
US 183 at Fairfield	1
US 183 at Ohlen	1
US 183 at Braker Ln	1
US 183 at Great Hills Trail	1
US 183 at LP 360	1
US 183 at M.L.K. Blvd	1
US 183 at Anderson Mill	1
US 183 at Lakecreek	1
US 183 at McNeil Dr	1
US 183 at Pond Springs Rd	1
US 183 at SH45/RM 620	1
US 183 at Lakeline Blvd	1
US 183 at Lakeline Mall	1
US 183 at Pecan Park Blvd	1

EXHIBIT 1

Signalized Intersections on State Highways located with the City of Austin.

Location	Type of Signal
<u>US 290</u>	
US 290 at Cameron Rd	1
US 290 at Berkman Dr	1
US 290 at Airport Blvd	1
US 290 at Lamar	1
US 290 at Manchaca	1
US 290 at Pack Saddle	1
US 290 at Bannister	1
US 290 at South First Street	1
US 290 at Congress Ave	1
US 290 at Westgate	1
US 290 at Industrial Oaks/Monterey Oaks Blvd	1
US 290 (Ben White Blvd) at Woodward St	1
<u>US 290 at Old Fredericksburg Rd</u>	<u>1</u>
<u>SH 45</u>	
SH 45/RM 620 at N. Lake Creek Pkwy	1
SH 45/RM 620 at Pecan Park Blvd	1
<u>SH 71</u>	
SH 71 at Burleson Rd	1
SH 71 at Montopolis	1
SH 71 at Todd Ln	1
TOTALS	84/ 12

Indicates a signal location listed in attached revision