



CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY

Regular Meeting of the Board of Directors

9:00 a.m.

Monday, April 25, 2022

Lowell H. Lebermann, Jr., Board Room
3300 N. IH-35, Suite 300
Austin, Texas 78705

*A live video stream of this meeting may be viewed on the internet at
www.mobilityauthority.com*

Note to members of the public. Pursuant to Texas Transportation Code Section 370.262, this meeting will be held by telephone conference call. Some Board Members may be present in the Lebermann Board Room while others may participate remotely. In order to maintain safe social distancing, you may view the Board Meeting online via the live stream link on our website. Members of the public that wish to join the conference call to provide comments to the Board remotely must register at least 30 minutes prior to the scheduled start time by contacting the Central Texas Regional Mobility Authority at (844) 287-6220.

Persons with disabilities. If you plan to attend this meeting and may need auxiliary aids or services, such as an interpreter for those who are deaf or hearing impaired, or if you are a reader of large print or Braille, please contact Laura Bohl at (512) 996-9778 at least two days before the meeting so that appropriate arrangements can be made.

Español. Si desea recibir asistencia gratuita para traducir esta información, llame al (512) 996-9778.

AGENDA

No action on the following:

1. Welcome and opportunity for public comment – See **Notes** at the end of this agenda.

Consent Agenda

*See **Notes** at the end of this agenda.*

2. Approve the minutes from the March 30, 2022 Regular Board Meeting.

3. Prohibit the operation of certain vehicles on Mobility Authority toll facilities pursuant to the Habitual Violator Program.
4. Approve financial institutions and qualified brokers authorized to provide investment services and engage in investment transactions with the Mobility Authority and reaffirm the CTRMA investment policy.

Regular Items

Items to discuss, consider, and take appropriate action.

5. Accept the financial statements for March 2022.
6. Discuss and consider approving a new loan agreement with Regions Capital Advantage, Inc. to refinance the current loan with Regions Commercial Equipment Finance, LLC related to the MoPac Improvement Project.
7. Discuss and consider designating maximum speed limits on 183 Toll and 45SW Toll and approving corresponding amendments to Mobility Authority Policy Code § 301.015.

Briefings and Reports

Items for briefing and discussion only. No action will be taken by the Board.

8. Quarterly Project Updates.
 - A. 183A Phase III Project
 - B. 183 North Mobility Project
9. Executive Director Report.
 - A. Agency performance metrics.
 - (i) Roadway performance
 - (ii) Call-Center performance
 - B. Barton Skyway Ramp Relief Project funding.

Executive Session

Under Chapter 551 of the Texas Government Code, the Board may recess into a closed meeting (an executive session) to deliberate any item on this agenda if the Chairman announces the item will be deliberated in executive session and identifies the section or sections of Chapter 551 that authorize meeting in executive session. A final action, decision, or vote on a matter deliberated in executive session will be made only after the Board reconvenes in an open meeting.

The Board may deliberate the following items in executive session if announced by the Chairman:

10. Discuss legal issues related to claims by or against the Mobility Authority; pending or contemplated litigation and any related settlement offers; or other matters as authorized by §551.071 (Consultation with Attorney).
11. Discuss legal issues relating to procurement and financing of Mobility Authority transportation projects and toll system improvements, as authorized by §551.071 (Consultation with Attorney).
12. Discuss personnel matters as authorized by §551.074 (Personnel Matters).

Reconvene in Open Session.

Regular Items

Items to discuss, consider, and take appropriate action.

13. Adjourn Meeting.

Notes

Opportunity for Public Comment. At the beginning of the meeting, the Board provides a period of up to one hour for public comment on any matter subject to the Mobility Authority's jurisdiction. Each speaker is allowed a maximum of three minutes. A person who wishes to address the Board must register in advance and provide the speaker's name, address, phone number and email, as well as the agenda item number and whether you wish to speak during the public comment period or during the agenda item. If a speaker's topic is not listed on this agenda, the Board may not deliberate the speaker's topic or question the speaker during the open comment period, but may direct staff to investigate the matter or propose that an item be placed on a subsequent agenda for deliberation and possible action by the Board. The Board may not deliberate or act on an item that is not listed on this agenda.

Consent Agenda. The Consent Agenda includes routine or recurring items for Board action with a single vote. The Chairman or any Board Member may defer action on a Consent Agenda item for discussion and consideration by the Board with the other Regular Items.

Public Comment on Agenda Items. A member of the public may offer comments on a specific agenda item in open session if he or she signs the speaker registration sheet for that item before the Board takes up consideration of the item. The Chairman may limit the amount of time allowed for each speaker. Public comment unrelated to a specific agenda item must be offered during the open comment period.

Meeting Procedures. The order and numbering of agenda items is for ease of reference only. After the meeting is convened, the Chairman may rearrange the order in which agenda items are considered, and the Board may consider items on the agenda in any order or at any time during the meeting.

Participation by Telephone Conference Call. One or more members of the Board of Directors may participate in this meeting through a telephone conference call, as authorized by Sec. 370.262, Texas Transportation Code (*see below*). Under that law, each part of the telephone conference call meeting that by law must be open to the public, shall be audible to the public at the meeting location, and will be tape-recorded or documented by written minutes. On conclusion of the meeting, the tape recording or the written minutes of the meeting will be made available to the public.

Sec. 370.262. MEETINGS BY TELEPHONE CONFERENCE CALL.

(a) Chapter 551, Government Code, does not prohibit any open or closed meeting of the board, a committee of the board, or the staff, or any combination of the board or staff, from being held by telephone conference call. The board may hold an open or closed meeting by

Mobility Authority Board Meeting Agenda
Monday, April 25, 2022

telephone conference call subject to the requirements of Sections 551.125(c)-(f), Government Code, but is not subject to the requirements of Subsection (b) of that section.

(b) A telephone conference call meeting is subject to the notice requirements applicable to other meetings.

(c) Notice of a telephone conference call meeting that by law must be open to the public must specify the location of the meeting. The location must be a conference room of the authority or other facility in a county of the authority that is accessible to the public.

(d) Each part of the telephone conference call meeting that by law must be open to the public shall be audible to the public at the location specified in the notice and shall be tape-recorded or documented by written minutes. On conclusion of the meeting, the tape recording or the written minutes of the meeting shall be made available to the public.

Sec. 551.125. OTHER GOVERNMENTAL BODY. (a) Except as otherwise provided by this subchapter, this chapter does not prohibit a governmental body from holding an open or closed meeting by telephone conference call.

~~(b) A meeting held by telephone conference call may be held only if:~~

~~(1) an emergency or public necessity exists within the meaning of Section 551.045 of this chapter; and~~

~~(2) the convening at one location of a quorum of the governmental body is difficult or impossible; or~~

~~(3) the meeting is held by an advisory board.~~

(c) The telephone conference call meeting is subject to the notice requirements applicable to other meetings.

(d) The notice of the telephone conference call meeting must specify as the location of the meeting the location where meetings of the governmental body are usually held.

(e) Each part of the telephone conference call meeting that is required to be open to the public shall be audible to the public at the location specified in the notice of the meeting as the location of the meeting and shall be tape-recorded. The tape recording shall be made available to the public.

(f) The location designated in the notice as the location of the meeting shall provide two-way communication during the entire telephone conference call meeting and the identification of each party to the telephone conference shall be clearly stated prior to speaking.



CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY

April 25, 2022
AGENDA ITEM #1

Welcome and opportunity for public
comment

Welcome and opportunity for public comment.
No Board action required.



CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY

April 25, 2022
AGENDA ITEM #2

Approve the minutes from the April
25, 2022 Regular Board Meeting

Strategic Plan Relevance: Regional Mobility
Department: Legal
Contact: Geoff Petrov, General Counsel
Associated Costs: N/A
Funding Source: N/A
Action Requested: Consider and act on motion to approve minutes

Description/Background: Approve the attached draft minutes for the March 30, 2022, Regular Board Meeting.

Backup provided: Draft minutes

MINUTES

Regular Meeting of the Board of

Directors of the

CENTRAL TEXAS REGIONAL MOBILITY AUTHORITY

Wednesday, March 30, 2022

9:00 a.m.

This was an in person and telephone conference call meeting. Notice of the meeting was posted March 25, 2022 online on the website of the Mobility Authority and in the Mobility Authority's office lobby at 3300 N. Interstate 35, #300, Austin, Texas 78705-1849. Chairman Jenkins and Board Members David Singleton, Heather Gaddes*/**, Mike Doss, Nikelle Meade**, and Jay Blazek Crossley were present in the Lebermann Board Room. Board Member David Armbrust participated on the telephone conference call.

An archived copy of the live-streamed audio of this meeting is available at:

<https://mobilityauthority.swagit.com/play/03302022-671>

After noting that a quorum of the Board was present, Chairman Jenkins called the meeting to order at 9:03 a.m. and had each Board Member who called in state their name for the record and confirm that they could both hear and be heard by all other attendees that were present in-person or on the phone.

*Note: Heather Gaddes arrived at the dais at 9:04 a.m.

1. Welcome and opportunity for public comment.

JB Kendrick, President, Kapsch TrafficComm North America addressed the board.

Consent Agenda

2. Approve the minutes from the February 23, 2022 Regular Board Meeting and March 4-5, 2022 Board Workshop.
3. Prohibit the operation of certain vehicles on Mobility Authority toll facilities pursuant to the Habitual Violator Program.

ADOPTED AS: RESOLUTION NO. 22-011

4. Approve a contract with Gratiot Construction, Ltd. for roadway maintenance and safety enhancements on 183A Toll.

ADOPTED AS: RESOLUTION NO. 22-012

5. Amend the FY 2022 Operating Budget to fund the renewal and replacement of the 71 Toll System.

ADOPTED AS: RESOLUTION NO. 22-013

MOTION: Approve Item Nos. 2 thru 5.
RESULT: Approved (Unanimous); 7-0
MOTION: Mike Doss
SECONDED BY: David Singleton
AYE: Armbrust, Crossley, Doss, Gaddes, Jenkins, Meade, Singleton
NAY: None.

Audit Committee Meeting

David Singleton, Chairman of the Audit Committee called the Audit Committee Meeting to order at 9:06 a.m.

6. Audit Committee Meeting

- A. Audit Committee meeting called to order by Committee Chairman Singleton.

Mary Temple, Controller introduced the auditors, Joel Perez, RSM US LLC and Tino Robledo, RSM US LLC who provided a presentation.

- B. Authorize the engagement of RSM US, LLP to provide independent auditing services.

MOTION: Authorize the engagement of a firm to provide independent auditing services.
RESULT: Approved (Unanimous); 7-0
MOTION: Mike Doss
SECONDED BY: Heather Gaddes
AYE: Armbrust, Crossley, Doss, Gaddes, Jenkins, Meade, Singleton
NAY: None.

ADOPTED AS: RESOLUTION NO. 22-014

C. Adjourn Audit Committee.

David Singleton adjourned the Audit Committee Meeting and Chairman Jenkins reconvened the Board Meeting in open session at 9:18 a.m.

Regular Items

7. Accept the financial statements for February 2022.

Presentation by Jose Hernandez, Chief Financial Officer and Mary Temple, Controller and Tracie Brown, Director of Operations answered questions.

MOTION:	Accept the financial statements for February 2022.
RESULT:	Approved (Unanimous); 7-0
MOTION:	Nikelle Meade
SECONDED BY:	Heather Gaddes
AYE:	Armbrust, Crossley, Doss, Gaddes, Jenkins, Meade, Singleton
NAY:	None.

ADOPTED AS: RESOLUTION NO. 22-015

Briefings and Reports

8. Executive Director Report.

Presentation by James Bass, Executive Director.

A. Agency performance metrics.

- (i) Roadway performance
- (ii) Call Center performance

Tracie Brown, Director of Operations answered questions.

B. FY2023 budget process.

C. MoPac South Environmental Study Overview.

Mike Sexton, P.E., Acting Director of Engineering answered questions.

D. Update on DBi Services LLC default.

Executive Session

Chairman Jenkins announced in open session at 11:04 a.m. that the Board would recess the meeting and reconvene in Executive Session to deliberate the following items:

9. Discuss the sale, transfer or exchange of one or more parcels or interests in real property owned by the Mobility Authority and related legal issues as authorized by §551.071 (Consultation with Attorney) and §551.072 (Deliberation Regarding Real Property; Closed Meeting).
10. Discuss legal issues related to claims by or against the Mobility Authority; pending or contemplated litigation and any related settlement offers; or other matters as authorized by §551.071 (Consultation with Attorney).
11. Discuss legal issues relating to procurement and financing of Mobility Authority transportation projects, as authorized by §551.071 (Consultation with Attorney).
12. Discuss personnel matters as authorized by §551.074 (Personnel Matters).

After completing the executive session, the Board reconvened in open meeting at 12:07 p.m.

**Note: Heather Gaddes and Nikelle Meade were not present following the Executive Session.

Regular Items

13. Discuss and consider approving a settlement with Kapsch TrafficCom USA, Inc. for liquidated damages related to toll system maintenance key performance indicators.

Presentation by James Bass, Executive Director.

MOTION:	Approve a settlement with Kapsch TrafficCom USA, Inc. for liquidated damages related to toll system maintenance key performance indicators.
RESULT:	Approved; 4-1
MOTION:	Jay Blazek Crossley
SECONDED BY:	Mike Doss
AYE:	Armbrust, Crossley, Doss, Jenkins
NAY:	Singleton
ADOPTED AS:	RESOLUTION NO. 22-016

- 14.** Discuss and consider authorizing the Executive Director to hire outside counsel to assist with claims on the 183 South Project.

Presentation by James Bass, Executive Director.

MOTION: Authorize the Executive Director to hire outside counsel to assist with claims on the 183 South Project.

RESULT: Approved (Unanimous); 5-0

MOTION: David Singleton

SECONDED BY: Mike Doss

AYE: Armbrust, Crossley, Doss, Jenkins, Singleton

NAY: None.

ADOPTED AS: **RESOLUTION NO. 22-017**

After confirming that no member of the public wished to address the Board, Chairman Jenkins declared the meeting adjourned at 12:09 p.m.

- 15.** Adjourn.



CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY

April 25, 2022
AGENDA ITEM #3

Prohibit the operation of certain
vehicles on Mobility Authority toll
facilities pursuant to the Habitual
Violator Program

Strategic Plan Relevance:	Regional Mobility
Department:	Operations
Contact:	Tracie Brown, Director of Operations
Associated Costs:	N/A
Funding Source:	N/A
Action Requested:	Consider and act on draft resolution

Project Description/Background: The Mobility Authority's habitual violator process prescribes two notices before habitual violator remedies go into effect. A pre-determination letter is sent 60 days before any remedies are enforced advising the customer again of their outstanding balance and providing an opportunity for resolution. Assuming no resolution, a *Notice of Determination* is mailed notifying the customer they've been determined to be a habitual violator and advising of the consequences. The customer is also informed of their right to appeal the decision and the process by which to do so.

If the customer does not contact the Authority to appeal the habitual violator determination or resolve their outstanding balance, a block is placed on the related vehicle's registration preventing renewal. The block remains in effect until all tolls and fees have been paid, a payment plan has been arranged with the Mobility Authority or the customer is determined to no longer be a habitual violator.

Previous Actions & Brief History of the Program/Project: State law provides that persons deemed to be habitual violators may also be prohibited from use of the Mobility Authority's toll facilities by order of the Board of Directors. Habitual violator customers operating a vehicle in violation of a ban are subject to a Class C misdemeanor with a fine up to \$500. A second or subsequent occurrence may result in impoundment of the vehicle. Similar to registration blocks, vehicle bans remain in effect until all

outstanding amounts owed to the Authority have been resolved or the customer is no longer deemed a habitual violator.

Financing: Not applicable.

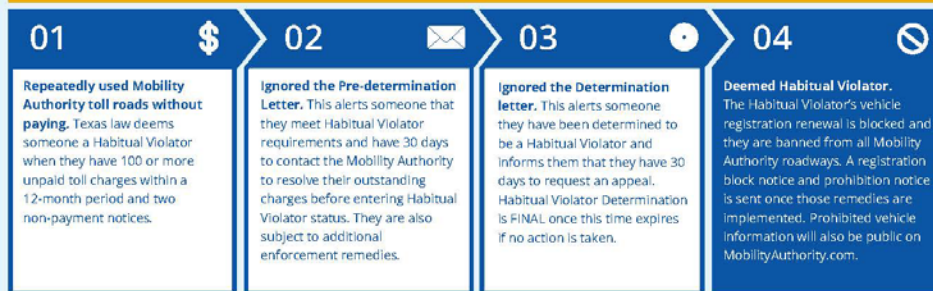
Action requested/Staff Recommendation: Staff affirms that all required steps have been followed and proper notice previously provided to customers determined to be habitual violators. To date, these customers have not appealed this determination or resolved their outstanding balances.

Therefore, staff recommends that the Board of Directors approve the order prohibiting certain vehicles from use of the Authority's toll facilities. Following the Board's approval of this order, a Notice of Prohibition will be mailed by first class mail advising of the ban, consequences if the ban is violated and how the customer may resolve their outstanding balance.

Backup provided: Habitual Violator Vehicle Ban FAQs
Draft Resolution



Habitual Violator Process



Who is a Habitual Violator?

A Habitual Violator is defined in Section 372.106(a) of the Texas Transportation Code as (A) one who was issued at least two written notices of nonpayment that contained in aggregate 100 or more events of nonpayment within a period of one year and, (B) was issued a warning that failure to pay the amounts specified in the notices may result in the toll project entity's exercise of Habitual Violator remedies.

What enforcement remedies is the Mobility Authority implementing for Habitual Violators?

To encourage equitable payment by all customers, legislation allows for enforcement remedies up to and including vehicle registration renewal blocks, prohibiting Habitual Violator's vehicles on Mobility Authority roadways, on-road enforcement of the vehicle ban, as well as posting names to the agency website of those Habitual Violators with banned vehicles. The Mobility Authority will be implementing these remedies beginning November 2019.

How will I know I'm a Habitual Violator subject to enforcement remedies?

Habitual Violators are provided due process protections prior to any enforcement action.

- A registered vehicle owner who the Mobility Authority determines meets the Habitual Violator status is sent a letter advising them that Habitual Violator remedies may be implemented if the customer's outstanding balance is not resolved. This letter is not required by law but is sent as a courtesy to reflect the Mobility Authority's commitment to the customer.
- A registered vehicle owner who the Mobility Authority determines to be a Habitual Violator receives written notice of that determination and an opportunity for a justice of the peace hearing to challenge their Habitual Violator status.
- Habitual Violator Determination is FINAL if no action is taken, prompt in the Mobility Authority to send a Vehicle Registration Block Notice and/or a Vehicle Ban Notice. These notices urge the Habitual Violator yet again to resolve their toll debt with the Mobility Authority.
- Sufficient time is provided to respond to all notifications.

Learn more about the Habitual Violator Enforcement Program at MobilityAuthority.com



How can I resolve my Habitual Violator status and settle my toll bill balance?

You can pay outstanding tolls and administrative fees with cash, money order or credit card (a payment plan may be available) by: calling the Mobility Authority Customer Service Center at 512-410-0562, online at www.paymobilitybill.com, or in person at our walk-up center.

Why is the Mobility Authority pursuing enforcement remedies?

The vehicle registration block and other toll enforcement actions are intended to encourage tollway drivers to pay for services rendered to ensure fairness to the overwhelming majority of drivers who pay for the service, maintenance and safety of the toll roads.

How will a person be notified that he or she is subject to enforcement remedies?

A notification letter announcing that a person has met the criteria of Habitual Violator is sent to the address in the Texas Department of Motor Vehicles (TTC 372.106) database, allowing 30 days to contact to dispute their determination as a Habitual Violator or address the account balance before remedies are applied. If the Habitual Violator does not make arrangements with the Mobility Authority during this period, they will be subject to all enforcement remedies. Additionally, notification of a registration renewal block is mailed.

Can someone dispute a toll bill?

Yes. You may contact the Mobility Authority to review all outstanding tolls and fees, correct any errors and arrange for payment to clear your status as a Habitual Violator and the block on your registration. Habitual Violators are also given an opportunity to request an administrative hearing with a justice of the peace.

How will I know or be notified that I am subject to a vehicle ban?

Habitual violators subject to vehicle ban will receive notification that they have been banned, including when the ban will take effect and instructions for how to remove their status as a Habitual Violator.

Can I dispute my toll bill that subjects me to the vehicle ban?

Yes. You may contact the Mobility Authority to review all outstanding tolls and administrative fees, correct any errors and arrange for payment to clear your status as a Habitual Violator and remove the vehicle ban.

What happens if I am banned, but get caught driving on a Mobility Authority toll road?

A person commits an offense when operating a vehicle in violation of the ban and is subject to a Class C misdemeanor with a fine up to \$500. A second or subsequent occurrence of driving on the tollway in violation of a ban may result in impoundment of the vehicle.

How will the Mobility Authority know if I'm still driving (after being banned)?

Mobility Authority roads are equipped with technology that recognizes vehicle and license plates on our prohibited list. Individuals operating a prohibited vehicle on Mobility Authority roads will be reported to nearby law enforcement patrolling Mobility Authority roads.

**GENERAL MEETING OF THE BOARD OF DIRECTORS
OF THE
CENTRAL TEXAS REGIONAL MOBILITY AUTHORITY**

RESOLUTION NO. 22-0XX

**PROHIBITING THE OPERATION OF CERTAIN MOTOR VEHICLES
ON MOBILITY AUTHORITY TOLL FACILITIES PURSUANT TO
THE HABITUAL VIOLATOR PROGRAM**

WHEREAS, Transportation Code, Chapter 372, Subchapter C, authorizes toll project entities, including the Central Texas Regional Mobility Authority (Mobility Authority), to exercise various remedies against certain motorists with unpaid toll violations; and

WHEREAS, Transportation Code §372.106 provides that a “habitual violator” is a registered owner of a vehicle who a toll project entity determines:

(1) was issued at least two written notices of nonpayment that contained:

(A) in the aggregate, 100 or more events of nonpayment within a period of one year, not including events of nonpayment for which: (i) the registered owner has provided to the toll project entity information establishing that the vehicle was subject to a lease at the time of nonpayment, as provided by applicable toll project entity law; or (ii) a defense of theft at the time of the nonpayment has been established as provided by applicable toll project entity law; and

(B) a warning that the failure to pay the amounts specified in the notices may result in the toll project entity’s exercise of habitual violator remedies; and

(2) has not paid in full the total amount due for tolls and administrative fees under those notices; and

WHEREAS, the Central Texas Regional Mobility Authority (Mobility Authority) previously determined that the individuals listed in Exhibit A are habitual violators, and these determinations are now considered final in accordance with Transportation Code, Chapter 372, Subchapter C; and

WHEREAS, Transportation Code §372.109 provides that a final determination that a person is a habitual violator remains in effect until (1) the total amount due for the person’s tolls and administrative fees is paid; or (2) the toll project entity, in its sole discretion, determines that the amount has been otherwise addressed; and

WHEREAS, Transportation Code §372.110 provides that a toll project entity, by order of its governing body, may prohibit the operation of a motor vehicle on a toll project of the entity if:

(1) the registered owner of the vehicle has been finally determined to be a habitual violator; and

(2) the toll project entity has provided notice of the prohibition order to the registered owner; and

WHEREAS, the Executive Director recommends that the Board prohibit the operation of the motor vehicles listed in Exhibit A on the Mobility Authority's toll roads, including (1) 183A Toll; (2) 290 Toll; (3) 71 Toll; (4) MoPac Express Lanes; (5) 45SW Toll; and (6) 183 Toll.

NOW THEREFORE, BE IT RESOLVED that the motor vehicles listed in Exhibit A are prohibited from operation on the Mobility Authority's toll roads, effective April 25, 2022; and

BE IT FURTHER RESOLVED that the Mobility Authority shall provide notice of this resolution to the individuals listed in Exhibit A, as required by Transportation Code §372.110; and

BE IT IS FURTHER RESOLVED that the prohibition shall remain in effect for the motor vehicles listed in Exhibit A until the respective habitual violator determinations are terminated, as provided by Transportation Code §372.110.

Adopted by the Board of Directors of the Central Texas Regional Mobility Authority on the 25th day of April 2022.

Submitted and reviewed by:

Approved:

James M. Bass
Executive Director

Robert W. Jenkins, Jr.
Chairman, Board of Directors

Exhibit A

LIST OF PROHIBITED VEHICLES

(To be provided at the Board Meeting)



CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY

April 25, 2022
AGENDA ITEM #4

Approve financial institutions and qualified brokers authorized to provide investment services and engage in investment transactions with the Mobility Authority and reaffirm the CTRMA investment policy

Strategic Plan Relevance: Regional Mobility
Department: Finance
Contact: José Hernández, Chief Financial Officer
Associated Costs: N/A
Funding Source: N/A
Action Requested: Consider and act on draft resolution

Investment Policy - Texas Government Code §2256.005(e) requires the Board to, at least annually, review and either revise or reaffirm the Mobility Authority investment policy and strategy. The investment policy and strategy is located in Article 5 of Chapter 2 of the Mobility Authority Policy Code. This code establishes that “it is the policy of the authority to invest public funds in a manner which will provide the maximum security with the highest investment return while meeting the daily cash flow demands of the authority conforming to all state and local statutes governing investment of public funds”. A copy of the current investment policy and strategy is included in the backup materials. No amendments are recommended with this review. Therefore, staff recommends affirming the current CTRMA Investment policy.

Financial Institutions and Qualified Brokers - Texas Government Code §2256.025 and Mobility Authority Policy Code §201.011 require the Board to annually review and approve the financial institutions and qualified brokers authorized to provide investment services and engage in investment transactions with the Mobility Authority. The recommended list of authorized financial institutions and investment brokers is included in the backup materials. Two firms, Rice Financial Products Company and Alamo Capital, are no longer on the list as they failed to meet annual compliance requirements as defined in the investment policy. Another Firm, Vining Sparks, was acquired by a firm that has yet to submit documentation to be added to the list as the acquisition was effective April 22, 2022.

Action Requested/Staff Recommendation - Staff recommends affirming the current CTRMA Investment Policy and approving the list of authorized financial institutions and investment brokers included in the backup.

Backup provided: Draft Resolution
List of authorized financial institutions and investment brokers
CTRMA Investment Policy

**GENERAL MEETING OF THE BOARD OF DIRECTORS
OF THE
CENTRAL TEXAS REGIONAL MOBILITY AUTHORITY**

RESOLUTION NO. 22-0XX

**APPROVING FINANCIAL INSTITUTIONS AND QUALIFIED BROKERS
AUTHORIZED TO PROVIDE INVESTMENT SERVICES AND ENGAGE IN
INVESTMENT TRANSACTIONS WITH THE MOBILITY AUTHORITY.**

WHEREAS, pursuant to Texas Government Code §2256.005(e), the Board is required to review the Mobility Authority's investment policy and investment strategy annually and record any changes made to either the investment policy or investment strategy; and

WHEREAS, Articles 5 & 6 of Chapter 2 of the Mobility Authority Policy Code establish the Mobility Authority's investment policy and strategy in compliance with the Texas Public Funds Investment Act, Chapter 2256 of the Texas Government Code; and

WHEREAS, the Board has reviewed the Mobility Authority's current investment policy and strategy set forth in Articles 5 & 6 of Chapter 2 of the Mobility Authority Policy Code and finds that there have been no changes to either the policy or strategy; and

WHEREAS, pursuant to Texas Government Code §2256.025, the Board is required to review and adopt a list of qualified brokers that are authorized to engage in investment transactions with the Mobility Authority; and

WHEREAS, Section 201.011(a) of the Mobility Authority Policy Code provides that "financial institutions and qualified brokers authorized to provide investment services and engage in investment transactions with the authority" shall be approved by a separate resolution adopted by the Board of Directors; and

WHEREAS, the Executive Director and Chief Financial Officer recommend that the Board approve the financial institutions and qualified brokers listed on Exhibit A to this resolution.

NOW, THEREFORE, BE IT RESOLVED that Board accepts and approves the current investment policy and strategy set forth in Articles 5 & 6 of Chapter 2 of the Mobility Authority Policy Code; and

BE IT FURTHER RESOLVED, that the firms listed on Exhibit A to this resolution are hereby authorized to provide investment services and engage in investment transactions with the Mobility Authority.

Adopted by the Board of Directors of the Central Texas Regional Mobility Authority on the 25th day of April 2022.

Submitted and reviewed by:

Approved:

James M. Bass
Executive Director

Robert W. Jenkins, Jr.
Chairman, Board of Directors

Exhibit A

Authorized Investment Broker Dealers and Financial Institutions

FHN Financial Capital Markets (John Saragusa)
206 Wild Basin Road, Suite 109
Austin, Texas 78746

Great Pacific Securities (Garrett NG)
151 Kalmus Drive, Suite H-8
Costa Mesa, CA 92626

Oppenheimer & Co. Inc. (Chris Sullivan/Jack Fay)
85 Broad Street, 22nd Floor
New York, NY 10004

Mischler Financial Group, Inc. (Steve Neri)
1111 Bayside Drive, Suite 100
Corona del Mar, CA 92625

MOBILITY AUTHORITY POLICY CODE

Chapter 2: FINANCES

Article 5. INVESTMENT POLICY AND STRATEGY

201.001 Overview

This article is adopted and intended to comply with the Texas Public Funds Investment Act, Chapter 2256, Government Code, as that act may be amended from time to time (the “PFIA”). It is the policy of the authority to invest public funds in a manner which will provide the maximum security with the highest investment return while meeting the daily cash flow demands of the authority conforming to all state and local statutes governing the investment of public funds. The authority’s Investment Policy and Strategy is approved by the board and is adopted to provide investment policy and strategy guidelines for use by authority staff and its advisors.

201.002 Scope

This article applies to all investment activities of authority funds except those subject to other investment covenants, or excluded by contract. All funds covered by this article shall be invested in accordance with the PFIA. These funds are accounted for in the authority's annual financial report and include:

- (1) Revenue Fund
- (2) Rebate Fund
- (3) Operating Funds
- (4) Debt Service Funds
- (5) Debt Service Reserve Funds
- (6) Renewal and Replacement Fund
- (7) General Fund
- (8) Capital Projects Funds

201.003 Objectives

The primary objectives, in priority order, of investment activities shall be:

MOBILITY AUTHORITY POLICY CODE

- (1) Safety: Safety of principal is the foremost objective of the investment program. Investments shall be undertaken in a manner that seeks to ensure the preservation of capital in the overall portfolio. The objective shall be to mitigate credit risk and interest rate risk.
- (2) Credit Risk: Credit risk is the risk of loss due to the failure of the security issuer or backer. Credit risk may be mitigated by:
 - (3) Limiting investments to the safest types of securities; as listed in Section 201.014.
 - (4) Pre-qualifying the financial institutions, brokers/dealers, intermediaries, and advisors with which the authority will do business; and,
 - (5) Diversifying the investment portfolio so that potential losses on individual securities will be minimized.
- (6) Interest Rate Risk: Interest rate risk is the risk that the market value of securities in the portfolio will fall due to changes in general interest rates. Interest rate risk may be mitigated by:
 - (7) Structuring the investment portfolio so that securities mature to meet cash requirements for ongoing projects, thereby avoiding the need to sell securities on the open market prior to maturity; and,
 - (8) By investing operating funds primarily in shorter-term securities, money market mutual funds or similar investment pools and limiting the average maturity of the portfolio in accordance with Section 201.009.
- (9) Liquidity: The investment portfolio shall remain sufficiently liquid to meet all project and operating requirements that may be reasonably anticipated. This is accomplished by structuring the portfolio so that securities mature concurrent with cash needs to meet anticipated demands.
- (10) Yield: The investment portfolio shall be designed with the objective of attaining a market rate of return throughout budgetary and economic cycles, taking into account the investment risk constraints and liquidity needs. Return on investment is of least importance compared to the safety and liquidity objectives described above. The core investments are limited to relatively low risk securities in anticipation of earning a fair return relative to the risk being assumed. Securities shall be held to maturity with the following exceptions:
 - (11) A declining credit security could be sold early to minimize loss of principal;
 - (12) A security swap would improve the quality, yield, or target duration in the portfolio; or,
 - (13) Liquidity needs of the portfolio require that the security be sold.
- (14) Public Trust: Participants in the authority's investment process shall act responsibly as public trust custodians. Investment Officers shall avoid transactions which might impair public confidence in the authority's ability to manage effectively.

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201.004 Standards Of Care

(a) Prudence: The standard of prudence to be used by investment officials shall be the “prudent person” standard and shall be applied in the context of managing an overall portfolio. An Investment Officer acting in accordance with the Investment Policy and Strategy and written procedures and exercising due diligence shall be relieved of personal responsibility for an individual security's credit risk or market price changes, provided deviations from expectations are reported in a timely fashion and appropriate action is taken to control adverse developments.

(b) Investments shall be made with judgment and care, under circumstances then prevailing, which persons of prudence, discretion and intelligence exercise in the management of their own affairs, not for speculation, but for investment, considering the probable safety of their capital as well as the probable income to be derived.

201.005 Ethics and Conflicts

(a) Investment Officers shall refrain from personal business activity that could conflict with or be perceived to conflict with the proper execution and management of the investment program, or that could impair their ability to make an impartial decision. An Investment Officer shall refrain from undertaking personal investment transactions with an individual person with whom business is conducted on behalf of the authority.

(b) For purposes of this section, an investment officer has a personal business relationship with a business organization if:

- (1) the investment officer owns 10 percent or more of the voting stock or shares of the business organization or owns \$5,000 or more of the fair market value of the business organization;
- (2) funds received by the investment officer from the business organization exceed 10 percent of the investment officer's gross income for the previous year; or
- (3) the investment officer has acquired from the business organization during the previous year investments with a book value of \$2,500 or more for the personal account of the investment officer.

(c) An Investment Officer shall file with the Texas Ethics Commission and with the board a statement disclosing the existence of the relationship if the Investment Officer:

- (1) has a personal business relationship with a business organization offering to engage in an investment transaction with the authority; or
- (2) is related within the second degree by affinity or consanguinity, as determined under Chapter 573, Government Code, to an individual seeking to sell an investment to the authority.

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201.006 Designation of Investment Officer

The chief financial officer and controller are designated and shall act as the Investment Officers of the authority and shall have responsibility for managing the authority's investment program. Additional authority personnel may also be designated as an Investment Officer with approval of the board. Written operational and investment procedures consistent with this chapter shall be established. Such procedures shall include explicit delegation of authority to persons responsible for investment transactions. No person may engage in an investment transaction except as provided under the terms of this chapter and the established procedures.

201.007 Investment Advisor

The board may select an Investment Advisor to advise the authority on investment of funds and other responsibilities as outlined in this article including but not limited to broker compliance, security selection, competitive bidding, reporting and security documentation. The Investment Advisor must be registered with the Securities and Exchange Commission (SEC) under the Investment Advisor's Act of 1940 as well as with the Texas State Securities Board.

201.008 Required Training

The chief financial officer and controller and any other person designated by resolution of the board as an Investment Officer shall attend at least one training session relating to the responsibilities of maintaining the investment portfolio within 12 months after taking office or assuming duties; and shall attend a training session not less than once every two years and receive not less than ten hours of training. Such training, from an independent source, shall include education in investment controls, security risks, strategy risks, market risks, and compliance with the PFIA. Training required by this section shall be from an independent source certified to provide training required by the PFIA and approved or endorsed by the Government Finance Officers Association of Texas, the Government Treasurers Organization of Texas, the Texas Municipal League, or the North Central Texas Council of Governments.

201.009 Investment Strategies

- (a) The authority's investment portfolio shall be designed with the objective of obtaining a rate of return throughout budgetary and economic cycles, commensurate with the investment risk constraints and the cash flow needs.
- (b) Market Yield Benchmark: The authority's investment strategy is conservative. Given this strategy, the basis used by the chief financial officer to determine whether minimum market yields

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are being achieved shall be the six month T-bill rate. Investment Officers and Investment Advisors shall strive to safely exceed minimum market yield within policy and market constraints.

(c) **Maximum Maturities:** To the extent possible, the authority will attempt to match its individual investments with anticipated cash flow requirements of each fund. However, in no instance shall the maximum stated maturity of an individual investment exceed five years, unless approved by the board.

201.010 Diversification

The authority will seek to diversify investments, by security types and maturity dates in order to avoid incurring unreasonable risks.

201.011 Authorized Financial Institutions and Qualified Brokers

(a) The board shall approve by separate resolution the financial institutions and qualified brokers authorized to provide investment services and engage in investment transactions with the authority. These may include “primary” brokers or regional brokers that qualify under Securities & Exchange Commission Rule 15C3-1 (uniform net capital rule).

(b) Each security broker who desires to become qualified and authorized under this section to engage in investment transactions with the authority must supply the chief financial officer with the following:

- (1) Audited financial statements;
- (2) Proof of National Association of Securities Dealers (NASD) certification;
- (3) Proof of state registration;
- (4) The completed security broker/dealer questionnaire in the form approved by the board in a separate resolution; and,
- (5) A written certification relating to this Investment Policy and Strategy signed by a qualified representative of the firm in the form approved by the board in a separate resolution. The authority will not enter into an investment transaction with a security broker/dealer prior to receiving this written certification and acknowledgement.

(c) A current audited financial statement is required to be on file for each financial institution and broker in which the authority invests. An annual review of the financial condition and registrations of qualified brokers will be conducted by the executive director.

(d) In accordance with state law, the authority requires all funds held by financial institutions above the Federal Deposit Insurance Corporation (FDIC) insurance limit to be collateralized with securities whose market value is pledged at 102% of principal and accrued interest by that institution

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with the authority's custodial bank. Private insurance coverage is not an acceptable collateralization form. Securities which are acceptable for collateralization purposes are as follows:

- (1) FDIC insurance coverage.
- (2) A bond bill, certificate of indebtedness, or Treasury note of the United States, or other evidence of indebtedness of the United States that is guaranteed as to principal and interest by the United States (i.e. Treasury Agency issues).
- (3) Obligations, the principal and interest on which, are unconditionally guaranteed or insured by the State of Texas.
- (4) A bond of the State of Texas or a country, city or other political subdivision of the State of Texas having been rated as investment grade by a nationally recognized rating agency with a remaining maturity of ten years or less.

201.012 Custody - Delivery vs. Payment

All security transactions entered into by the authority shall be conducted on a delivery-versus-payment (DVP) basis. Securities will be held by the authority's custodial bank and evidenced by safekeeping receipts.

201.013 Safekeeping of Securities

- (a) Securities purchased for the authority's portfolios will be delivered in book entry form and will be held in third party safekeeping by a Federal Reserve member financial institution designated as the authority's safekeeping and custodian bank.
- (b) The authority will execute Safekeeping Agreements prior to utilizing the custodian's safekeeping services. The safekeeping agreement must provide that the safekeeping agent will immediately record and promptly issue and deliver a safekeeping receipt showing the receipt and the identification of the security, as well as the authority's interest. All securities owned by the authority will be held in a Customer Account naming the authority as the customer.
- (c) The safekeeping institution shall annually provide a copy of their most recent report on internal controls (Statement of Auditing Standards no. 70 or SAS 70).

201.014 Authorized And Suitable Investments

- (a) The investment of authority funds will be made using only those investment types approved by the board and which are in accordance with the PFIA. The approved investment types will be limited to the following:
 - (1) U.S. Treasury and Federal Agency Issues.

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- (2) Certificates of Deposit as authorized under Section 2256.010 of the PFIA.
- (3) Repurchase Agreements, including flexible Repurchase Agreements, collateralized by U.S. Treasury or Federal Agency Securities whose market value is 102% of the authority's investment and are pledged and held with the authority's custodial bank or a third-party safekeeping agent approved by the authority. Repurchase agreements must also be secured in accordance with State law. Each counter party to a repurchase transaction is required to sign a copy of an Investment Repurchase Agreement under the guidelines of Section 2256.011 of the PFIA, using the Bond Market Association Public Securities Association Master Repurchase Agreement as a general guide and with such changes thereto as are deemed in the best interest of the authority. Such an Agreement must be executed prior to entering into any transaction with a repo counterparty.
- (4) Guaranteed Investment Contracts (GIC's) collateralized by U.S. Treasury or Federal Agency Securities whose market value is 102% of the authority's investment and are pledged and held with the authority's custodial bank or a third-party safekeeping agent approved by the authority. Bond proceeds, other than bond proceeds representing reserves and funds maintained for debt service purposes, may not be invested for a term which exceeds five years from the date of bond issuance.
- (5) Obligations of states, agencies, counties, cities, and other political subdivisions of any State having been rated as to investment quality by a nationally recognized investment rating firm and having received a rating of not less than "AA" or its equivalent, with fixed interest rates and fixed maturities.
- (6) SEC registered no-load money market mutual funds with a dollar weighted average portfolio maturity of 90 days or less; that fully invest dollar for dollar all authority funds without sales commissions or loads; and whose investment objectives include the maintenance of a stable net asset value of \$1 per share
- (7) Local government investment pools, which are "AAA" rated by a nationally recognized bond rating company (e.g., Moody's, S&P, Fitch), and which participation in any particular investment pool(s) has been authorized by resolution of the board, not to exceed 80% of the total investment portfolio less bond funds. Bond funds may be invested at 100%.
 - (b) The authority is prohibited from purchasing any security that is not authorized by Texas law, or any direct investment in asset-backed or mortgage-backed securities. The authority expressly prohibits the purchase of inverse floaters, interest-only (IO) and principal-only (PO) collateralized mortgage obligations (CMO's).
 - (c) An Investment that requires a minimum rating does not qualify as an authorized investment during the period the investment does not have the minimum rating. The Investment Officers shall monitor the credit rating on all authorized investments in the portfolio based upon independent information from a nationally recognized rating agency. The authority shall take all prudent measures

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that are consistent with its Investment Policy and Strategy to liquidate an investment that does not have the minimum rating.

201.015 Reporting and Review

(a) **Quarterly Report Requirements:** The Investment Officers shall jointly prepare, no less than on a quarterly basis, an investment report, including a summary that provides a clear picture of the status of the current investment portfolio and transactions made after the ending period of the most recent investment report. The report shall be provided to the board and the executive director. The report shall comply with requirements of the PFIA and shall include the following:

- (1) The investment position of the authority on the date of the report.
- (2) The signature of each Investment Officer.
- (3) Summary for each fund stating:
 - (A) Beginning market value;
 - (B) Ending market value.
- (4) Beginning and ending book value and market value for each investment along with fully accrued interest for the reporting period.
- (5) Maturity date of each investment.
- (6) Description of the account or fund for which the investments were made.
- (7) Statement that the investment portfolio is in compliance with the authority's Investment Policy and Strategy.

(b) **Security Pricing:** Current market value of securities may be obtained by independent market pricing sources including, but not limited to, the Wall Street Journal, broker dealers and banks other than those who originally sold the security to the authority as well as the authority's safekeeping agent.

(c) **Annual Audit:** If the authority places funds in any investment other than registered investment pools or accounts offered by its depository bank, the above reports shall be formally reviewed at least annually by an independent auditor, and the result of the review shall be reported to the Executive Committee. In addition, the authority's external auditors shall conduct a compliance audit of management controls on investments and adherence to the Investment Policy and Strategy.

201.016 Current Investments Exempted from Policy

Any investment currently held that does not meet the guidelines of this article or subsequent amended versions shall be exempted from the requirements of this article. At maturity or liquidation, such

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monies shall be reinvested only as provided by this article.

201.017 Annual Review

The authority shall review and approve the Investment Policy and Strategy annually. This review shall be conducted by the board with recommendations from the executive director. Any approved amendments shall be promptly incorporated into written policy.

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Article 6. SWAP POLICY

201.018 Purpose

Interest rate swap transactions can be an integral part of the authority's asset/liability and debt management strategy. By utilizing interest rate swaps, the authority can expeditiously take advantage of market opportunities to reduce costs. Interest rate swaps will allow the authority to actively manage asset and liability interest rate risk, balance financial risk, and achieve debt management goals and objectives through synthetic fixed rate and variable rate financing structures. The authority shall not enter into interest rate swaps for speculative purposes.

201.019 Authorization

- (a) By recommendation of the Executive Committee of the board (the "Executive Committee"), approval to execute an interest rate swap on behalf of the authority will be authorized by a resolution passed by the board on a case-by-case basis.
- (b) Each swap resolution will authorize the swap agreement and its provisions to include, notional amount, security, payment, and certain other terms in regards to the swap agreement between the authority and qualified swap counterparties ("Counterparties"), and other necessary documents. Each swap resolution shall specify the appropriate authority officials authorized to make modifications to the swaps contemplated, within certain parameters. In the event of a conflict between a swap resolution and the Master Swap Policy, the terms and conditions of the swap resolution shall control.
- (c) Such actions of the authority will be taken pursuant to applicable provisions of the Government Code, whereby the authority must make a finding and determine that it is prudent and advisable for the authority to enter into interest rate swap agreements or other such arrangements from time to time based on certain terms and conditions set forth in the swap resolution and this article.

201.020 General Guidelines for Interest Rate Swap Agreements

The following non-exclusive list provides certain guidelines the Executive Committee will follow in the evaluation and recommendation of interest rate swap transactions:

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- (1) **Legality:** The Executive Committee must first determine, or have determined by appropriate legal counsel, that the proposed contract fits within the legal constraints imposed by state laws, authority resolutions, and existing indentures and other contracts.
- (2) **Goals:** In the authorizing resolution, the authority must clearly state the goals to be achieved through the swap contract and must adopt execution parameters consistent with the goals.
- (3) **Rating Agencies:** The swap agreement being entered into will not have an adverse impact on any existing authority credit rating. In addition to the legal constraints as noted above, the swap agreement will conform to outstanding commitments with bond insurers, credit enhancers, and surety providers. Where possible, the authority shall obtain confirmation on the underlying ratings of the revenue source obligated under the swap agreement. All swap agreements must be discussed with the rating agencies prior to execution, and cannot be executed if doing so would impact negatively on the authority's credit ratings.
- (4) **Term:** The authority shall determine the appropriate term for an interest rate swap agreement on a case-by-case basis. However, in no circumstance may the term of a swap agreement entered into for liability management purposes between the authority and a qualified swap Counterparty extend beyond the final maturity date of the underlying debt of the authority, or in the case of a refunding transaction, beyond the final maturity date of the refunding bonds.
- (5) **Impact on Variable Rate Capacity:** The impact of the swap agreement on the authority's variable rate capacity must be quantified prior to execution so as not to hinder the authority's ability to continue the issuance of traditional variable rate products such as commercial paper which is used to fund capital projects.
- (6) **Enhancements:** The authority may utilize other swap enhancement products such as forward swaps, swap options, basis swaps, caps, floors, collars, cancellation options, etc. Utilization and consideration of each of these products will be part of the approval process per swap agreement as detailed in Section 201.024. The costs, benefits, and other considerations regarding the enhancement will be explained to board as a part of the approval process. In the case of swap options in which the authority would receive up-front cash, the authority will not enter into any such swap agreements.
- (7) **Bond Covenants:** The implementation of derivative products or interest rate swaps will not conflict with existing bond covenants and debt policies. The derivative product will also not

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contain terms that would cause restrictions on additional bond test and protective covenants of outstanding bonds or create cross defaults.

- (8) Accounting Compliance: The impact of compliance with GASB Technical Bulletin No. 2003-1 shall be disclosed in the authority's annual financial reports.
- (9) Staffing: The authority shall maintain appropriate staff with responsibility and knowledge suitable for monitoring swap transactions. Before entering into a swap, the accounting impact of the swap on the authority must be determined.
- (10) Exit Strategy: The mechanics for determining termination values at various times and upon various occurrences must be explicit in the swap agreement, and the authority should obtain estimates from its financial advisor and swap advisor of the potential termination costs which might occur under various interest rate scenarios, and plan for how such costs would be funded.

201.021 Basis of Award

(a) Competitive Bid: Competitively bid transactions will be deemed "quasi-competitive" and will include not fewer than three firms. The Executive Committee will recommend to the board the method of sale and which firms will participate in the competitive transaction based on criteria described in Section 201.023. However, for a competitive bid, in situations in which the authority would like to reward a particular firm or firms, or wishes to achieve diversification of its Counterparty exposure, the Executive Committee may select one of the following bases for award:

- (1) Allow the firm or firms not submitting the best bid to amend its bid to match the best bid, and by doing so, be awarded up to a specific percentage of the transaction.
- (2) To encourage competition, the second and third place bidders may be allowed to contract for a specific amount of the notional amount as long as their bid is no greater than a pre-specified spread from the best bidder in a proportional manner as specified in bidding parameters.
- (3) The authority may award the transaction to a firm or firms that submit the best bid as defined in the solicitation for bid.

(b) Negotiated Transactions: In the case of a pure negotiated transaction, the authority shall rely on its swap advisor to negotiate the price and render a "fair value opinion." The Counterparty shall disclose payments to third parties regarding the execution of the derivative contract.

201.022 Management of Swap Transaction Risk

Certain risks will be created as the authority enters into various interest rates swap agreements with numerous swap counterparties. In order to manage the associated risks, guidelines and parameters for each risk category are as follows:

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- (1) Counterparty Risk: The risk of swap Counterparty default can be reduced by limiting swap agreements between the authority and any single swap Counterparty that qualifies as an eligible swap Counterparty to the authority as described in Section 201.023(a) and Section 201.023(c). In addition, the authority may require the posting of collateral by the swap Counterparty, with a mark-to-market as requested by the authority, in accordance with the guidelines described in Section 201.023(d).
- (2) Termination Risk:
 - (A) Optional Termination: At a minimum, the authority shall have the right to optionally terminate a swap agreement at any time over the term of the agreement (elective termination right) at the then-prevailing market value of the swap (so long as a swap Counterparty receiving payment upon termination is not in default). In general, exercising the right to optionally terminate an agreement should produce a benefit to the authority, either through receipt of a payment from a termination, or if a termination payment is made by the authority, in conjunction with a conversion to a more beneficial (desirable) debt obligation of the authority as determined by the authority. Termination value shall be readily determinable by one or more independent swap counterparties, who may assume the swap obligations of the authority. A Counterparty to the authority shall not have the elective right to terminate the swap agreement except when a termination option has been priced into the terms of the swap at inception. The authority should explore the viability of a unilateral termination provision without being exposed to a termination payment.
 - (B) Mandatory Termination: A termination payment by the authority may be required in the event of termination of a swap agreement due to a Counterparty default or following a decrease in credit rating of the authority. In some circumstances, the defaulting party will be required to make a termination payment to the non-defaulting party. However, under certain circumstances, upon an event of termination, the non-defaulting party may be required to make a payment to the defaulting party. It is the intent of the authority not to make a termination payment to a Counterparty failing to meet its contractual obligations. At a minimum, prior to making any such termination payment, the authority shall require a suitable time period during which the authority may evaluate whether it is financially advantageous for the authority to obtain a replacement Counterparty to avoid making a termination payment. For example, in order to mitigate the financial impact of making such a payment, at the time such payment is due, the authority will seek to replace the terms of the terminated transaction with a new Counterparty and, as a result, receive value from the replacement Counterparty. The new or replacement Counterparty would make an upfront payment to the authority in an amount that would offset (either in whole or in part) the payment obligation of the authority to the original Counterparty. The market value of each swap agreement (including termination costs) will be calculated by the swap advisor and provided periodically as information to board in accordance with the

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provisions of Section 201.027 to monitor the transaction's value and in order to implement an appropriate exit strategy in a timely manner, if required.

- (3) **Amortization Risk (Term):** The slope of the swap curve, the marginal change in swap rates from year to year along the swap curve, termination value, and the impact that the term of the swap has on the overall exposure of the authority shall be considered in determining the appropriate term of any swap agreement. Any swap should reflect the amortization of the debt swapped against or will be in place for no longer than the period of time that matching assets are available to hedge the transaction.
- (4) **Liquidity Risk:** The authority should consider if the swap market is sufficiently liquid (i.e., if enough potential qualified counterparties participate actively in the market to assure fair pricing) for the type of swap being considered and the potential ramifications of an illiquid market for such types of swaps. There may not be another appropriate party available to act as an offsetting Counterparty. The authority may enter into liquidity agreements with qualified liquidity providers and/or credit enhancers to protect against this risk.
- (5) **Basis (Index) Risk (including Tax Risk):** Any index chosen as part of an interest rate swap agreement shall be a recognized market index, including but not limited to The Bond Market Association Municipal Swap Index (TBMA) or London Interbank Offering Rate (LIBOR). The authority shall not enter into swap agreements that do not have a direct (one to one) correlation with the movement of an index without analyzing the risk associated with the enhancement. Any Counterparty for a swap which relies on an index will agree to not lobby, or otherwise influence, any changes to the index that will adversely affect the authority. The tax risk and impact to the authority of each swap transaction shall be detailed through the Counterparty disclosure requirements outlined in Section 201.024.
- (6) **Bankruptcy Risk:** Bond or swap counsel will disclose to the authority the bankruptcy risks and issues associated with the Counterparty and type of swap chosen. Additionally, bond or swap

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counsel will disclose to the authority the bankruptcy issues associated with the method of collateral required to be posted.

201.023 Counterparty Approval Guidelines

(a) Eligibility: The authority shall enter into interest rate swap transactions only with Counterparties. To qualify as a Counterparty under this article, at the time of entry into a swap transaction, the selected swap provider(s):

(1) shall be rated at least AA-/Aa3/AA- by at least two of the three nationally recognized credit rating agencies (Standard & Poor's, Moody's, and Fitch Ratings, respectively) and shall have a minimum capitalization of \$50 million, or

(2) shall be rated at least BBB-/Baa3/BBB- by two of the three nationally recognized credit rating agencies and shall provide a credit support annex ("CSA") to the schedule to the ISDA master agreement that shall require such party to deliver collateral for the benefit of the authority:

(A) that is of a kind and in such amounts as are specified therein and which relate to various rating threshold levels of the Counterparty or its guarantor, from AA-/Aa3/AA- through BBB/Baa3/BBB-, and

(B) that, in the judgment of the authority in consultation with its Financial Advisor, is reasonable and customary for similar transactions, taking into account all aspects of such transaction including without limitation the economic terms of such transaction and the creditworthiness of the Counterparty or, if applicable, its guarantor; or

(C) shall post suitable and adequate collaterala (separate from any collateral requirements of Section 6.3) at a third party for the benefit of the authority; or

(3) shall obtain credit enhancement from a provider with respect to its obligations under the transaction that satisfies the requirements of subdivision (1) of this subsection, given the undertaking involved with the particular transaction.

(b) The authority shall not enter into an interest rate swap transaction with a firm that does not qualify as a Counterparty. The Counterparty must make available audited financial statements and rating reports of the Counterparty (and any guarantor), and must identify the amount and type of derivative exposure, and the net aggregate exposure to all parties (the authority and others), along with relevant credit reports at the time of entering into a swap and annually thereafter unless the entity or credit enhancer is under credit or regulatory review and in that case immediately upon notice by the appropriate agencies to the entity.

(c) Swap Counterparty Exposure Limits and Transfer: In order to limit and diversify the authority's Counterparty risk, and to monitor credit exposure to each Counterparty, the authority

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may not enter into an interest rate swap agreement with a qualified swap Counterparty if the following exposure limits are reached per Counterparty:

- (1) The maximum notional amount for interest rate swaps between a particular Counterparty (and its unconditional guarantor, if applicable) and the authority shall not exceed the maximum of \$100 million. The \$100 million limitation shall be the net exposure total of all notional amounts between each Counterparty and the authority. As such, notional amounts for fixed to floating swaps may be used to “offset” the notional amounts for floating to fixed swaps, or vice versa.
- (2) Limitations on transfers of swaps with a particular Counterparty should be carefully analyzed and would require the authority’s prior written consent. If the Counterparty unilaterally restricts transfer, then the authority should have the ability to terminate the swap without penalty if the swap is transferred or the Counterparty is merged with another entity that changes the credit profile of the swap Counterparty, unless the authority gives its prior written consent.
- (3) If the maximum notional limit for a particular Counterparty is exceeded solely by reason of merger or acquisition involving two or more counterparties, the authority shall expeditiously analyze the exposure, but shall not be required to “unwind” existing swap transactions unless the authority determines such action is in its best interest, given all the facts and circumstances.
- (4) If the exposure limit is breached by a Counterparty, then the authority shall:
 - (A) conduct a review .of the exposure limit calculation of the counterparty; and
 - (B) determine if collateral may be posted to satisfy the exposure limits; and
 - (C) enter into an offsetting swap transaction, if necessary.
- (5) The authority will not enter into contracts with derivative product companies (“DPCs”) that are classified as “terminating” or “Sub-T” DPC's by the rating agencies.
 - (d) Collateral Requirements: Collateral posting requirements between the authority and each swap Counterparty should not be unilateral in favor of the Counterparty. As part of the swap agreement,

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the authority or the swap Counterparty may require that collateralization to secure any or all swap payment obligations be posted. Collateral requirements shall be subject to the following guidelines:

- (1) Collateral requirements imposed on the authority should not be accepted to the extent they would impair the authority's existing operational flow of funds.
- (2) Each Counterparty shall be required to provide a form of a Credit Support Annex should the credit rating of the Counterparty fall below the "A-/A3/A-" category by at least two of the nationally recognized agencies:
- (3) A list of acceptable securities that may be posted as collateral and the valuation of such collateral will be determined and mutually agreed upon during negotiation of the swap agreement with each swap Counterparty.
- (4) The market value of the collateral shall be determined on either a daily, weekly, or monthly basis by an independent third party, as provided in the swap documentation.
- (5) Failure to meet collateral requirements will be a default pursuant to the terms of the swap agreement.
- (6) The authority and each swap Counterparty may provide in the supporting documents to the swap agreement for reasonable threshold limits for the initial deposit and for increments of collateral posting thereafter.
- (7) The swap agreement may provide for the right of assignment by one of the parties in the event of certain credit rating events affecting the other party. The authority (or the Counterparty) shall first request that the Counterparty (or the authority) post credit support, or provide a credit support facility. If the Counterparty (or the authority) does not provide the required credit support, then the authority (or the Counterparty) shall have the right to assign the agreement to a third party acceptable to both parties and based on terms mutually acceptable to both parties. The credit rating thresholds to trigger an assignment shall be included in the supporting documents.

201.024 Form of Swap Agreements and Other Documentation

Each interest rate swap agreement shall contain terms and conditions as set forth in the International Swap & Derivatives Association, Inc. ("ISDA") Master Agreement and such other terms and conditions included in any schedules, confirmations, and credit support annexes as approved in accordance with the authority's swap resolution pertaining to that transaction. The swap Counterparty shall provide a disclosure memorandum that will include an analysis by the Counterparty of the risks and benefits of the transactions, with amounts quantified. This analysis should include, among other things, a matrix of maximum termination values over the life of the swap. The disclosure memorandum shall become a part of the official transcript for the transaction. The swap Counterparty shall also affirm receipt and understanding of the authority's statement of swap policies, and will

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further affirm that the contemplated transactions fit within the swap policies as described.

201.025 Modification of Swaps

Each swap resolution should provide specific approval guidelines for the swap transactions to which it pertains. These guidelines should provide for modifications to the approved swap transactions, provided such modifications, unless considered and recommended by the Executive Committee, do not extend the average life of the term of the swap, increase the overall risk to the authority resulting from the swap, or increase the notional amount of the swap. The swap resolution should further designate which authority officers shall be authorized to cause such modifications.

201.026 Aggregation of Swaps

Unless the swap resolution states otherwise, the approval requirements set forth in each swap resolution are applicable for the total notional amount of transactions executed over a consecutive three-month period for a given security or credit. Therefore, the notional amount of swap transactions including the average life of the swap agreements over a consecutive three-month period are considered in total (net of the notional amount of a swap reversal) to determine what approval is required pursuant to a particular swap resolution.

201.027 Reporting Requirements

The Executive Committee shall be required to report the status of all interest rate swap agreements to the board at least on an annual basis and shall present all footnote disclosure items required by GASB Technical Bulletin No. 2003-1.



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MOBILITY AUTHORITY

April 25, 2022
AGENDA ITEM #5

Accept the financial statements for
March 2022

Strategic Plan Relevance: Regional Mobility
Department: Finance
Contact: José Hernández, Chief Financial Officer
Associated Costs: N/A
Funding Source: N/A
Action Requested: Consider and act on draft resolution

Project Description/Background: Presentation and acceptance of the financial statements for March 2022.

Previous Actions & Brief History of the Program/Project: N/A

Financing: N/A

Action requested/Staff Recommendation: Accept the financial statements for March 2022.

Backup provided: Draft Resolution
Draft financial statements for March 2022 to be provided at the Board Meeting

**MEETING OF THE BOARD OF DIRECTORS
OF THE
CENTRAL TEXAS REGIONAL MOBILITY AUTHORITY**

RESOLUTION NO. 22-0XX

ACCEPT THE FINANCIAL STATEMENTS FOR MARCH 2022

WHEREAS, the Central Texas Regional Mobility Authority (Mobility Authority) is empowered to procure such goods and services as it deems necessary to assist with its operations and to study and develop potential transportation projects, and is responsible to insure accurate financial records are maintained using sound and acceptable financial practices; and

WHEREAS, close scrutiny of the Mobility Authority's expenditures for goods and services, including those related to project development, as well as close scrutiny of the Mobility Authority's financial condition and records is the responsibility of the Board and its designees through procedures the Board may implement from time to time; and

WHEREAS, the Board has adopted policies and procedures intended to provide strong fiscal oversight and which authorize the Executive Director, working with the Mobility Authority's Chief Financial Officer, to review invoices, approve disbursements, and prepare and maintain accurate financial records and reports; and

WHEREAS, the Executive Director, working with the Chief Financial Officer, has reviewed and authorized the disbursements necessary for the month of March 2022, and has caused financial statements to be prepared and attached to this resolution as Exhibit A; and

NOW THEREFORE, BE IT RESOLVED, that the Board of Directors accepts the financial statements for March 2022, attached hereto as Exhibit A.

Adopted by the Board of Directors of the Central Texas Regional Mobility Authority on the 25th day of April 2022.

Submitted and reviewed by:

Approved:

James M. Bass
Executive Director

Robert W. Jenkins, Jr.
Chairman, Board of Directors

Exhibit A

(To be provided at the Board Meeting)



CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY

April 25, 2022
AGENDA ITEM #6

Discuss and consider approving a new loan agreement with Regions Capital Advantage, Inc. to refinance the current loan with Regions Commercial Equipment Finance, LLC related to the MoPac Improvement Project

Strategic Plan Relevance: Regional Mobility
Department: Finance
Contact: José Hernández, Chief Financial Officer
Associated Costs: Loan principal and interest – five-year maturity
Funding Source: MoPac Improvement Project Revenues
Action Requested: Consider and act on draft resolution

Project Description/Background: This action will approve the execution and delivery of a Secured Loan Agreement with Regions Capital Advantage, Inc. for the purpose of borrowing an amount not to exceed \$24,990,900 to refinance the existing loan with Regions Commercial Equipment Finance, LLC which funded MoPac Improvement Project costs. The Loan will have a five-year maturity. The Loan will be secured by a lien on the net revenues of the MoPac Improvement Project.

Previous Actions & Brief History of the Program/Project: Proceeds from the initial 2017 loan with Regions Commercial Equipment Finance, LLC were used to fund costs associated with the design, engineering, and construction of the MoPac Improvement Project. On November 17, 2021, a one-year extension to the initial loan was approved by the Board.

Financing: N/A

Action requested/Staff Recommendation: Approve the refinancing loan from Regions Capital Advantage, Inc.

Backup provided: Draft resolution
Form of Secured Loan Agreement
Term sheet

GENERAL MEETING OF THE BOARD OF DIRECTORS
OF THE
CENTRAL TEXAS REGIONAL MOBILITY AUTHORITY

RESOLUTION NO. 22-0XX

RESOLUTION APPROVING A SECURED LOAN AGREEMENT WITH REGIONS CAPITAL ADVANTAGE, INC. RELATED TO THE MOPAC IMPROVEMENT PROJECT; AUTHORIZING THE EXECUTION AND DELIVERY OF ALL DOCUMENTS IN CONNECTION THEREWITH; AND ENACTING OTHER PROVISIONS RELATED THERETO

WHEREAS, pursuant to Chapter 370, Texas Transportation Code, as amended (the “Act”), the Central Texas Regional Mobility Authority (the “Authority”), is authorized to: (i) study, evaluate, design, finance, acquire, construct, maintain, repair and operate transportation projects (as defined in the Act), individually or as a system (as defined in the Act); (ii) impose tolls, fees, fares or other charges for the use of each of its transportation projects and the different parts or sections of each of its transportation projects; (iii) borrow money from and enter into loan agreements or other arrangements with any public or private entity for any purpose authorized by the Act, including the design, engineering and construction of a transportation project, and (iv) pledge all or any part of its revenues and any other funds available to the Authority to the payment of any obligations of the Authority under agreements authorized by the Act; and

WHEREAS, the Authority and Regions Commercial Equipment Finance, LLC (“RCEF”) previously entered into that certain Secured Loan Agreement dated as of December 1, 2017 (the “Original Loan Agreement”), pursuant to which the Authority has borrowed \$24,990,900, being the full amount available to be disbursed to the Authority thereunder, for the purpose of providing funds to pay or reimburse the Authority for a portion of the costs of the design, engineering and construction of the MoPac Improvement Project; and

WHEREAS, pursuant to the terms of the Original Loan Agreement, the principal amount of the original loan would have been due in full on December 1, 2021; and

WHEREAS, the Authority and RCEF entered into a First Amendment to Secured Loan Agreement dated as of December 1, 2021 (the “First Amendment” and, together with the Original Loan Agreement, the “RCEF Loan Agreement”) making the principal amount of the original loan due in full on December 1, 2022 and amending certain other provisions of the Original Loan Agreement, all as set forth therein; and

WHEREAS, the Board of Directors of the Authority (the “Board”) has been presented with a term sheet (the “Term Sheet”) for a new secured loan agreement (the “Loan Agreement”), between the Authority and Regions Capital Advantage, Inc.

(“Regions Capital”), for the purpose of refinancing the obligations of the Authority under the RCEF Loan Agreement on the terms set forth in the Term Sheet; and

WHEREAS, the loan (as described in the Term Sheet, the “Loan”), made pursuant to the Loan Agreement shall be a limited obligation of the Authority, secured solely by the net revenues of the MoPac Improvement Project (as described in the Loan Agreement, the “Net Revenues”), and payable from the Net Revenues and other legally available funds of the Authority, all as shall be provided in and in accordance with the terms of the Loan Agreement; and

WHEREAS, the Board has determined to pledge the Net Revenues as security for the repayment of the Loan; and

WHEREAS, the obligation of the Authority to repay the Loan Agreement is also an unsecured obligation of the Authority payable from any legally available funds of the Authority; and

WHEREAS, it is hereby found and determined that the meeting at which this Resolution is approved is open to the public and public notice of the time, place and subject matter of the public business to be considered and acted upon at said meeting, including this Resolution, was given, all as required by the applicable provisions of Chapter 551, Texas Government Code, as amended;

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE CENTRAL TEXAS REGIONAL MOBILITY AUTHORITY THAT:

Section 1. Findings. The findings and determinations contained in the preambles hereof are hereby incorporated herein for all purposes as if set forth herein in their entirety.

Section 2. Approval of Borrowing. The Board hereby authorizes the borrowing by the Authority of an amount not to exceed \$24,990,900 from Regions Capital for the purpose of refinancing the obligations of the Authority under the RCEF Loan Agreement.

Section 3. Approval of the Term Sheet and the Loan Agreement. The form, terms and provisions of the Term Sheet, evidencing the obligation of the Authority to repay the Loan, in the substantially final form presented at this meeting, are hereby approved, with such changes as may be approved by the officer executing the Term Sheet, such approval to be evidenced by the execution thereof. The Chairman and Vice Chairman of the Board and the Executive Director and Chief Financial Officer of the Authority are hereby authorized, and each of them singly and individually, to (i) execute and deliver the Term Sheet, (ii) determine the final forms, terms and provisions of the Loan Agreement and the promissory note to be attached to the Loan Agreement (the “Note”), all of which shall be substantially consistent with the terms and provisions of the

Term Sheet, and (iii) to execute and deliver the Loan Agreement and the Note on behalf of the Authority.

Section 4. Pledge of Net Revenues. The Board hereby pledges the Net Revenues as security for the payment of the Loan in accordance with the terms and provisions of the Term Sheet and the Loan Agreement.

Section 5. Authority's Obligations Under Loan Agreement. The Authority's obligations under the Loan Agreement, including its obligations to pay interest on and principal of the Loan, shall be as set forth in the Loan Agreement.

Section 6. Appointment of Authorized Officers. The Board hereby appoints the Chairman, Vice Chairman, Secretary and Treasurer of the Board, and the Executive Director, the Chief Financial Officer and the Controller of the Authority, and each of them singly and individually, to act in the capacity of "Authorized Officer" under the Loan Agreement and to (i) make such determinations with respect to the Loan Agreement, the Loan and the Note as may be necessary from time to time, including determinations relating to the tax status of interest on the Loan, (ii) execute and deliver instruments, certificates and documents as may be required from time to time to be delivered under or in connection with the Loan Agreement, the Loan and the Note, and (iii) make such disbursements and transfers of funds as may be deemed necessary or desirable in connection with the execution, delivery and administration of the Loan Agreement, the Loan and the Note.

Section 7. Further Actions. The Authorized Officers and staff of the Authority, and its professional consultants, are hereby authorized and directed to take any and all actions and to execute and deliver any and all instruments and documents as may be necessary or desirable to carry out and effectuate the purposes of this Resolution and the Loan Agreement.

Section 8. Effective Date. This Resolution shall be in full force and effect from and upon its adoption.

Adopted by the Board of Directors of the Central Texas Regional Mobility Authority on the 25th day of April 2022.

Submitted and reviewed by:

Approved:

James M. Bass
Executive Director

Robert W. Jenkins, Jr.
Chairman, Board of Directors

SECURED LOAN AGREEMENT

By and Between

CENTRAL TEXAS REGIONAL MOBILITY AUTHORITY

and

REGIONS CAPITAL ADVANTAGE, INC.

dated as of May __, 2022

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SECURED LOAN AGREEMENT

THIS SECURED LOAN AGREEMENT (this “Loan Agreement” or “Agreement”), dated as of May __, 2022, is made by and between the Central Texas Regional Mobility Authority (the “Authority”), a regional mobility authority and a political subdivision of the State of Texas (the “State”), and REGIONS CAPITAL ADVANTAGE, INC. (the “Lender”). Capitalized terms set forth in the preamble and recitals are defined in Article II of this Agreement.

RECITALS

WHEREAS, the Authority has been created and organized pursuant to and in accordance with the provisions of Chapter 361, Texas Transportation Code, as amended, and operates pursuant to the Constitution and laws of the State, including, particularly, Chapter 370, Texas Transportation Code, as amended (the “Act”), for the purposes of constructing, maintaining and operating transportation projects in Travis and Williamson Counties, Texas; and

WHEREAS, pursuant to the Act, the Authority is authorized to: (i) study, evaluate, design, finance, acquire, construct, maintain, repair and operate transportation projects (as defined in the Act), individually or as a system (as defined in the Act); and (ii) impose tolls, fees, fares or other charges for the use of each of its transportation projects and the different parts or sections of each of its transportation projects; and (iii) borrow money from and enter into loan agreements or other arrangements with any public or private entity for any purpose authorized by the Act, including the design, engineering and construction of a transportation project, and (iv) pledge all or any part of its revenues and any other funds available to the Authority to the payment of any obligations of the Authority under agreements authorized by the Act; and

WHEREAS, the Authority and Regions Commercial Equipment Finance LLC (“RCEF”) previously entered into that certain Secured Loan Agreement, dated as of December 1, 2017, as amended by that certain First Amendment to Secured Loan Agreement, dated as of November 30, 2021 (as amended, the RCEF Loan Agreement”), pursuant to which the Authority has borrowed \$24,990,900 for the purpose of providing funds to pay or reimburse the Authority for a portion of the costs of the design, engineering and construction of the Transportation Project (defined herein); and

WHEREAS, the Authority has determined to enter into this Loan Agreement for the purpose of providing funds to refinance the obligations of the Authority under the RCEF Loan Agreement; and

WHEREAS, the Lender is willing to loan monies to the Authority in an aggregate principal amount of \$24,990,900, on the terms set forth in this Loan Agreement for such purposes; and

WHEREAS, the Note (defined herein) will be secured solely by a senior lien pledge of the Net Revenues; and, in addition, the obligation of the Authority to pay the Note and other obligations under the Loan Agreement shall be an unsecured obligation of the Authority payable from any legally available funds of the Authority;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Authority and the Lender hereby agree as follows:

ARTICLE I

FINDINGS AND DETERMINATIONS

The declarations, determinations and findings declared, made and found in the preamble and recitals to this Loan Agreement are hereby adopted, restated and made a part of the operative provisions hereof.

ARTICLE II

DEFINITIONS AND INTERPRETATIONS

2.1 Defined Terms. For purposes of this Loan Agreement, in addition to the terms defined elsewhere in this Loan Agreement, the following terms shall have the meanings set forth below:

“Act” shall mean Chapter 370 of the Texas Transportation Code.

“Affiliate” means with respect to a Person, any Person (whether for-profit or not-for-profit), that “controls,” or is “controlled” by, or is under common “control” with such Person. For purposes of this definition, a Person “controls” another Person when the first Person possesses or exercises directly, or indirectly through one or more other affiliates or related entities, the power to direct the management and policies of the other Person, whether through the ownership of voting rights, membership, the power to appoint members, trustees or directors, by contract, or otherwise. Without limiting the generality of the foregoing, a Person shall be deemed to be “controlled” by another Person if such other Person possesses, directly or indirectly, power to vote 50% or more the securities having ordinary voting power for the election of directors or the equivalent.

“Agreement” or “this Agreement” or “Loan Agreement” shall mean this Loan Agreement and any amendments, modifications and supplements hereto, any replacements, renewals, extensions and restatements hereof, and any substitutes herefor, in whole or in part, and all schedules and exhibits hereto, and shall refer to this Loan Agreement as the same may be in effect at the time such reference becomes operative.

“Annual Debt Service” shall have the meaning given to such term in Section 6.1(o).

“Anti-Corruption Laws” means all laws, rules and regulations of any jurisdiction applicable to the Authority from time to time concerning or relating to bribery or corruption.

“Authority” shall mean the Central Texas Regional Mobility Authority, a regional mobility authority created and organized pursuant to and in accordance with the provisions of Chapter 361, Texas Transportation Code, and operating pursuant to the Act.

“Authorized Officer” shall mean the Chairman, Vice Chairman, Secretary/Treasurer, the Executive Director, the Chief Financial Officer, or Controller of the Authority and any other officer or employee of the Authority designated in writing and authorized by the Board to take the action specified herein.

“Board” shall mean the Board of Directors of the Authority.

“Business Day” means a day on which the office of the Lender at which payments under the Note are to be made is open for business.

“Change in Law” means the occurrence, after the date of this Agreement, of any of the following: (a) the adoption or taking effect of any Law, (b) any change in any Law or in the administration, interpretation, implementation or application thereof by any Governmental Authority or (c) the making or issuance of any request, rule, guideline or directive (whether or not having the force of law) by any Governmental Authority; provided that notwithstanding anything herein to the contrary, (x) the Dodd-Frank Wall Street Reform and Consumer Protection Act and all requests, rules, guidelines or directives thereunder or issued in connection therewith and (y) all requests, rules, guidelines or directives promulgated by the Bank for International Settlements, the Basel Committee on Banking Supervision (or any successor or similar authority) or the United States or foreign regulatory authorities, in each case pursuant to Basel III, shall in each case be deemed to be a “Change in Law”, regardless of the date enacted, adopted or issued.

“Closing Date” shall mean the date the conditions set forth in Section 3.2 hereof are met.

“Code” shall mean the Internal Revenue Code of 1986, as amended, and, with respect to a specific section thereof, such reference shall be deemed to include (a) the Regulations promulgated under such section, (b) any successor provision of similar import hereafter enacted, (c) any corresponding provision of any subsequent Internal Revenue Code and (d) the regulations promulgated under the provisions described in (b) and (c).

“Default Rate” shall mean the Interest Rate plus 4.00% per annum, provided, however, the Default Rate shall never exceed the Highest Lawful Rate. Interest at the Default Rate shall be calculated on the basis of the actual number of days elapsed in a 360-day year.

“Determination of Taxability” shall be deemed to have occurred on the first to occur of the following:

(i) Authority Acknowledgement: on the date when the Authority files any statement, supplement statement or other tax schedule, return or document which discloses that a Taxable Event has occurred;

(ii) Opinion of Counsel: sixty days after Lender reasonably requests in writing that the Authority provide a written opinion by a nationally recognized firm of attorneys of substantial expertise on the subject of tax-exempt municipal finance confirming that interest on the Note is excludible from gross income for federal income tax purposes, unless the Authority delivers such an opinion to the Lender within such time;

(iii) IRS Notice to the Lender: on the date when the Authority receives written notice from the Internal Revenue Service (or any other government official or agent exercising the same or a substantially similar function from time to time) that, based upon filings of the Authority, or upon any review or audit of the Authority or upon any other ground whatsoever, a Taxable Event has occurred; or

(iv) IRS Notice to the Lender: on the date when the Authority receives written notice from the Lender that the Internal Revenue Service (or any other government official or agency exercising the same or a substantially similar function from time to time) has assessed the interest on the Note as includable in gross income for federal income tax purposes due to the occurrence of a Taxable Event;

provided, however, no Determination of Taxability shall occur under clause (iii) or (iv) of this definition unless the Authority has been afforded the reasonable opportunity, at its expense, to contest any such assessment, and, further, no Determination of Taxability will occur until such contest, if made, has been finally determined; provided further, however, that following any such final determination, upon demand from the Lender, the Authority will promptly reimburse the Lender for any payments, including any taxes, interest, or penalties the Lender was obligated to make to any governmental entity as a result of the Determination of Taxability (for the avoidance of doubt, the Lender may only receive reimbursement for payments actually made by the Lender and for which the Lender provides documentation demonstrating that such payments were made). To the extent the Authority reaches an agreement with the Internal Revenue Service in order to allow the Note to continue to be treated as tax-exempt, no Determination of Taxability shall be deemed to have occurred.

“Event of Default” shall have the meaning specified in Article IX hereof.

“General Fund” shall mean the MOPAC General Fund reestablished and affirmed in Section 5.1.

“Governmental Authority” means any federal, state or local government (whether domestic or foreign), any political subdivision thereof or any other governmental, quasi-governmental, judicial, public or statutory instrumentality, authority, body, agency, bureau or entity (the Federal Deposit Insurance Corporation or the Federal Reserve Council, any central bank or any comparable authority), or any arbitrator with authority to bind a party at law.

“Highest Lawful Rate” shall mean the highest lawful rate permitted under Chapter 1204, Texas Government Code, as amended.

“Interlocal Agreement” shall mean that certain Interlocal Agreement between the Authority and the Capital Area Metropolitan Planning Organization effective as of June 27, 2012, a copy of which is attached hereto as Exhibit B.

“Interest Payment” shall mean each of the payments of accrued and unpaid interest payable under this Loan Agreement.

“Interest Payment Date” shall mean (i) each July 1 and January 1, commencing on July 1, 2022 and (ii) each date on which all or a portion of the Outstanding Principal Amount of the Loan is prepaid pursuant to Section 3.6 with respect to the portion of the Outstanding Principal Amount that is being prepaid.

“Interest Rate” shall mean a per annum rate equal to 3.18%, with interest to be calculated on the basis of a 360-day year for the actual number of days elapsed.

“Investment Policy” shall mean the investment policy adopted by the Board on April 25, 2022, as the same may be amended from time to time.

“Laws” means, collectively, all international, foreign, Federal, state and local statutes, treaties, rules, guidelines, regulations, ordinances, codes and administrative or judicial precedents or authorities, including the interpretation or administration thereof by any Governmental Authority charged with the enforcement, interpretation or administration thereof, and all applicable administrative orders, directed duties, requests, licenses, authorizations and permits of, and agreements with, any Governmental Authority, in each case whether or not having the force of law.

“Lender” shall mean Regions Capital Advantage, Inc.

“Loan” shall mean the loan of funds made by the Lender to the Authority pursuant to the terms of this Agreement.

“Loan Payments” shall mean those certain payments consisting of (i) the Principal Repayments and (ii) the Interest Payments, to be made by the Authority to the Lender pursuant to and in accordance with the terms of this Agreement.

“Loan Proceeds” shall mean the proceeds of the Loan disbursed by the Lender to the Authority pursuant to and in accordance with the terms of this Agreement.

“Loan Repayment Fund” shall mean the MOPAC Loan Repayment Fund reestablished and affirmed in Section 5.1.

“Maintenance Expenses” shall mean the Authority’s reasonable and necessary expenses of repair and maintenance of the Transportation Project, including, without limiting the generality of the foregoing, periodic roadway resurfacing and repair, replacement of toll collection, vehicle identification, toll integration and video enforcement equipment and all administrative and engineering expenses relating to the repair and maintenance of the Transportation Project and any other expenses required to be paid by the Authority as shown in the annual maintenance budget for the Transportation Project.

“Net Revenues” shall mean, with respect to any period of calculation, the Revenues for such period after deducting the Maintenance Expenses and the Operating Expenses for such period.

“Note” shall mean the promissory note in substantially the form attached hereto as Exhibit A.

“Operating Expenses” shall mean the Authority’s reasonable and necessary expenses of operation of the Transportation Project, including, without limiting the generality of the foregoing, expenses for toll collection, all premiums for insurance and payments into any self-insurance reserve fund, all administrative and engineering expenses relating to operation of the Transportation Project, fees and expenses of traffic consultants, general engineering consultants, periodic fees or charges required to administer the Loan, legal expenses, expenses for public safety

officers and any other expenses required to be paid by the Authority as shown in the Authority's annual operating budget for the Transportation Project.

"Operating Fund" shall mean the MOPAC Operating Fund reestablished and affirmed in Section 5.1.

"Outstanding Principal Amount" shall mean at any time of determination the original Principal Amount of the Loan, less any Principal Repayments previously made by the Authority to the Lender.

"Person" means any individual, corporation, not for profit corporation, partnership, limited liability company, joint venture, association, professional association, joint stock company, trust, unincorporated organization, government or any agency or political subdivision thereof or any other form of entity.

"Principal Amount" shall mean \$24,990,900.

"Principal Repayments" shall mean each repayment of principal of the Outstanding Principal Amount payable under this Loan Agreement.

"Regulations" shall mean the applicable proposed, temporary or final Treasury Regulations promulgated under the Code or, to the extent applicable to the Code, under the Internal Revenue Code of 1954, as such regulations may be amended or supplemented from time to time.

"Resolution" shall mean the resolution approving this Loan Agreement, which was adopted by the Board on April 25, 2022.

"Revenue Fund" shall mean the MOPAC Revenue Fund reestablished and affirmed in Section 5.1.

"Revenues" shall mean all income and revenues derived from the operation of the Transportation Project, including (i) all Tolls received by or on behalf of the Authority, (ii) the proceeds of any insurance covering business interruption loss relating to the Transportation Project or a portion thereof, (iii) any liquidated damages for delayed completion under a construction contract relating to the Transportation Project or a portion thereof, (iv) any other sources of revenues or funds of the Authority that the Authority chooses to designate as "Revenues" pursuant to an official action of the board of directors of the Authority, and (v) the interest and income earned on the Loan Repayment Fund.

"Sanctions" shall mean economic or financial sanctions or trade embargoes imposed, administered or enforced from time to time by the U.S. government, including those administered by the Office of Foreign Assets Control of the U.S. Department of the Treasury or the U.S. Department of State.

"State" shall mean the State of Texas.

"Taxable Event" shall mean the occurrence or existence of any fact, event or circumstance (including, without limitation, the taking of any action by the Authority, or the failure to take any

action by the Authority, or the making by the Authority of any misrepresentation herein or in any certificate required to be given in connection with the execution and delivery of the Note) that, in the written opinion of bond counsel delivered to the Authority and the Lender, has the effect of causing interest paid or payable on the Note to be includable, in whole or in part, in gross income for federal income tax purposes.

“Tolls” shall mean all rates, rents, fees, charges, fines or other income derived by the Authority from the vehicular usage of the Transportation Project and the rights of the Authority to receive the same.

“Transportation Project” shall mean the MoPac Improvement Project, as more fully described in the Interlocal Agreement.

2.2 Interpretations. All terms defined herein and all pronouns used in this Loan Agreement shall be deemed to apply equally to the singular and plural and to all genders. This Loan Agreement and all the terms and provisions hereof shall be liberally construed to effectuate the purposes set forth herein and to sustain the validity of this Loan Agreement and the validity of the lien on and pledge of the Net Revenues to secure the Loan Payments as provided in Section 4.1 hereof. Wherever the term “including” or a similar term is used in this Loan Agreement, it shall be read as if it were written “including by way of example only and without in any way limiting the generality of the clause or concept referred to.” The headings used in this Loan Agreement are included for reference only and shall not be considered in interpreting, applying or enforcing this Loan Agreement. All cross-references to articles, sections, exhibits or schedules, unless otherwise specified, shall refer to the applicable articles, sections, exhibits or schedules of this Loan Agreement. The words “shall” and “will” as used in this Loan Agreement have the same meaning.

ARTICLE III

AMOUNT, PURPOSE AND AUTHORIZATION

3.1 Loan of Funds to the Authority. Subject to the full, complete and timely satisfaction by the Authority of each of the applicable conditions precedent set forth in Section 3.2, and for and in consideration of the Loan Payments and the covenants and agreements herein contained, the Lender will, on the Closing Date, disburse Loan Proceeds in the amount of \$24,990,900 by wire transfer in immediately available funds to the Authority. This Loan is not revolving. Amounts borrowed hereunder and repaid may not be reborrowed.

3.2 Conditions Precedent to Effectiveness of Loan Agreement and Making of the Loan.

(a) The effectiveness of this Loan Agreement and the obligation of the Lender to disburse Loan Proceeds on the Closing Date shall be subject to (i) the performance by the Authority of all of its covenants and obligations to be performed hereunder and under the Resolution at or prior to the Closing Date, (ii) the truth and accuracy in all material respects of the representations, warranties and covenants of the Authority contained herein as of the date hereof and as of the Closing Date and (iii) the receipt by the Lender at or prior to the Closing Date of the following:

(i) Legal Opinion. The approving opinion of the Authority's counsel addressed to the Lender, in form and substance reasonably acceptable to the Lender and its legal counsel to the effect that (a) the Authority has the authority under the laws of the State of Texas to execute and deliver the Loan Agreement and the Note (b) the Loan Agreement and the Note have been duly authorized, executed and delivered by the Authority, (c) the Loan Agreement and the Note are valid and binding obligations of the Authority, duly enforceable in accordance with their respective terms (except to the extent that such enforceability may be limited by bankruptcy, insolvency, reorganization and other laws affecting the rights of creditors of political subdivisions generally), and (d) interest on the Note is excludable from gross income of the holders thereof for federal income tax purposes.

(ii) Authority Certificate. A certificate of the Authority dated the Closing Date and signed by an Authorized Officer of the Authority, and in form and substance reasonably satisfactory to the Lender and its legal counsel, to the effect that (1) since the date of the Resolution no material adverse change has occurred in the financial position of the Authority or results of operations of the Authority; (2) since the date of the Resolution, the Authority has not incurred any material liabilities other than in the ordinary course of business or as disclosed in writing to the Lender; (3) to his knowledge, no event materially affecting the Authority has occurred since the date of the Resolution which has not been disclosed in writing to the Lender; (4) since the date of the Resolution, the designation of officers or employees as Authorized Officers has not changed; (5) to his knowledge, the representations, warranties and covenants included in this Loan Agreement are true and correct in all material respects as of the Closing Date and all covenants and obligations to be performed by the Authority under the Resolution and this Loan Agreement on or prior to the Closing Date have been performed; and (6) there is no material litigation against the Authority relating to the Note, the Loan Agreement or any related documents that would have a material affect on the Authority's operations or its ability to collect the Net Revenues or in any way materially impair the Authority's ability to repay its obligations under the Note and the Loan Agreement.;

(iii) Financing Documents. Executed counterparts of the Resolution, this Loan Agreement and the original executed Note; and

(iv) Corporate Documentation. To the extent requested by the Lender and not previously provided to the Lender, certified copies of all documents evidencing the Authority's creation and governance including, but without limitation, all bylaws, board of directors' authorizing resolutions and incumbency certificates.

(b) Evidence that the Authority has paid in full its obligations under the RCEF Loan Agreement and the related note.

3.3 Payment of Principal and Interest.

(a) Interest with respect to the Loan shall accrue at the Interest Rate from the Closing Date and continue until the Loan is repaid; provided, however, (i) upon a Determination of Taxability, the Interest Rate will be increased to a rate of interest, as determined by the parties, that would provide the Lender with an after-tax yield on the then Outstanding Principal Amount of the Loan from the date of the Event of Taxability at least equal to the after-tax yield the Lender would have received if the Determination of Taxability had not occurred; and (ii) if an Event of Default specified in Section 9.1 has occurred and is continuing, interest with respect to the Outstanding Principal Amount, or any portion thereof, shall accrue at the Default Rate as provided in Section 9.3. Interest Payments shall be due on the Interest Payment Dates. Interest shall be calculated on the basis of the actual number of days elapsed in a 360-day year.

(b) For value received, the Authority hereby promises (i) to pay interest to the Lender as provided herein on the Outstanding Principal Amount on the dates and at the rates provided in this Loan Agreement and the Note, and (ii) to make Principal Repayments to the Lender on the on July 1 in the years and in the principal amounts set forth in the following schedule:

<u>Year</u>	<u>Principal Amount</u>
2022	\$ 300,000
2023	925,000
2024	1,275,000
2025	1,400,000
2026	1,500,000
2027	19,590,900

3.4 Use of Proceeds. The Loan Proceeds shall be used by the Authority to refinance and pay the Authority's obligations under the RCEF Loan Agreement and the related note.

3.5 Making of Loan Payments. All Loan Payments shall be payable, without offset and without exchange or collection charges, in any coin or currency of the United States of America, which on the date of payment is legal tender for the payment of debts due in the United States of America. If the date for making any Loan Payment is not a Business Day, then the date for such payment shall be the next succeeding Business Day, and payment on such date shall have the same force and effect as if made on the original date such payment was due.

3.6 Prepayments.

(a) The Outstanding Principal Amount is subject to prepayment, at the option of the Authority, in whole or in part, in inverse order of maturity, on any date on or after May __, 2025 (the "Par Call Date"), at a price equal to the principal amount being prepaid plus accrued but unpaid interest thereon to the prepayment date.

(b) The Outstanding Principal Amount is subject to prepayment at the option of the Authority, in whole or in part, on any date prior to the Par Call Date, at a price equal to the Make-Whole Redemption Price. The "Make-Whole Redemption Price" is the greater of: (i) 100% of the

remaining principal amount of the Loan to be redeemed, or (ii) the sum of the present value of the remaining scheduled payments of principal and interest to the Par Call Date of the Loan to be redeemed, not including any portion of those payments of interest accrued and unpaid as of the date on which the Loan is to be redeemed, discounted to the date on which the Loan is to be redeemed on a semi-annual basis, assuming a 360-day year consisting of twelve 30-day months, at the Treasury Rate (as hereinafter defined) plus 49 basis points, plus, in each case, accrued and unpaid interest on the Loan to be redeemed on the redemption date. The “Treasury Rate” is, as of any redemption date, the yield to maturity as of such redemption date of United States Treasury securities with a constant maturity (as compiled and published in the most recent Federal Reserve Statistical Release H.15 that has become publicly available at least two (2) Business Days prior to the redemption date (excluding inflation indexed securities) (or, if Federal Reserve Statistical Release H.15 is no longer published, any publicly available source of similar market data)) most nearly equal to the weighted average remaining life of the principal installments to be redeemed as of the redemption date.

(c) The Authority shall notify the Lender in writing of any prepayment pursuant to subsections (a) and (b) above at least five Business Days prior to the prepayment date. Any such prepayment may be made from Net Revenues, the proceeds of the issuance of debt obligations or any other legally available funds of the Authority.

ARTICLE IV

SECURITY AND SOURCE OF PAYMENT FOR LOAN PAYMENTS;

ADDITIONAL OBLIGATIONS

4.1 Pledge and Source of Payment. The Note and the obligations under the Loan Agreement are secured by a senior lien pledge of the Net Revenues. In addition, the obligation of Authority to repay the Note and to make any other payment due under the Loan Agreement is an unsecured obligation of the Authority payable from any legally available funds of the Authority.

4.2 Evidence of Indebtedness and Security Agreement.

(a) A fully executed copy of this Loan Agreement and the Note shall evidence the indebtedness of the Authority as provided herein and shall constitute a security agreement pursuant to applicable law, with the Lender as the secured party. The grants, charge, lien, pledge and security interest of the Lender created herein shall become effective immediately upon and from the Closing Date, and the same shall be continuously effective for so long as the Loan, or any portion thereof, is outstanding.

(b) A fully executed copy of this Loan Agreement and the proceedings authorizing same shall be kept at all times by the Authority and shall be filed among the permanent records of the Authority. Such records shall be open for inspection, at all times during regular business hours, to any member of the general public and to any individual, firm, corporation, governmental entity or other person proposing to do or doing business with, or having or asserting claims against, the Authority.

4.3 Additional Obligations. The Authority reserves the right, with the prior written consent of the Lender, to issue or incur, for any lawful purpose, lines of credit or additional debt obligations payable from and secured, in whole or in part, by Net Revenues, on a parity with or subordinate to the pledge of and lien on Net Revenues securing the Loan, subject to and in accordance with the terms of the Interlocal Agreement. The Authority confirms that, except for the RCEF Loan Agreement and the related note that are being prepaid concurrently with the execution and delivery of the Loan Agreement and the Note, on the Closing Date the Authority has no other senior lien debt payable from Net Revenues.

4.4 Perfection of Security. Section 370.114 of the Texas Transportation Code applies to the aforementioned pledge of, and lien on, the Net Revenues, and such pledge and lien are, therefore, enforceable against any person or entity having a claim, in tort, contract, or other remedy, against the Authority without regard to whether such person or entity has notice of the pledge and lien created hereby. Should Texas law be amended or modified at any time while the Loan, or any portion thereof, is outstanding, the result of such amendment or modification being that the pledge of, and lien on, the Net Revenues is to be subject to the requirements of Chapter 9, Texas Business & Commerce Code (the "UCC"), in order to perfect the Lender's security interest in the Net Revenues created hereby, the Authority agrees to take such measures as the Lender determines are reasonably necessary to enable such perfection under the UCC.

ARTICLE V

CREATION OF FUNDS; APPLICATION OF LOAN PROCEEDS

5.1 Creation of Funds. There is hereby reestablished and affirmed in the Authority's name the following funds:

- (1) MOPAC Revenue Fund (the "Revenue Fund");
- (2) MOPAC Operating Fund (the "Operating Fund");
- (3) MOPAC Loan Repayment Fund (the "Loan Repayment Fund"); and
- (4) MOPAC General Fund (the "General Fund").

All of such funds shall be maintained at a depository bank of the Authority as a separate, segregated account, separate and apart from all other funds and accounts of the Authority, and shall be maintained and applied in the manner provided herein. The Authority reserves the right to establish one or more additional funds for such purposes as the Authority may determine from time to time. The Authority further reserves the right to establish one or more accounts and subaccounts within each fund including, without limitation, accounts and subaccounts for the purpose of accounting for debt obligation proceeds, Revenues and other amounts relating to additional debt obligations and for such other purposes as the Authority may determine from time to time. Each such account or subaccount within a fund shall be designated in a manner that indicates the identity of such fund and that distinguishes such account or subaccount from all other accounts and subaccounts established by the Authority.

5.2 Flow of Funds. All Revenues shall be deposited as received and accounted for by the Authority into the Revenue Fund. Amounts on deposit in the Revenue Fund shall be deposited in, or credited to, as appropriate, the following funds on the twenty-fifth (25th) day of each month (each, a “Transfer Date”) following the date of execution and delivery of this Loan Agreement in the following amounts in the following order of priority:

First, to the Operating Fund, an amount sufficient to make the balance in the Operating Fund equal to one-sixth (1/6) of the budgeted Operating Expenses and Maintenance Expenses for such fiscal year; provided, the monthly payment may be increased or decreased, as necessary, to reflect amendments to the budgeted Operating Expenses and Maintenance Expenses or to take into consideration amounts then on deposit in the Operating Fund.

Second, to the Loan Repayment Fund, an amount equal to the sum of the following:

(i) one-sixth of the amount of interest becoming due on the Loan on the next succeeding Interest Payment Date; provided, that with respect to the Interest Payment date occurring on July 1, 2022, the amount of interest payable on such date shall be deposited to the Loan Repayment Fund in equal monthly installments on the Transfer Dates in May and June, 2022; and

(ii) one-twelfth (1/12) of the principal amount of the Loan that will mature and become due and payable within the next twelve months; provided, that with respect to the Principal Repayment due on July 1, 2022, the amount of such Principal Repayment shall be deposited to the Loan Repayment Fund in equal monthly installments on the Transfer Dates in May and June 2022.

In calculating such monthly deposit to the Loan Repayment Fund the Authority may take into account (a) any amounts deposited to the Loan Repayment Fund by the Authority from any source (other than the Revenue Fund) on or prior to the Transfer Date and (b) any investment income realized by the Authority from the investment of amounts on deposit in the Loan Repayment Fund.

On or before each Transfer Date, the Authority shall make up any deficiencies in deposits to the Loan Repayment Fund on prior Transfer Dates from and to the extent monies remain on deposit in the Revenue Fund.

Third, to such funds and accounts as may be established by the Authority in connection with subordinate lien debt obligations entered into by the Authority, such amounts as may be required by the instruments establishing and relating to such subordinate lien debt obligations; and

Fourth, to the General Fund all amounts remaining on deposit in the Revenue Fund.

5.3 MOPAC Operating Fund. There shall be deposited to the Operating Fund such amounts as are required pursuant to Section 5.2. The Authority reserves the right to deposit to the Operating Fund such other amounts as it deems necessary or desirable from any funds of the Authority that are lawfully available for such purpose. Amounts on deposit in the Operating Fund shall be applied by the Authority, from time to time, to pay Operating Expenses and Maintenance Expenses of the Transportation Project. In making payments from the Operating Fund, the Authority shall be deemed to be certifying that obligations in such amounts have been incurred by

the Authority and that each item was properly incurred in operating the Transportation Project and has not been previously paid.

5.4 MOPAC Loan Repayment Fund. There shall be deposited to the Loan Repayment Fund such amounts as are required pursuant to Section 5.2. The Authority reserves the right to deposit to the Loan Repayment Fund such other amounts as it deems necessary or desirable from any funds of the Authority that are lawfully available for such purpose. The Authority shall pay out of the Loan Repayment Fund to the Lender (a) on or before each Interest Payment Date, the amount required for the payment of the interest becoming due on such Interest Payment Date and (b) on or before each date on which principal matures or becomes payable pursuant to an optional prepayment of the Loan, in whole or in part, by the Authority, the amount required for payment of the principal amount maturing or being prepaid on such date.

If at the time the Authority is required to make a withdrawal from the Loan Repayment Fund the moneys therein shall not be sufficient for such purpose, the Authority shall withdraw the amount of such deficiency from the moneys on deposit in the following funds and transfer the same to the Loan Repayment Fund in the following order: the Revenue Fund and the General Fund. Any amounts on deposit in the Loan Repayment Fund on the Closing Date relating to the RCEF Loan Agreement shall be transferred to the General Fund.

5.5 MOPAC General Fund. Moneys in the General Fund shall be used by the Authority as provided in Section 5.4 to restore deficiencies in the Loan Repayment Fund. Notwithstanding the foregoing, moneys in the General Fund may be expended by the Authority at any time for any of the following purposes, with no one item having priority over any of the others:

- (a) to make payments under, or to reimburse the Authority for payments made by the Authority under, the Interlocal Agreement;
- (b) to pay Maintenance Expenses and Operating Expenses;
- (c) to fund or reimburse costs of improvements, extensions and replacements of the Transportation Project; or
- (d) for any other lawful purpose.

5.6 Investment of Funds; Transfer of Investment Income. Money in the Revenue Fund, Operating Fund, Loan Repayment Fund, and General Fund may, at the option of the Authority, be invested as permitted by applicable law and in accordance with the Authority's Investment Policy; provided that all such investments shall be made in such manner that the money within such fund will be available at the time or times required for the disbursement of such amounts from such fund in accordance with the requirements of this Agreement. Any such investment shall be kept and held in such fund. All such investments shall be promptly sold when necessary to provide for the payment of amounts due hereunder. All interest and/or income derived from such investments shall be credited, as received, to such fund.

ARTICLE VI

COVENANTS OF THE AUTHORITY

6.1 General Covenants of the Authority. The Authority agrees, promises and covenants with and to the Lender, as follows:

(a) The Authority will (i) make or cause to be made each Loan Payment when due, according to the terms of this Loan Agreement, (ii) deposit or cause to be deposited at the times and in the manner prescribed by this Loan Agreement, the amounts of money to the accounts specified herein, and (iii) faithfully do and perform, and at all times observe, the agreements, promises, covenants, undertakings, stipulations and provisions contained in this Loan Agreement, the Note and the related documents.

(b) The Authority will provide the Lender, upon any Authorized Officer having actual knowledge thereof, with notice of any Event of Default hereunder or any event that, with the passage of time, the giving of notice, or both, would constitute or become an Event of Default.

(c) Commencing with the fiscal year ending June 30, 2022, the Authority will deliver to the Lender no later than 180 days after the end of each fiscal year of the Authority for so long as the Loan or any portion thereof remains outstanding (i) the audited financial statements of the Authority as of and for the period ended as of the most recently completed fiscal year of the Authority, prepared in accordance with generally accepted accounting principles or such other accounting principles as the Authority may be required to employ from time to time pursuant to State law or regulation, together with an opinion from an independent certified public accountant, or independent firm of certified public accountants, with respect thereto; provided, that the auditor's opinion shall not contain a qualification (A) to the effect that the Authority is not a going concern or (B) on account of a limitation of scope within the control of the Authority and (ii) internally prepared income statements for the Transportation Project.

(d) The Authority shall, no later than 30 days following the end of each month following the Closing Date and for so long as the Loan or any portion thereof remains outstanding, post on its website monthly financial statements.

(e) The Authority shall at any and all times, so far as it may be authorized by law, pass, make, do, execute, acknowledge and deliver, all and every such further resolutions, acts, deeds, conveyances, assignments, transfers and assurances as may be necessary or desirable to effect the transactions contemplated by this Loan Agreement assuring, conveying, granting, assigning, securing and confirming all and singular Lender's rights in and to the Net Revenues and other moneys, securities, funds and accounts, if any, hereby pledged or assigned, or intended so to be pledged or assigned, or which the Authority may become bound to pledge or assign, and the Net Revenues and other moneys, securities, funds and accounts, if any, so pledged are and will be free and clear of any pledge, lien, charge or encumbrance thereon or with respect thereto superior to, or on parity with, the pledge created by this Loan Agreement, other than as permitted by such documents, and all corporate action on the part of the Authority to that end has been duly and validly taken or will be duly and validly taken when required. This Loan Agreement and the Note are and will be valid and legally enforceable obligations of the Authority in accordance with their

terms. The Authority shall at all times, to the extent permitted by law, defend, preserve and protect the pledge of the Net Revenues and other moneys, securities, funds and accounts, if any, pledged hereunder and all the rights of the Lender hereunder against all claims and demands of all persons whomsoever.

(f) The Authority shall, within five (5) Business Days after the Authority learns of the occurrence, provide the Lender notice of any of the following events, setting forth details of such event:

(i) Events of Defaults - any Event of Default or any event which, given notice or the passage of time or both, would constitute or become an Event of Default by the Authority;

(ii) Litigation - the filing of any litigation, suit or action, or delivery to the Authority of any written claim, which could reasonably be expected to have a material adverse effect upon the Authority's revenues or expenses, or upon the Authority or its performance hereunder or under the Note; and

(iii) Other Adverse Events - the occurrence of any other event or condition which could reasonably be expected to have a material adverse effect upon the Authority or its performance hereunder or under the Note.

(g) Within thirty (30) days after an event specified in Section 6(f) above, the Authority shall provide a statement of an Authorized Officer setting forth the actions the Authority proposes to take with respect thereto.

(h) So long as the Loan, or any portion thereof, is outstanding, the Authority shall not extinguish the lien of this Loan Agreement (or any related UCC financing statement filed with respect thereto) with respect to the Note and the Net Revenues.

(i) So long as the Loan, or any portion thereof, is outstanding, the Authority shall not enter into any amendment or other modification of the Interlocal Agreement without the prior written consent of the Lender (which consent shall not be unreasonably withheld, conditioned or delayed) if such amendment or modification would adversely affect the rights of the Lender under this Loan Agreement.

(j) The Authority shall use its good faith efforts to maintain its existence as a regional authority and political subdivision of the State and shall not consolidate with or merge into any other person or entity unless provision is made for the payment of the Loan Payments required hereunder.

(k) When and to the extent required by applicable law, the Authority shall obtain and thereafter maintain at all times all licenses, permits or other approvals required for the overall operations of the Authority.

(l) The Authority shall pay when due from Net Revenues or other available funds the Note and other obligations of the Authority.

(m) The Authority will maintain its right to operate, maintain and collect Revenues from the Transportation Project.

(n) The Authority shall only invest its Revenues as provided by Texas law and the Authority's Investment Policy.

(o) The Authority hereby covenants that it will at all times budget and collect rates for services rendered by the Transportation Project as required by applicable Law. Additionally, the Authority shall budget and collect rates from services on the Transportation Project reasonably estimated to produce Net Revenues in an amount equal to 120% of the aggregate amount required to be paid in such year for principal and interest on all outstanding senior lien debt ("Annual Debt Service") of the Transportation Project. In the event that the 120% rate covenant is not met at the end of any fiscal year-end of the Authority, the Authority will engage a traffic and revenue consultant and implement such Consultant's recommendations for the following fiscal year. Failure by the Authority to produce Net Revenues in an amount equal to or greater than 120% of Annual Debt Service for two consecutive fiscal years shall constitute an Event of Default hereunder. Further, if the Authority shall become legally liable for any other indebtedness payable from the Revenues, the Authority will fix and maintain rates and collect charges for the services of the Transportation Project sufficient to discharge such indebtedness.

6.2 Federal Income Tax Matters Relating to the Note.

(a) General. The Authority covenants not to take any action or omit to take any action that, if taken or omitted would cause the interest on the Note to be includable in gross income for federal income tax purposes. In furtherance thereof, the Authority covenants to comply with sections 103 and 141 through 150 of the Code and the provisions set forth in the Federal Tax Certificate executed by the Authority in connection with the Note.

(b) No Private Activity Bonds. The Authority covenants that it will use the proceeds of the Note (including investment income) and the property financed, directly or indirectly, with such proceeds so that the Note will not be a "private activity bond" within the meaning of section 141 of the Code. Furthermore, the Authority will not take a deliberate action (as defined in section 1.141-2(d)(3) of the Regulations) that causes the Note to be a "private activity bond" unless it takes a remedial action permitted by section 1.141-12 of the Regulations.

(c) No Federal Guarantee. The Authority covenants not to take any action or omit to take any action that, if taken or omitted, would cause the Note to be "federally guaranteed" within the meaning of section 149(b) of the Code, except as permitted by section 149(b)(3) of the Code.

(d) No Hedge Bonds. The Authority covenants not to take any action or omit to take action that, if taken or omitted, would cause the Note to be a "hedge bond" within the meaning of section 149(g) of the Code.

(e) No Arbitrage Bonds. The Authority covenants that it will make such use of the proceeds of the Note (including investment income) and regulate the investment of such proceeds of the Note so that the Note will not be an "arbitrage bond" within the meaning of section 148(a) of the Code.

(f) Required Rebate. The Authority covenants that, if the Authority does not qualify for an exception to the requirements of section 148(f) of the Code, the Authority will comply with the requirement that certain amounts earned by the Authority on the investment of the gross proceeds of the Note, be rebated to the United States.

(g) Information Reporting. The Authority covenants to file or cause to be filed with the Secretary of the Treasury an information statement concerning the Note in accordance with section 149(e) of the Code.

(h) Record Retention. The Authority covenants to retain all material records relating to the expenditure of the proceeds (including investment income) of the RCEF Loan Agreement and the related promissory note and the Note and the use of the property financed, directly or indirectly, thereby until three years after the Note is prepaid or paid at maturity (or such other period as provided by subsequent guidance issued by the Department of the Treasury) in a manner that ensures their complete access throughout such retention period.

(i) Favorable Opinion of Bond Counsel. Notwithstanding the foregoing, the Authority will not be required to comply with any of the federal tax covenants set forth above if the Authority has received an opinion of nationally recognized bond counsel that such noncompliance will not adversely affect the excludability of interest on the Note from gross income for federal income tax purposes.

(j) Continuing Compliance. Notwithstanding any other provision of this Loan Agreement, the Authority's obligations under the federal tax covenants set forth in this Section 6.1 will survive the defeasance and discharge of the Note for as long as such matters are relevant to the excludability of interest on the Note from gross income for federal income tax purposes.

ARTICLE VII

REPRESENTATIONS AND WARRANTIES

7.1 Warranties and Representations of the Authority. To induce the Lender to enter into this Loan Agreement and to make the Loan, the Authority hereby represents and warrants to the Lender as follows:

(a) Due Organization: Existence. The Authority is (i) a regional mobility authority and a political subdivision of the State, (ii) created and organized pursuant to and in accordance with the provisions of Chapter 361, Texas Transportation Code, and (iii) operating pursuant to the Act.

(b) Authority. The Authority has full right, power and authority to execute, deliver and perform its obligations under this Loan Agreement and the Note and to consummate the transactions contemplated by this Loan Agreement and the Note.

(c) Due Authorization. Pursuant to the Texas Constitution, general laws of the State of Texas and Chapter 370 Texas Transportation Code, the Authority has duly authorized all necessary action to be taken by it for (i) the execution and delivery of this Loan Agreement and (ii) the execution, delivery and receipt of any and all such other agreements and documents as may be required to be executed, delivered and received by the Authority in order to carry out, give

effect to and consummate the transactions contemplated by this Loan Agreement, including but without limitation the Note. The Resolution (i) was duly and lawfully adopted by the duly appointed Board of Directors of the Authority at a meeting with respect to which notice was given as required by law and at which a quorum was in attendance, (ii) has not been amended, repealed, rescinded, supplemented or otherwise modified since the date thereof and no resolution conflicting with the terms of the Resolution has been adopted since the adoption of the Resolution and (iii) is now in full force and effect.

(d) Execution and Enforceability. On the Closing Date, the Resolution will be in full force and effect and will constitute the legal and valid act of the Authority, and this Loan Agreement and the Note will have been duly executed and delivered by the Authority, and, assuming the due authorization, execution and delivery of such instruments by the other parties thereto and their authority to perform such instruments, this Loan Agreement and the Note will constitute the legal, valid and binding obligation of the Authority, enforceable in accordance with their terms (except to the extent that such enforceability may be limited by bankruptcy, insolvency, reorganization and other laws affecting the rights of creditors of political subdivisions generally).

(e) No Conflict. The authorization, execution and delivery by the Authority of this Loan Agreement and any other documents contemplated hereby (including but without limitation the Note) and compliance by the Authority with the provisions of such documents do not and will not conflict with or constitute on the part of the Authority a breach of or a default under any provision of the Constitution of the State or any existing law, administrative regulation, or any court or administrative decree or order issued wherein the Authority is a party, or any agreement, indenture, mortgage, lease or other instrument entered into by the Authority by which the Authority or its properties are, or on the Closing Date will be, bound, or result in the creation or imposition of any prohibited lien, charge or encumbrance of any nature whatsoever upon any of the property or assets of the Authority, or conflict with the organizational documents of the Authority.

(f) No Adverse Actions. Except as otherwise disclosed to the Lender in writing, to the knowledge of the Authority, there is no action, suit, proceeding, inquiry or investigation at law or in equity before or by any court, public board or body pending against or affecting the Authority or threatened against or affecting the Authority or contesting the due organization and valid existence of the Authority or the validity of the Act or wherein an unfavorable decision, ruling or finding would adversely affect (i) the transactions contemplated hereby or by the Resolution or the validity or due adoption of the Resolution or the validity, due authorization and execution of this Loan Agreement or any agreement or instrument or to which the Authority is a party and which is used or contemplated for use in the consummation of the transactions contemplated hereby (including but without limitation the Note); or (ii) the condition or operations of the Authority or the collection of Revenues by the Authority or on behalf of the Authority.

(g) No Consent. No consent or approval of any trustee, holder of any indebtedness of the Authority or any other person, and no consent, approval, permission, authorization, order or license of, or filing or registration with, any governmental entity is necessary in connection with the execution and delivery of this Loan Agreement or the Note, the consummation of any transaction herein contemplated, or the fulfillment of or compliance with the terms and conditions hereof, except as have been obtained or given and as are in full force and effect.

(h) No Defaults. The Authority will not be in default under the terms and provisions of this Loan Agreement on the Closing Date, and the Authority will not be, on the Closing Date, in default under any other agreement, indenture, lease, deed of trust, note or other instrument entered into by the Authority or by which it or its properties are or may be bound, which would have a material adverse effect on the condition of the Authority, financial or otherwise, or otherwise materially affect its ability to perform its covenants and obligations under this Loan Agreement.

(i) Validity. This Loan Agreement, when executed and delivered, will have been duly authorized, executed and delivered and will constitute the legal, valid and binding obligation of the Authority entitled to the benefits and rights hereof; further, this Loan Agreement establishes the valid pledge of and lien on the Net Revenues which it purports to create, and such pledge and lien are in full force and effect.

(j) No Prior Liens. Except to the extent set forth in or contemplated in the Interlocal Agreement, the Authority has never issued, assumed, guaranteed or otherwise become liable in respect of any bonds, notes, contracts, arrangements or obligations of any kind whatsoever that might give rise to any lien or encumbrance on the Net Revenues.

(k) No Change. Except as disclosed in writing to the Lender, the Authority has not incurred any liabilities or entered into any transactions, not in the ordinary course of business, that are material to the affairs of the Authority since the date of the Resolution, and there has not been any material change in the financial structure of the Authority or any material change in the conditions or general affairs of the Authority since the date of the Resolution.

(l) Tax Matters. Neither the Authority nor the income of the Authority is subject to taxation under the Internal Revenue Code of 1986, as amended, or any taxation imposed by the State or any political subdivision thereof, and the delivery of the Loan Agreement and Note by the Authority is not subject to any transfer or other documentary or stamp taxes of the State or any political subdivision thereof.

(m) Payment of Indebtedness. The indebtedness of the Authority under this Loan Agreement and the Note is expected to be paid in full over their term from the Net Revenues and other available revenues of the Authority.

Any inquiry undertaken by or on behalf of the Lender shall not affect the Lender's ability to rely on the representations and warranties set forth herein.

ARTICLE VIII

INVESTMENTS; SECURITY

8.1 Investment of Deposits. The Authority may place amounts on deposit in the Loan Repayment Fund (including investment earnings thereon) in time deposits or invest the same as authorized by applicable law and the Authority's Investment Policy.

8.2 Security for Deposits. All deposits authorized or required by this Loan Agreement shall be secured to the fullest extent required by applicable law for the security of public funds.

ARTICLE IX

EVENTS OF DEFAULT

9.1 Events of Default. Each of the following occurrences or events, for the purpose of this Loan Agreement, shall be an Event of Default:

(a) failure to make any payment of debt service on any outstanding indebtedness owed by the Authority to the Lender including, but without limitation, any Loan Payment (or portion thereof) when due and payable;

(b) default in the performance or observance of any other covenant, agreement or obligation of the Authority expressly set forth in this Loan Agreement, and/or the Note and the continuation thereof for a period of thirty (30) days after written notice of such default is given by the Lender to the Authority;

(c) any representation or warranty made to the Lender by the Authority herein shall be determined to have been materially false, incorrect or incomplete when made;

(d) the Authority shall fail to maintain its existence as a political subdivision of the State without making provision for the repayment of its outstanding indebtedness (including but without limitation the Loan) or shall admit its inability to generally pay its debts as they mature, or shall make an assignment for the benefit of its creditors; or there shall be commenced against or by the Authority proceedings in bankruptcy, or for reorganization of the Authority, or for the readjustment of any of its debts under the United States Bankruptcy Code, as amended or any proceeding under any other applicable laws, whether state or federal, for the relief of debtors, or for a receiver of the Authority or any substantial part of its property, and, except with respect to any such proceedings instituted by the Authority, such proceedings shall not be discharged within sixty (60) days after their commencement;

(e) the Authority shall suffer a final judgment for the payment of money in excess of \$5,000,000 payable from Net Revenues and shall not discharge the same within a period of sixty (60) days following such judgment unless, pending further proceedings, execution upon such judgment has not been commenced or, if commenced, has been effectively stayed; or

(f) a judgment or other creditor of the Authority shall obtain, or seek to obtain, possession of the Net Revenues by levy, seizure or attachment.

9.2 Remedies Upon Default. Notwithstanding any other provision of this Loan Agreement and/or the Note to the contrary, and to the extent permitted by applicable law, upon the occurrence of any Event of Default hereunder, then and in every case, the Lender may declare the Outstanding Principal Amount and accrued but unpaid interest hereunder to be immediately due and payable, and the Lender may proceed against the Authority for the purpose of protecting and enforcing the Lender's rights under this Loan Agreement and/or the Note, including (but not

limited to) enforcing the pledge of, security interest in and lien and charge on the Net Revenues against all parties in possession of any Net Revenues at any time, by mandamus or other suit, action or special proceeding in equity or at law, in any court of competent jurisdiction, for any relief permitted by applicable law, including (but not limited to) the specific performance of any covenant, obligation or agreement contained under this Loan Agreement and/or the Note, or thereby to enjoin any act or thing that may be unlawful or in violation of any right of the Lender hereunder or thereunder, or any combination of such remedies as the Lender, in its sole discretion, shall determine.

9.3 Default Rate. Upon the occurrence and during the continuance of an Event of Default under this Loan Agreement and/or the Note, the entirety of the Outstanding Principal Amount shall bear interest at the Default Rate, subject to the provisions of Section 12.12 herein.

9.4 No Waiver. No failure on the part of the Lender to exercise, and no delay on the part of the Lender in exercising, any right hereunder shall operate as a waiver thereof; nor shall any single or partial exercise of any such right preclude any other or further exercise thereof or the exercise of any other right. All rights and remedies of the Lender under this Loan Agreement and/or the Note are cumulative and concurrent and are in addition to, and not exclusive of, any rights or remedies afforded the Lender under any applicable law.

ARTICLE X

DISCHARGE; TERMINATION

10.1 Discharge By Payment. When all of the amounts due or to become due under this Loan Agreement and/or the Note have been paid in full by or on behalf of the Authority, this Loan Agreement shall terminate, the Authority's obligations and the lien on Net Revenues under this Loan Agreement shall be discharged and released and the Lender shall execute and deliver to the Authority such releases or other instruments as are reasonably required to release such lien or otherwise evidence such discharge.

ARTICLE XI

NOTICE

11.1 Notice. Any notice, demand, direction, request or other instrument authorized or required by this Loan Agreement to be given or filed with the Authority or the Lender shall be in writing and shall be deemed to have been given three (3) Business Days after mailing only upon receipt by the party to whom such is directed. Any such notice shall be sent by first class mail, postage prepaid, to the address specified below, or to such other address as may be designated in writing by the parties:

Authority: Central Texas Regional Mobility Authority
3300 N IH-35, Suite 300
Austin, TX 78705
Attention: Chief Financial Officer

Lender: Regions Capital Advantage, Inc.

Attention: _____

ARTICLE XII

MISCELLANEOUS

12.1 Legal Holidays. If the date fixed for making any Loan Payment is not a Business Day, then payment need not be made on such date, but may be made on the next succeeding day which is a Business Day with the same force and effect as if made on the date fixed for payment, and no interest shall accrue on such Loan Payment for the period of time from the dated fixed for payment to the date of actual payment.

12.2 No Recourse Against Authority Officials. No recourse shall be had for the making of Loan Payments or for any claim based thereon or on this Loan Agreement against any Authorized Officer, any other official or representative of the Authority or any person executing this Loan Agreement on behalf of the Authority.

12.3 Authority Successors and Assigns. Whenever in this Loan Agreement the Authority is named and referred to it shall be deemed to include its successors and assigns, and all covenants, obligations and agreements in this Loan Agreement by or on behalf of the Authority, except as otherwise provided herein, shall bind and inure to the benefit of its successors and assigns whether or not so expressed.

12.4 Benefit of Agreement Provisions. Nothing in this Loan Agreement, express or implied, shall give or be construed to give any person, firm or corporation, other than the Authority and the Lender, any legal or equitable right or claim under or in respect of this Loan Agreement, the Note, or under any covenant, condition or provision herein or therein contained, such covenants, conditions or provisions being for the sole benefit of the Authority and the Lender.

12.5 Further Proceedings. The Authorized Officers and other appropriate officials of the Authority are hereby authorized and directed to do any and all things necessary and/or convenient to carry out the terms and provisions of this Loan Agreement.

12.6 Increased Costs and Reduced Return. If at any time after the date hereof, the Lender (which shall include, for purposes of this Section, any entity controlling the Lender) determines a (i) Change in Law has occurred resulting in changes to the Lender's required levels of reserves, deposits, insurance or capital (including any allocation of capital requirements or conditions), or similar requirements, or any interpretation or administration thereof by any court or applicable authority or compliance by the Lender with any of such requirements, has the effect of (a) increasing the Lender's costs relating to the Loan and the Note, or (b) reducing the yield or rate of return of the Lender on the Loan and the Note, to a level below that which the Lender could have achieved but for the adoption or modification of any such requirements, then the Authority, to the extent permitted by law, shall pay to the Lender, within sixty (60) days of any written request (specifying in reasonable detail the basis for and calculation of such additional amounts) by the

Lender such additional amounts as will compensate the Lender for such increase in costs or reduction in yield or rate of return of the Lender. The Lender shall make such demand as soon as reasonably possible upon becoming aware of such determination; provided, however, no failure by the Lender to promptly demand payment of any additional amounts payable hereunder shall constitute a waiver of the Lender's right to demand payment of such amounts at any subsequent time. Nothing herein contained shall be construed or so operate as to require the Authority to pay any interest, fees, costs or charges greater than is permitted by applicable law.

12.7 Anti-Corruption Laws. To the undersigned's knowledge, the Authority and its board members, officers and employees are in compliance with Anti-Corruption Laws and applicable Sanctions in all material respects. To the knowledge of the Authority, no use of proceeds or other transaction contemplated by this Agreement will be used in a manner that would violate Anti-Corruption Laws or applicable Sanctions.

12.8 Severability. To the extent any provision of this Loan Agreement is prohibited by or invalid under applicable law, such provision shall be ineffective to the extent of such prohibition or invalidity, without invalidating the remainder of such provision or the remaining provisions of this Loan Agreement.

12.9 Counterparts. This Loan Agreement may be executed in any number of counterparts with the same force and effect as if there were only one single instrument. If counterparts of this Loan Agreement are executed, the signatures of the parties affixed thereto may be combined and treated and given effect for all purposes as a single instrument.

12.10 Open Meeting. The Authority hereby officially finds and determines that the meeting at which this Loan Agreement and corresponding Note was approved was open to the public, and that public notice of the time, place and purpose of such meeting was given, all as required by the Texas Open Meetings Act.

12.11 Governing Law. THIS LOAN AGREEMENT SHALL BE CONSTRUED IN ACCORDANCE WITH AND GOVERNED BY THE LAWS OF THE STATE OF TEXAS, WITHOUT REGARD TO SUCH STATE'S CONFLICTS OF LAWS PRINCIPLES.

12.12 Usury Savings.

(a) Notwithstanding anything contained herein or in the Note to the contrary, to the extent permitted by law, (i) if at any time the Interest Rate or Default Rate, as the case may be, exceeds the Highest Lawful Rate, then (x) interest at the Highest Lawful Rate shall be due and payable and (y) interest at the rate equal to the difference between (A) the applicable rate and without regard to the limitation of this Section 12.12 and (B) the Highest Lawful Rate (the "Excess Interest Amount") shall be deferred until such date as the applicable rate ceases to exceed the Highest Lawful Rate, at which time the Authority shall pay to the Lender, with respect to amounts then payable to the Lender that are required to accrue interest hereunder, such portion of the Excess Interest Amount as will cause the rate of interest then paid to the Lender to equal the Highest Lawful Rate, which payments of the Excess Interest Amount shall continue to apply to such unpaid amounts hereunder and under the Note, to the greatest extent permitted by law, until all Excess Interest Amount is fully paid to the Lender; provided, however, that no payment of any portion of

the Excess Interest Amount shall occur after the final maturity of the Note. Upon the termination of this Agreement, to the extent permitted by applicable law, in consideration for the limitation of the rate of interest otherwise payable hereunder, the District shall pay to the Lender a fee equal to the amount of all unpaid portions of the Excess Interest Amount; provided, that such fee shall not cause the net effective interest rate on the Note to exceed the Highest Lawful Rate.

(b) The provisions of this Section 12.12 shall control over any provision of this Loan Agreement with which it may be in conflict, notwithstanding that such other provision may provide that it controls.

12.13 Amendments. No amendment of any term or provision hereof shall be effective unless it is in writing and signed by the Lender and the Authority.

12.14 Entirety. This Loan Agreement and corresponding Note embodies the entire agreement among the parties regarding the subject matter hereof and thereof and supersede all prior agreements and understandings, if any, relating to the subject matter hereof and thereof. WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, THIS LOAN AGREEMENT AND CORRESPONDING NOTE REPRESENT THE FINAL AGREEMENT AMONG THE PARTIES AS TO THE SUBJECT MATTER HEREOF AND THEREOF AND MAY NOT BE CONTRADICTED BY EVIDENCE OF PRIOR, CONTEMPORANEOUS OR SUBSEQUENT ORAL AGREEMENTS OF THE PARTIES; AND THERE ARE NO UNWRITTEN ORAL AGREEMENTS AMONG THE PARTIES.

12.15 Fees and Expenses. The Authority hereby agrees to pay all costs and expenses of the Authority incurred in connection herewith, including but without limitation the reasonable fees and expenses of the Lender's legal counsel, in an amount not to exceed \$20,000.

12.16 Privately Negotiated Loan. The Lender acknowledges and agrees as follows:

- (i) the Note will not be rated by any municipal securities rating agency;
- (ii) the Note will not bear or be assigned any CUSIP number;
- (iii) the Note will not be registered with The Depository Trust Company or other securities depository;
- (iv) the Note will not be executed and delivered pursuant to any type of offering document or official statement;
- (v) the Authority has furnished the Lender with all necessary information desired for the Lender to make an informed decision concerning the disbursement of Loan Proceeds to the Authority, and the Lender has made such inspections and investigations as deemed necessary by it to determine the quality of the Note and assess all risks associated with the disbursement of Loan Proceeds to the Authority and the Lender's ownership of the Note; and
- (vi) the Note is to be held for the account of the Lender as evidence of a privately negotiated loan (and not on behalf of another), and the Lender has no present intention of

reselling or assigning the Note or dividing the interest therein, either currently or after the passage of a fixed or determinable period of time or upon the occurrence or nonoccurrence of any predetermined event or circumstance.

12.17 Patriot Act. The Lender is subject to the Patriot Act (as hereinafter defined) and hereby notifies the Authority that pursuant to the requirements of the USA PATRIOT Act (Title III of Pub. L. 107-56 (signed into law October 26, 2001)), the Lender is required to obtain, verify, and record information that identifies the Authority which information includes the name and address of the Authority and other information that will allow the Lender to identify the Authority in accordance with the Patriot Act.

12.18 Waiver of Jury Trial. To the extent permitted by applicable law, each of the Authority and the Lender irrevocably and voluntarily waives any right it may have to a trial by jury with respect to any controversy or claim between the Authority and the Lender, whether arising in contract or tort or by statute, including but not limited to any controversy or claim that arises out of or relates to this Loan Agreement, the Note or the transactions contemplated herein and therein.

12.19 Transfer. The Lender currently intends to hold the Loan Agreement and Note within its loan portfolio, however, the Lender shall maintain the right to transfer and/or assign, in whole or in part, its rights hereunder, under the laws of the State of Texas, or, in either case, any interest therein, to any person or entity in its sole and absolute discretion. The Authority may not assign its rights hereunder or under Loan Agreement or Note to any person without the prior written consent of the Lender.

12.20 EMMA Posting. Except as otherwise required by applicable law, rule or regulation, Authority shall not file or submit, or permit the filing or submission, of all or any portion of the Loan Agreement, the Note or any related document (containing any proprietary information of the Lender) with the Municipal Securities Rulemaking Board's Electronic Municipal Market Access system (or any successor continuing disclosure vehicle) unless such document or portion thereof, as applicable, to be so filed or submitted (i) has been submitted to the Lender in advance of such filing or submission and (ii) shall have been redacted to the extent required by the Lender.

12.21 Compliance with Texas Government Code.

(a) The Lender hereby verifies that it and its parent company, wholly- or majority-owned subsidiaries, and other affiliates, if any, do not boycott Israel and, to the extent this Agreement is a contract for goods or services, will not boycott Israel during the term of this Agreement. The foregoing verification is made solely to comply with Section 2271.002, Texas Government Code, and to the extent such Section does not contravene applicable Federal law. As used in the foregoing verification, "boycott Israel" means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory, but does not include an action made for ordinary business purposes. The Lender understands "affiliate" to mean an entity that controls, is controlled by, or is under common control with the Lender and exists to make a profit.

(b) The Lender represents that neither it nor any of its parent company, wholly- or majority-owned subsidiaries, and other affiliates is a company identified on a list prepared and maintained by the Texas Comptroller of Public Accounts under Section 2252.153 or Section 2270.0201, Texas Government Code, and posted on any of the following pages of such officer's internet website:

<https://comptroller.texas.gov/purchasing/docs/sudan-list.pdf>,
<https://comptroller.texas.gov/purchasing/docs/iran-list.pdf>,
<https://comptroller.texas.gov/purchasing/docs/fto-list.pdf>.

The foregoing representation is made solely to comply with Section 2252.152, Texas Government Code, and to the extent such Section does not contravene applicable Federal law and excludes the Lender and each of its parent company, wholly- or majority-owned subsidiaries, and other affiliates, if any, that the United States government has affirmatively declared to be excluded from its federal sanctions regime relating to Sudan or Iran or any federal sanctions regime relating to a foreign terrorist organization. The Lender understands "affiliate" to mean an entity that controls, is controlled by, or is under common control with the Lender and exists to make a profit.

(c) To the extent this Agreement constitutes a contract for goods or services for which a written verification is required under Section 2274.002, Texas Government Code (as added by Senate Bill 13, 87th Texas Legislature, Regular Session) as amended, the Lender hereby verifies that it and its parent company, wholly- or majority- owned subsidiaries, and other affiliates, if any, do not boycott energy companies and will not boycott energy companies during the term of this Agreement. The foregoing verification is made solely to comply with Section 2274.002, Texas Government Code, as amended, to the extent Section 2274.002, Texas Government Code does not contravene applicable Texas or Federal law. As used in the foregoing verification, "boycott energy companies" shall have the meaning assigned to the term "boycott energy company" in Section 809.001, Texas Government Code. The Lender understands "affiliate" to mean an entity that controls, is controlled by, or is under common control with the Lender and exists to make a profit.

(d) To the extent this Agreement constitutes a contract for the purchase of goods or services for which a written verification is required under Section 2274.002, Texas Government Code (as added by Senate Bill 19, 87th Texas Legislature, Regular Session, "SB 19"), as amended, the Lender hereby verifies that it and its parent company, wholly-or majority- owned subsidiaries, and other affiliates, if any, do not have a practice, policy, guidance or directive that discriminates against a firearm entity or firearm trade association; and will not discriminate during the term of this Agreement against a firearm entity or firearm trade association.

The foregoing verification is made solely to comply with Section 2274.002, Texas Government Code, as amended, to the extent Section 2274.002, Texas Government Code does not contravene applicable Texas or Federal law. As used in the foregoing verification, "discriminate against a firearm entity or firearm trade association" shall have the meaning assigned to such term in Section 2274.001(3), Texas Government Code (as added by SB 19). The Lender understands "affiliate" to mean an entity that controls, is controlled by, or is under common control with the Lender and exists to make a profit.

12.22 Role of Lender. The Lender and its representatives are not registered municipal advisors and do not provide advice to municipal entities or obligated persons with respect to municipal financial products or the issuance of municipal securities (including regarding the structure, timing, terms and similar matters concerning municipal financial products or municipal securities issuances) or engage in the solicitation of municipal entities or obligated persons for the provision by non-affiliated persons of municipal advisory services and/or investment advisory services. With respect to this Loan Agreement and any other information, materials or communications provided by the Lender: (a) the Lender and its representatives are not recommending an action to any municipal entity or obligated person; (b) the Lender and its representatives are not acting as an advisor to any municipal entity or obligated person and do not owe a fiduciary duty pursuant to Section 15B of the Securities Exchange Act of 1934 to any municipal entity or obligated person with respect to this Indenture, information, materials or communications; (c) the Lender and its representatives are acting for their own interests; and (d) the Authority has been informed that it should discuss this Loan Agreement and any such other information, materials or communications with any and all internal and external advisors and experts that the Authority deems appropriate before acting on this Loan Agreement or any such other information, materials or communications. If the Lender or any of its Affiliates should recommend an action to the Authority or any other municipal entity or obligated person in connection with this Loan Agreement or the Note, the Authority acknowledges and agrees that the Lender will not provide advice regarding the structure, timing, terms, and similar matters with respect thereto, or to letters of credit, direct loans, municipal securities, or other extensions of credit that extends beyond the Note, which the Lender plans to hold for its own account as evidence of the Loan; hence, the Lender intends for any advice and recommendations provided by the Lender in connection with the matters described herein, to the extent applicable, to qualify for the bank exemption to the "Municipal Advisor Rule" of the Securities and Exchange Commission.

[SIGNATURE PAGES FOLLOW]

IN WITNESS WHEREOF, the parties hereto have caused this Secured Loan Agreement to be executed by their duly authorized officers effective as of the date first above written.

CENTRAL TEXAS REGIONAL MOBILITY
AUTHORITY

By: _____
Name: _____
Title: _____

REGIONS CAPITAL ADVANTAGE, INC.

By: _____
Name: _____
Title: _____

EXHIBIT A

PROMISSORY NOTE

(this "Note")

THIS NOTE IS SECURED BY THE NET REVENUES UNDER AND AS DEFINED IN THE SECURED LOAN AGREEMENT BETWEEN THE AUTHORITY AND THE LENDER. THE OBLIGATION OF THE AUTHORITY TO PAY THE NOTE IS AN UNSECURED OBLIGATION OF THE AUTHORITY PAYABLE FROM ANY LEGALLY AVAILABLE FUNDS OF THE AUTHORITY. THIS NOTE IS NOT AN OBLIGATION OF THE STATE, ANY COUNTY OR ANY OTHER GOVERNMENTAL ENTITY AND IS NOT PAYABLE EXCEPT AS PROVIDED IN THE SECURED LOAN AGREEMENT.

Principal Amount: \$24,990,900

May __, 2022

FOR VALUE RECEIVED, THE CENTRAL TEXAS REGIONAL MOBILITY AUTHORITY (the "Authority"), does hereby promise to pay to the order of **REGIONS CAPITAL ADVANTAGE, INC.** (the "Lender"), in lawful money of the United States of America, the Principal Amount set forth above, on the dates and in the amounts set forth in, and in accordance with the terms of, the Secured Loan Agreement between the Authority and the Lender (the "Loan Agreement"). The Authority also will pay interest on the unpaid principal balance outstanding from time to time at the rate and at such times as set forth in the Loan Agreement, until the earlier of the maturity or prepayment hereof. The Authority may prepay the unpaid principal balance outstanding at any time in accordance with the terms of the Loan Agreement.

Notwithstanding any other provisions of this Note, interest payable on this Note, together with any other costs, consideration, or payments in the nature of and constituting interest under applicable law (whether denominated as interest or as any other type of payment hereunder or thereunder, respectively) shall not exceed, and shall automatically be reduced to, the maximum amount or rate of interest permitted by applicable law as from time to time in effect (the "Highest Lawful Rate"); and all such costs, consideration, and payments constituting interest shall be pro-rated, spread, and allocated, to the fullest extent permitted by applicable law, to such periods and loan amounts as will cause the money so paid or received to conform to and comply with applicable law and the Highest Lawful Rate.

All sums paid hereon shall be applied first to the satisfaction of interest, and then the balance to the unpaid principal amount of this Note.

THIS NOTE is referred to in the Loan Agreement as the "Note," and is subject to all of the terms, conditions, and provisions thereof, including but without limitation those respecting the prepayment and the acceleration of maturity hereof. Capitalized terms used but not defined herein shall have the meaning ascribed to such terms in the Loan Agreement.

THIS NOTE is a contract made under and shall be construed in accordance with and governed by the laws of the State of Texas, without regard to such state's conflicts of laws principles.

CENTRAL TEXAS REGIONAL MOBILITY
AUTHORITY

By: _____
Authorized Officer

EXHIBIT B
CAMPO INTERLOCAL AGREEMENT

INTERLOCAL AGREEMENT

THIS INTERLOCAL AGREEMENT (the "Agreement") is made and entered into effective as of the 27th day of June, 2012, by and between the CAPITAL AREA METROPOLITAN PLANNING ORGANIZATION ("CAMPO"), the designated metropolitan planning organization for the Austin metropolitan area, and the CENTRAL TEXAS REGIONAL MOBILITY AUTHORITY (the "Mobility Authority"), a political subdivision of the State of Texas (each a "Party", and collectively, the "Parties").

WITNESSETH:

WHEREAS, 23 U.S.C. §134 requires the Governor, by agreement with units of general purpose local government in the affected area, to designate a metropolitan planning organization ("MPO") for each metropolitan planning area in the state; and

WHEREAS, 23 U.S.C. §134 requires each MPO so designated, in cooperation with the state, to develop long-range transportation plans and transportation improvement programs for the metropolitan planning area; and

WHEREAS, the Governor of Texas has designated CAMPO as the MPO for Bastrop, Caldwell, Hays, Travis, and Williamson Counties in accordance with the requirements of 23 U.S.C. §134; and

WHEREAS, the Mobility Authority is a regional mobility authority created pursuant to the request of Travis and Williamson Counties and operating pursuant to Chapter 370 of the Texas Transportation Code (the "RMA Act") and 43 TEX. ADMIN. CODE §§26.1 *et seq.*; and

WHEREAS, Chapter 791 of the Texas Government Code provides that any one or more public agencies may contract with each other for the performance of governmental functions or services in which the contracting parties are mutually interested; and

WHEREAS, Section 370.033 of the RMA Act provides that a regional mobility authority may enter into contracts or agreements with another governmental entity; and

WHEREAS, the Mobility Authority's goals include improving mobility within Travis and Williamson counties, and to further that goal, the Mobility Authority has exercised its option, pursuant to state law, to develop, construct, and operate a proposed managed lane project in the City of Austin, Travis County, along an 11-mile portion of Loop 1 (MoPac) south of Parmer Lane to Cesar Chavez Street (the "MoPac Improvement Project" or "Project"); and

WHEREAS, the Texas Department of Transportation ("TxDOT") recently identified approximately \$2 billion in unanticipated funding for highway projects, resulting primarily from additional federal funding and lower than expected borrowing and construction costs for current projects; and

WHEREAS, TxDOT has notified CAMPO that \$136,583,000.00 of the unanticipated funding (the “New Funds”) will be made available for transportation projects in the Austin metropolitan area and has asked CAMPO to allocate the New Funds for appropriate projects; and

WHEREAS, the New Funds must be primarily allocated to projects which have progressed through the planning and development process to a point where Federal funds may be obligated to the project by September 30, 2012; and

WHEREAS, the MoPac Improvement Project is expected to receive environmental clearance on or before August 31, 2012, and has otherwise advanced through the planning and development process such that it is anticipated to be eligible for the obligation of funds prior to September 30, 2012; and

WHEREAS, CAMPO has determined that it is in the best interest of the region to allocate \$130 million in New Funds to the development and construction of the MoPac Improvement Project by the Mobility Authority; and

WHEREAS, the allocation of \$130 million in New Funds to the MoPac Improvement Project makes it possible for the Mobility Authority to fund construction of the Project without issuing toll revenue bonds, and thus reduces the total cost of constructing and operating the Project by the projected cost of issuing and repaying toll revenue bonds; and

WHEREAS, because the Mobility Authority will not have debt service requirements for the MoPac Improvement Project, the Project will generate “Surplus Revenue” (as defined below) sooner than if debt were issued; and

WHEREAS, to assure that the region shares in the benefits resulting from the use of New Funds for the MoPac Improvement Project, and in accordance with the requirements of Section 370.174 of the RMA Act, the Mobility Authority has agreed to establish a Regional Infrastructure Fund (“RIF”) created from a portion of the Surplus Revenue from the MoPac Improvement Project to be used to fund other transportation projects in the region; and

WHEREAS, in accordance with the terms of this Agreement and provisions of the RMA Act, the RIF will be available for use on transportation projects identified by CAMPO; and

WHEREAS, the Mobility Authority has agreed to deposit and hold the RIF in a dedicated interest-bearing account for the benefit of CAMPO;

NOW, THEREFORE, in consideration of the mutual covenants and agreements herein contained, the undersigned Parties agree as follows:

I. FINDINGS

Recitals. The recitals set forth above are incorporated herein for all purposes and are found by the Parties to be true and correct. It is further found and determined that the Parties

have authorized and approved the Agreement by resolution and that this Agreement will be in full force and effect when approved by each party.

II. ACTION

- A. Allocation of New Funds to the MoPac Improvement Project.** CAMPO shall amend its Transportation Improvement Program (“TIP”) to allocate to the Mobility Authority \$130 million in New Funds, to be used to pay or provide reimbursement for the costs of (1) constructing the MoPac Improvement Project, including without limitation costs of right-of-way acquisition and utility relocation; and (2) other costs associated with project financing and implementation. This funding allocation is committed by CAMPO and is not subject to future discretionary actions of CAMPO. The Parties recognize and acknowledge that, subject to applicable law, a portion of the New Funds committed by this paragraph may be applied to reimburse costs incurred prior to, and in anticipation of, receipt of New Funds. The Parties further recognize and acknowledge that the New Funds shall be made available to the Mobility Authority by TxDOT pursuant to the terms of a separate financial assistance agreement. A copy of the financial assistance agreement will be provided to CAMPO upon execution by the Mobility Authority and TxDOT.
- B. Maintenance of Regional Infrastructure Fund.** In order to share the financial benefits derived from using New Funds for the MoPac Improvement Project, the Mobility Authority will establish and maintain a RIF. The RIF will be held in a dedicated interest-bearing account into which the Mobility Authority will deposit a portion of the Surplus Revenue generated by the Project (the “RIF Account”). The amounts of, and projected schedule for, contributions to the RIF Account are set forth on Exhibit “A”, attached hereto and incorporated herein.
- C. Use of Funds Held in the RIF Account.** The proceeds deposited to the RIF Account (and interest earned thereon) shall be used to assist governmental entities (which may include the Mobility Authority) in funding eligible toll or toll-free transportation projects. CAMPO shall have the sole responsibility for designating the transportation projects to which funds in the RIF Account will be allocated and determining the amount of available RIF proceeds to be allocated to each project. The Mobility Authority shall distribute funds in the RIF Account to governmental entities as designated by CAMPO for transportation projects included in the approved TIP (and any other required planning document). Notwithstanding the foregoing, unless otherwise permitted by federal law, funds in the RIF Account may only be used for a transportation project as defined in Title 23 of the United States Code (23 U.S.C.).

If, in the future, state and federal law permits CAMPO to directly fund projects through loans and grants, and state law permits a regional mobility authority to transfer Surplus Revenue directly to a metropolitan planning organization, the Parties agree that the RIF contributions and account shall, upon receipt of a written request from CAMPO, be transferred from the Mobility Authority to CAMPO.

- D. **Mobility Authority Commitment Contingent on Surplus Revenue.** The Mobility Authority shall deposit Surplus Revenue to the RIF Account only to the extent Surplus Revenue exists and in accordance with the general schedule set forth in Exhibit "A", which was derived based on projected revenues, operations and maintenance expenses, necessary reserves, and other project expenditures developed by the Mobility Authority and its consultants. For purposes of this Agreement, the phrase "Surplus Revenue" shall have the meaning set forth in Section 370.003(12) of the RMA Act, provided that neither (1) feasibility fund expenditures; nor (2) debt service and other expenses associated with any borrowing as described in Section II.E(2) shall be deducted from Project revenues in computing Surplus Revenue. If the Project does not generate Surplus Revenue at the time or in the amounts projected on Exhibit "A", the parties will confer and will work in good faith to revise the terms hereof to accommodate the changed circumstances while preserving the benefits for the region of the RIF and recognizing the value of the designated contribution schedule.
- E. **Encumbrance of Project Revenues.** The Mobility Authority agrees not to encumber Project revenues to secure borrowing from third parties except in either of the following circumstances:
- (1) The Mobility Authority determines that funds are needed to support Project construction or operations or to reimburse previously-incurred Project expenditures. If the funds needed are less than \$25 million, the Mobility Authority may take such actions as are necessary to secure the funding, including entering into a loan agreement with a third party to provide the funding on commercially reasonable terms (which may include a pledge of Project revenues).
 - (2) If the Mobility Authority has made contributions to the RIF in accordance with the schedule reflected on Exhibit "A", it may pledge that portion of Surplus Revenue which exceeds scheduled RIF contributions ("Additional Surplus Revenue") to secure third party borrowing. In accordance with Section II.D, all debt service and other expenses associated with such borrowing shall be excluded from the definition of Surplus Revenue available for contribution to the RIF (i.e., debt service and expenses related to such borrowing will not be deducted from Project revenues for purposes of calculating Surplus Revenue available for contribution to the RIF). In the event the Mobility Authority intends to borrow money and pledge the Additional Surplus Revenue to secure such borrowing, the Mobility Authority shall: (1) provide notice of its intent to engage in such borrowing at least thirty (30) calendar days prior to consummating such loan; (2) assure that any documents evidencing the loan recognize the obligations to make the RIF contributions prior to satisfying any loan obligations; and (3) provide documents evidencing the loan to CAMPO at least ten (10) business days prior to funding.
- F. **Advance Funding of RIF.** At its option and depending on Project performance, the Mobility Authority may fund the entire contribution to the RIF earlier than is otherwise projected on Exhibit "A".

- G. **Audit of Project.** The Mobility Authority will provide a copy of its annual audit to CAMPO until such time that the RIF contributions have been fully funded in accordance with Exhibit "A". In addition, CAMPO may, at its expense, secure an independent audit of the Project to verify the computation and availability of Surplus Revenue for contribution to the RIF in accordance with the projected schedule reflected on Exhibit "A".

III. GENERAL AND MISCELLANEOUS

- A. **Prior Written Agreements.** This Agreement is the complete agreement by and between the Parties on the subject matter of the Agreement. This Agreement is without regard to any and all prior written contracts or agreements between the Parties regarding any other subject matter and does not modify, amend, ratify, confirm, or renew any such other prior contract or agreement between the Parties.
- B. **Other Services.** Nothing in this Agreement shall be deemed to create, by implication or otherwise, any duty or responsibility of either of the Parties to undertake or not to undertake any other service, or to provide or not to provide any service, except as specifically set forth in this Agreement or in a separate written instrument executed by both Parties.
- C. **Governmental Immunity.** Nothing in this Agreement shall be deemed to waive, modify, or amend any legal defense available at law or in equity to either of the Parties nor to create any legal rights or claims on behalf of any third party. Neither of the Parties waives, modifies, or alters to any extent whatsoever the availability of the defense of governmental immunity under the laws of the State of Texas and of the United States.
- D. **Amendments and Modifications.** This Agreement may not be amended or modified except in writing and executed by both Parties to this Agreement and authorized by their respective governing bodies.
- E. **Severability.** If any provision of this Agreement shall be held invalid or unenforceable by any court of competent jurisdiction, such holding shall not invalidate or render unenforceable any other provision hereof, but rather this entire Agreement will be construed as if not containing the particular invalid or unenforceable provision(s), and the rights and obligations of the Parties shall be construed and enforced in accordance therewith. The Parties acknowledge that if any provision of this Agreement is determined to be invalid or unenforceable, it is their desire and intention that such provision be reformed and construed in such a manner that it will, to the maximum extent practicable, give effect to the intent of this Agreement and be deemed to be validated and enforceable.
- F. **Execution in Counterparts.** This Agreement may be simultaneously executed in several counterparts, each of which shall be an original and all of which shall be considered fully executed as of the date first written above, when both Parties have executed an identical counterpart, notwithstanding that all signatures may not appear on the same counterpart.

IN WITNESS WHEREOF, the Parties have executed and attested this Agreement by their officers thereunto duly authorized.

**Capital Area Metropolitan Planning
Organization Transportation Policy Board**



By: Will Conley, Chair

Date: 6-28-12

**Central Texas Regional Mobility
Authority**



By: Ray Wilkerson, Chair

Date: 6-27-12

EXHIBIT "A"

PROJECTED
REGIONAL INFRASTRUCTURE FUND
CONTRIBUTION SCHEDULE

(Contributions to be made on or before September 1 of the year indicated)

Year	Annual Amount
2017	\$2,000,000
2018	\$2,000,000
2019	\$3,000,000
2020	\$4,000,000
2021	\$5,000,000
2022	\$5,000,000
2023	\$6,000,000
2024	\$10,000,000
2025	\$10,000,000
2026	\$10,000,000
2027	\$10,000,000
2028	\$10,000,000
2029	\$11,000,000
2030	\$11,000,000
2031	\$11,000,000
2032	\$11,000,000
2033	\$11,000,000
2034	\$11,000,000
2035	\$11,000,000
2036	\$12,000,000
2037	\$12,000,000
2038	\$12,000,000
2039	\$12,000,000
2040	\$12,000,000
2041	\$16,000,000
TOTAL	\$230,000,000



CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY

April 25, 2022
AGENDA ITEM #7

Discuss and consider designating maximum speeds on 183 Toll and 45SW Toll and approving corresponding amendments to Mobility Authority Policy Code § 301.015

Strategic Plan Relevance:	Regional Mobility
Department:	Engineering
Contact:	Mike Sexton, P.E., Acting Director of Engineering
Associated Costs:	Estimated \$200,000
Funding Source:	183S Project funds and Operating Fund
Action Requested:	Consider and act on draft resolution

Project Description/Background:

The 183 South Project broke ground in April 2016 and opened in phases with the north end opening in August 2019, and the south end opening in early 2021. During the construction phase of the project, construction speed limits were determined by engineering criteria and were controlled by temporary signage placed in the corridor specified by the traffic control plans. As the project has now fully opened to traffic, staff recommends posting the permanent speed limit signage in the corridor.

The 45SW Toll opened to traffic in 2019 and was signed 65 miles per hour using prima facie speed limits and with consideration of similar facilities.

Previous Actions & Brief History of the Program/Project:

Section 301.014 of the Policy Code requires that guidelines established by Texas Department of Transportation Procedures for Establishing Speed Zones, current edition, will be used in conducting Speed Zone Studies and establishing Speed Limits on authority operated toll roads. The data collected during the Speed Zone Studies are analyzed to determine the 85th Percentile Speed. The 85th Percentile Speed is the speed at which 85% of the traffic at a specific test site is traveling at or slower. The 85th Percentile Speed will be the basis for how the posted speed limit is determined.

Construction activities continued on 183 Toll through the later part of 2021 affecting the traffic patterns which prohibited collection of the required data for a speed study. Once traffic patterns normalized on both 45SW Toll and 183 Toll, speed zone studies commenced for the toll lanes and are now complete. Separately, TxDOT prepared a speed study for their general purpose lanes along US183.

Financing:

Project funds will be used to pay for the installation of the speed limit signs on 183 Toll. The Operating Fund will be used to pay for the installation of the speed limit signs on 45SW Toll.

Action requested/Staff Recommendation:

Staff recommends that the Board designate a maximum speed of 75 miles per hour for 183 Toll and a maximum speed of 70 miles per hour for 45SW Toll. Staff further recommends that Section 301.015 of the Policy Code be amended by adding the following:

- d) The maximum speed of a motor vehicle on the 45SW Toll is limited to 70 miles per hour except within construction, transitional, or reduced speed zones, or during any period of adverse atmospheric or weather conditions.

- e) The maximum speed of a motor vehicle on the 183 Toll is limited to 75 miles per hour except within construction, transitional, or reduced speed zones, or during any period of adverse atmospheric or weather conditions.

Backup provided:

Draft Resolution
Draft Mobility Authority Policy Code § 301.015
45SW Toll Speed Study
183 Toll Speed Study

**GENERAL MEETING OF THE BOARD OF DIRECTORS
OF THE
CENTRAL TEXAS REGIONAL MOBILITY AUTHORITY**

RESOLUTION NO. 22-0XX

**APPROVING MAXIMUM AND MINIMUM SPEED LIMITS
FOR THE 45SW TOLL AND 183 TOLL AND RELATED AMENDMENTS TO
MOBILITY AUTHORITY POLICY CODE SECTION 301.015**

WHEREAS, Chapter 370 of the Transportation Code and other applicable law authorizes the Board to establish speed limits on Mobility Authority roadways; and

WHEREAS, Section 301.014 of the Policy Code provides guidelines for establishing speed limits on Mobility Authority roadways; and

WHEREAS, Section 301.015 of the Mobility Authority Policy Code publishes the speed limits for certain Mobility Authority toll facilities; and

WHEREAS, the Board has reviewed and considered the “45SW Toll Speed Limit Study” dated March 18, 2022, prepared by WSP USA Inc. and on file in the Mobility Authority office; and

WHEREAS, based on the 45SW Toll Speed Limit Study, the Board finds that a maximum speed limit of 70 miles per hour is a safe and reasonable speed for those who travel on 45SW Toll, and that it is in the best interest of the Mobility Authority and those who travel on 45SW Toll to establish a maximum speed limit of 70 miles per hour; and

WHEREAS, the Board has reviewed and considered the “183 Toll Speed Limit Study” dated March 9, 2022, prepared by Atkins North America, Inc. and on file in the Mobility Authority office; and

WHEREAS, based on the 183 Toll Speed Limit Study, the Board finds that a maximum speed limit of 75 miles per hour is a safe and reasonable speed for those who travel on 183 Toll, and that it is in the best interest of the Mobility Authority and those who travel on 183 Toll to establish a maximum speed limit of 75 miles per hour; and

NOW THEREFORE, BE IT RESOLVED, that the Board accepts the 45SW Toll Speed Limit Study and hereby approves the recommended maximum speed limit of 70 miles per hour on 45SW Toll, as set forth in the 45SW Toll Speed Limit Study; and

BE IT FURTHER RESOLVED, that the Board accepts the 183 Toll Speed Limit Study and hereby approves the recommended maximum speed limit of 75 miles per hour on 183 Toll, as set forth in the 183 Toll Speed Limit Study; and

BE IT FURTHER RESOLVED, that the Board hereby amends Section 301.015 of the Mobility Authority Policy Code to promulgate maximum speed limits for the 45SW Toll and 183 Toll by adding new Subsections 301.015(d) and 301.015(e) as set forth in Exhibit A hereto.

Adopted by the Board of Directors of the Central Texas Regional Mobility Authority on the 25th day of April 2022.

Submitted and reviewed by:

Approved:

James M. Bass
Executive Director

Robert W. Jenkins, Jr.
Chairman, Board of Directors

Exhibit A

301.015 Speed Limits for Specific Roadways

- (a) The maximum speed of a motor vehicle on the main tolled lanes of the 183A Turnpike is limited to 75 miles per hour except within construction, transitional, or reduced speed zones, or during any period of adverse atmospheric or weather conditions. Notwithstanding the foregoing, the maximum speed of a motor vehicle on a non-tolled frontage road of the 183A Turnpike is limited to 60 miles per hour.
- (b) The maximum speed of a motor vehicle on the main toll lanes of the 290 Toll is limited to 75 miles per hour except within construction, transitional, or reduced speed zones, or during any period of adverse atmospheric or weather conditions. Notwithstanding the foregoing, a lesser transition maximum speed limit for a motor vehicle that is entering or exiting a main toll lane of the 290 Toll is established as identified on the strip map attached as Appendix C to the September 8, 2014, Speed Zone Study, on file in the Mobility Authority offices.
- (c) The maximum speed of a motor vehicle on the MoPac Express Lanes is limited to 70 miles per hour except within construction, transitional, or reduced speed zones, or during any period of adverse atmospheric or weather conditions. The minimum speed of a motor vehicle on the MoPac Express Lanes is limited to 55 miles per hour except within construction, transitional, or reduced speed zones, or during any period of adverse atmospheric or weather conditions.
- (d) The maximum speed of a motor vehicle on the on the main toll lanes of the 45SW Toll is limited to 70 miles per hour except within construction, transitional, or reduced speed zones, or during any period of adverse atmospheric or weather conditions.
- (e) The maximum speed of a motor vehicle on the on the main toll lanes of the 183 Toll is limited to 75 miles per hour except within construction, transitional, or reduced speed zones, or during any period of adverse atmospheric or weather conditions.

301.015 Speed Limits for Specific Roadways

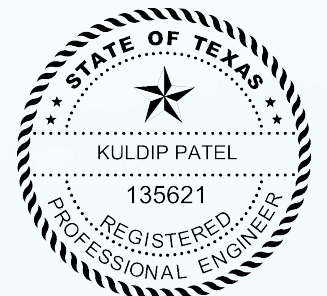
(a) The maximum speed of a motor vehicle on the main tolled lanes of the 183A Turnpike is limited to 75 miles per hour except within construction, transitional, or reduced speed zones, or during any period of adverse atmospheric or weather conditions. Notwithstanding the foregoing, the maximum speed of a motor vehicle on a non-tolled frontage road of the 183A Turnpike is limited to 60 miles per hour.

(b) The maximum speed of a motor vehicle on the main toll lanes of the 290 Toll is limited to 75 miles per hour except within construction, transitional, or reduced speed zones, or during any period of adverse atmospheric or weather conditions. Notwithstanding the foregoing, a lesser transition maximum speed limit for a motor vehicle that is entering or exiting a main toll lane of the 290 Toll is established as identified on the strip map attached as Appendix C to the September 8, 2014, Speed Zone Study, on file in the Mobility Authority offices.

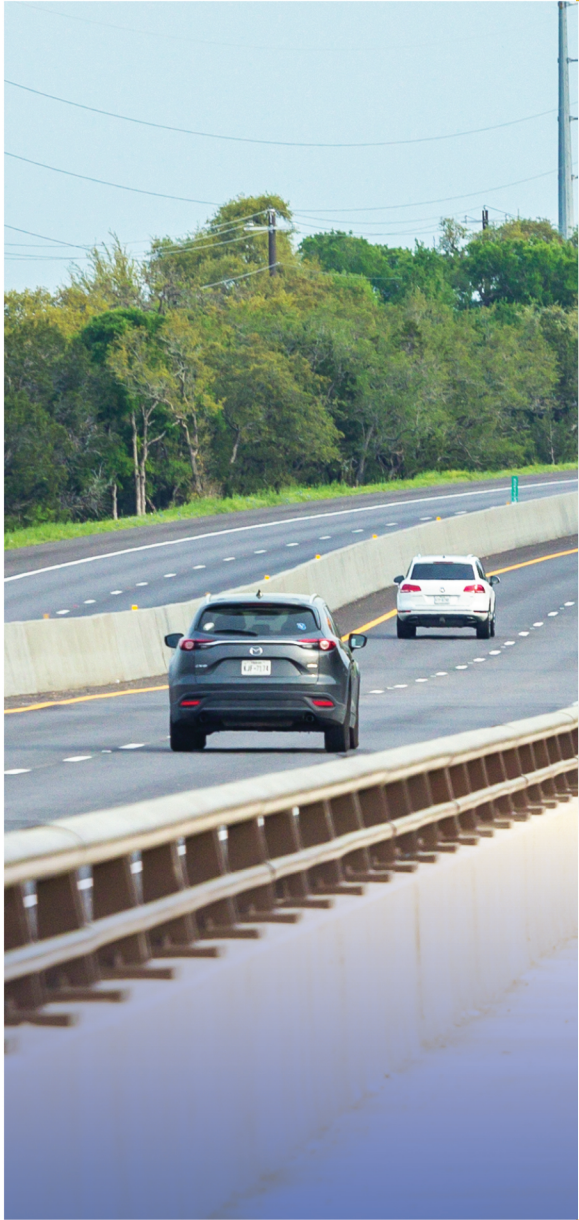
(c) The maximum speed of a motor vehicle ~~on~~ the MoPac Express Lanes is limited to 70 miles per hour except within construction, transitional, or reduced speed zones, or during any period of adverse atmospheric or weather conditions. The minimum speed of a motor vehicle on the MoPac Express Lanes is limited to 55 miles per hour except within construction, transitional, or reduced speed zones, or during any period of adverse atmospheric or weather conditions.

(d) The maximum speed of a motor vehicle on the on the main toll lanes of the 45SW Toll is limited to 70 miles per hour except within construction, transitional, or reduced speed zones, or during any period of adverse atmospheric or weather conditions.

(e) The maximum speed of a motor vehicle on the on the main toll lanes of the 183 Toll is limited to 75 miles per hour except within construction, transitional, or reduced speed zones, or during any period of adverse atmospheric or weather conditions.



K. Patel 03/18/2022



Speed Limit Study



CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY



SH 45SW Speed Study
Central Texas Regional Mobility Authority

March 18, 2022

Prepared by:

Kuldip Patel, P.E.

EXECUTIVE SUMMARY

The SH 45SW Toll Road is a 3.6-mile tolled highway in southwest Austin in southern Travis and northern Hays County which connects Loop 1 MoPac Expressway and FM 1626.

The Central Texas Regional Mobility Authority (CTRMA) operates the SH 45SW Toll Road. CTRMA has tasked WSP to conduct a speed zone study to validate or adjust posted speeds using TxDOT’s Procedures for Establishing Speed Zones Manual. The 85th percentile speed is a speed measurement that is used for establishing regulatory speed zones, which represents the speed that 85 percent of vehicles are traveling at or below. The existing posted speed limit on SH 45SW Toll Road is 65 miles per hour (mph). The table below summarizes the 85th percentile speed measurements for the SH 45SW Toll Road.

85th percentile Speed – SH 45 SW Toll Road (Posted Speed Limit – 65 mph)

NB Direction	Speed (mph)	SB Direction	Speed (mph)
SH 45SW just south of Bliss Spillar Rd	68	SH 45SW just south of Bliss Spillar Rd	67
SH 45SW just south of Mainline Toll Plaza	70	SH 45SW just south of Mainline Toll Plaza	71
SH 45SW about 0.4 miles north of Bear Creek	74	SH 45SW about 0.4 miles north of Bear Creek	66
SH 45SW south of MoPac/ SH 45SW interchange	71	SH 45SW south of MoPac/ SH 45SW interchange	69
NB Average Speed	70	SB Average Speed	68

Per the results of the analysis the existing posted regulatory speed limit of 65-mph is justified. However, the study results also could support a speed limit of 70 mph per the TxDOT Speed Zones Manual. In addition to the speed data, crash data from 2019 to 2021 were also analyzed to understand crash patterns related to the travel speed. It was determined that there were no crashes recorded along SH 45SW Toll Road except at the interchange of Loop 1 MoPac Expressway/SH 45SW and at the intersection of FM 1626/SH 45SW.

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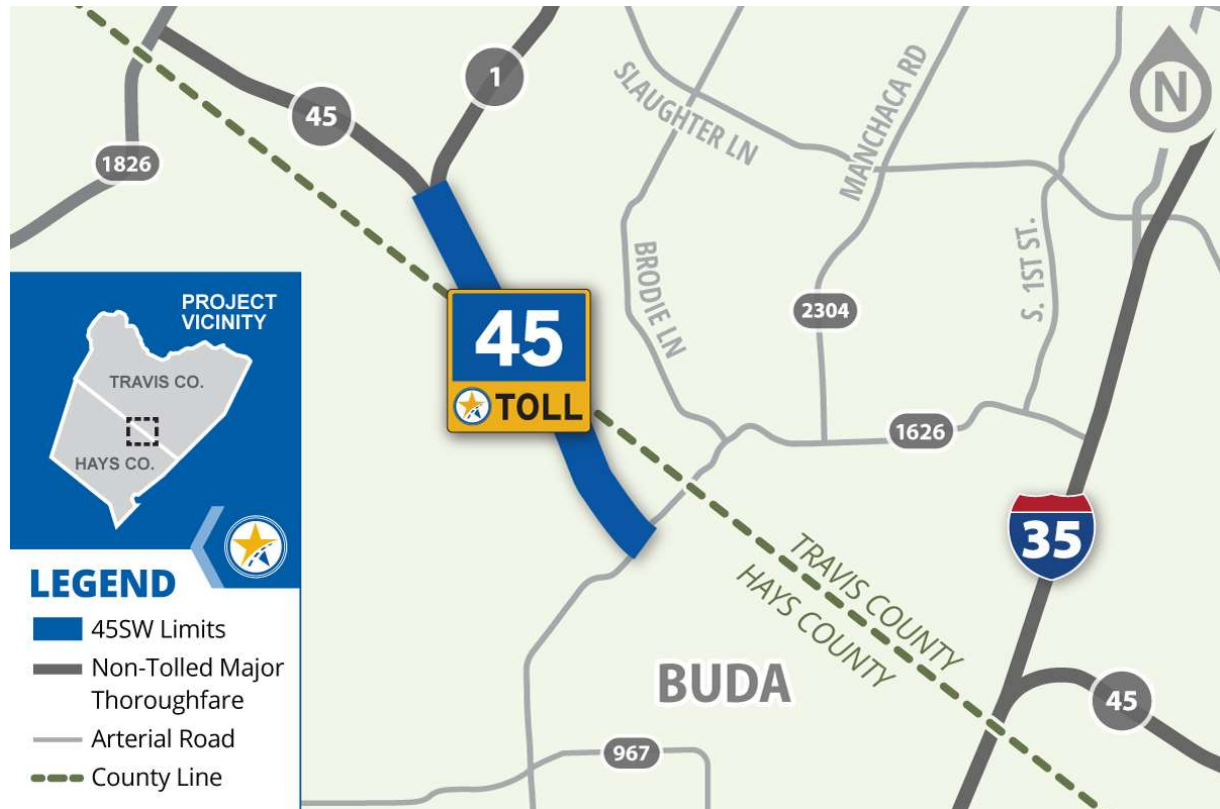
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1. INTRODUCTION

The SH 45SW Toll Road is a 3.6-mile tolled highway in southwest Austin in southern Travis and northern Hays County and it connects Loop 1 MoPac Expressway and FM 1626. Figure 1 shows the extent of the SH 45SW Toll Road.

Figure 1. SH 45SW Toll Road Location Map



Central Texas Regional Mobility Authority (CTRMA) operates the SH 45SW Toll Road. CTRMA has tasked WSP to conduct a speed zone study to validate or adjust posted speeds using TxDOT's Procedures for Establishing Speed Zones Manual. Under section 545.354 of the Texas Transportation Code, the CTRMA may establish speed limits that are safe and reasonable of up to 75 mph as determined from the results of an engineering and traffic investigation.

The purpose of this report is to present the results of the 2021 speed zone study for the SH 45SW Toll Road corridor. This is the first speed study conducted on the corridor since the SH 45SW Toll Road facility was opened to traffic in June 2019. Per TxDOT guidelines, the toll road was opened with an initial speed limit consistent with TxDOT guideline considerations for speed limits on new roadways such as design speed. Based on guideline considerations, the opening speed limit was set to 65 mph.

2. EXISTING CONDITIONS

2.1 Study Area

The study area for the speed study consists of SH 45SW Toll Road between Loop 1 MoPac Expressway and FM 1626.

2.2 Typical Section

The typical section of the SH 45SW Toll Road between Loop 1 MoPac Expressway and FM 1626 includes up to 40-foot pavement width in each direction. Each direction includes two 12-foot wide lanes, a 10-foot outside shoulder and a 4 to 6-foot inside shoulder with varying median width.

2.3 Existing Speed Limits

The existing regulatory speed limit along SH 45SW Toll Road is 65 mph.

This area intentionally left blank.

3. SPEED ZONE STUDY METHODOLOGY

Per the Texas Department of Transportation (TxDOT) guidelines provided in the Procedures for Establishing Speed Zones (August 2015, the most recent edition), the speed measurements were taken approximately at one-mile intervals throughout the entire length of SH 45SW Toll Road. **Appendix A** shows the location of speed measurement points along SH 45SW Toll Road.

The speeds were measured under free-flow conditions. Per speed study requirements, free-flow speeds should include a minimum of 125 cars in each direction at a location. Speed study requirements also state that speed checks be discontinued after two hours if radar is used. Free flow speeds were measured using radar speed sensors for 125 vehicles at all the locations except for SH 45SW location 0.4 miles north of Bear Creek. At this location, free flow speeds were measured for 70 vehicles in two hours. All measurements were completed on September 30th, 2021 and there were no adverse weather conditions or incidents that may cause traffic to slow down. **Appendix B** contains the field measured speed data for the four speed measurement locations.

3.1 85th Percentile Speed

The 85th percentile speed is a speed measurement that is used for establishing regulatory speed zones, which represents the speed that 85 percent of vehicles are traveling at or below. TxDOT recommends that the maximum speed limits posted as the result of a speed study should be based primarily on the 85th percentile speed, when adequate speed samples are obtained. The 85th percentile speeds for the SH 45SW Toll Road were computed based on the field measured speed data. Table 1 summarizes the 85th percentile speed for the northbound and southbound directions for the four segments of the corridor, as well as the average of the four segments.

Table 1. 85th percentile Speed – SH 45SW Toll Road (Posted Speed Limit – 65 mph)

NB Direction	Speed (mph)	SB Direction	Speed (mph)
SH 45SW just south of Bliss Spillar Rd	68	SH 45SW just south of Bliss Spillar Rd	67
SH 45SW just south of Mainline Toll Plaza	70	SH 45SW just south of toll Mainline Toll Plaza	71
SH 45SW about 0.4 miles north of Bear Creek	74	SH 45SW about 0.4 miles north of Bear Creek	66
SH 45SW south of MoPac/ SH 45SW interchange	71	SH 45SW south of MoPac/ SH 45SW interchange	69
NB Average Speed	70	SB Average Speed	68

Per the 85th percentile speed data presented above, vehicles on the SH 45 SW Toll Road are typically traveling at or above the posted speed limit of 65 mph. Therefore, the study results would support maintaining the existing 65 mph speed limit or increasing the posted speed to 70 mph.

3.2 Crash Data

Roadways having an average crash rate higher than the statewide average for the same type of facility may require a safety-related reduction in the speed limit below that suggested by the 85th percentile speed whenever vehicle speed is a significant contributing factor toward the crash rate. The crash data along SH 45SW Toll Road were obtained from TxDOT's Crash Records Information System (CRIS) for years 2019 to 2021. The length of time was limited since the SH 45SW Toll Road had just opened in June 2019. It was observed that there were no crashes recorded along SH 45SW Toll Road since its opening. Crashes did occur along FM 1626 near the at-grade intersection at the southern end of the SH 45SW Toll Road, and within the interchange with Loop 1 Mopac Expressway, where there are minor roads, at-grade intersections and driveways, and other constrained geometric features that are not a part of the SH 45 SW Toll Road.

3.3 Strip Map

The strip map is a visualization tool used to facilitate a review of the speed data relative to roadway characteristics and to note any roadway attributes that may impact the travel speeds observed from the speed study. To determine the appropriate posted speed limit for the SH 45SW Toll Road, a strip map was developed to analyze the relationship between the corridor's critical physical features and the speed data results. Crash data and rates are normally included on strip maps. However, as previously noted, there were no crashes on SH 45SW Toll Road during its two-year period of operation.

The factors taken into consideration during the analysis include the horizontal and vertical curvature of the roadway, pavement width, and the location of traffic signals, bridge structures and crossing roads. Strip maps also help identify study corridor features such as city and county boundaries, limits of speed zones and important traffic generators. **Appendix C** contains the strip map created for this study.

3.4 Ongoing Corridor Development

Since SH 45SW Toll Road is an access-controlled highway with no adjacent frontage roads, corridor development would not directly affect corridor performance since such development must access SH 45SW Toll Road via existing ramps and interchanges. Thus, growth in traffic from such development may affect future performance, but little development has occurred since SH 45SW Toll Road opened in June 2019.

4. RECOMMENDED SPEED ZONE

The free-flow speeds were measured in the field and 85th percentile speeds were determined for the SH 45SW Toll Road at four locations along the corridor. A strip map containing the speed data analysis results, and roadway characteristics was also developed as required by the guidelines provided in TxDOT's Procedures for Establishing Speed Zones. Per the TxDOT policy, the posted speed limit should be within 5 mph of the 85th percentile speed.

The average 85th percentile speed for the SH 45SW Toll Road was determined to be 70 mph and 68 mph for the northbound and southbound directions, respectively. The regulatory speed limit for the toll road was set to 65 mph since it was opened. Thus, the speed study data support the regulatory speed limits posted along the SH 45SW Toll road. The measured 85th percentile speeds would also support a speed limit of 70 mph.

In addition to the speed data, crash data was also analyzed to understand crash patterns related to speed. No crashes were recorded along SH 45SW Toll Road since its opening in June 2019, therefore no change to the regulatory speed is necessary for the SH 45SW Toll Road based on safety considerations and there is no reason to believe that increasing the posted speed to 70 mph, if the CTRMA chooses to do so, would create negative impacts to safety.

APPENDICES

Appendix A - Speed Data Measurement Locations

Appendix B - Field Measured Speed Data



Appendix C - Study Area Strip Map

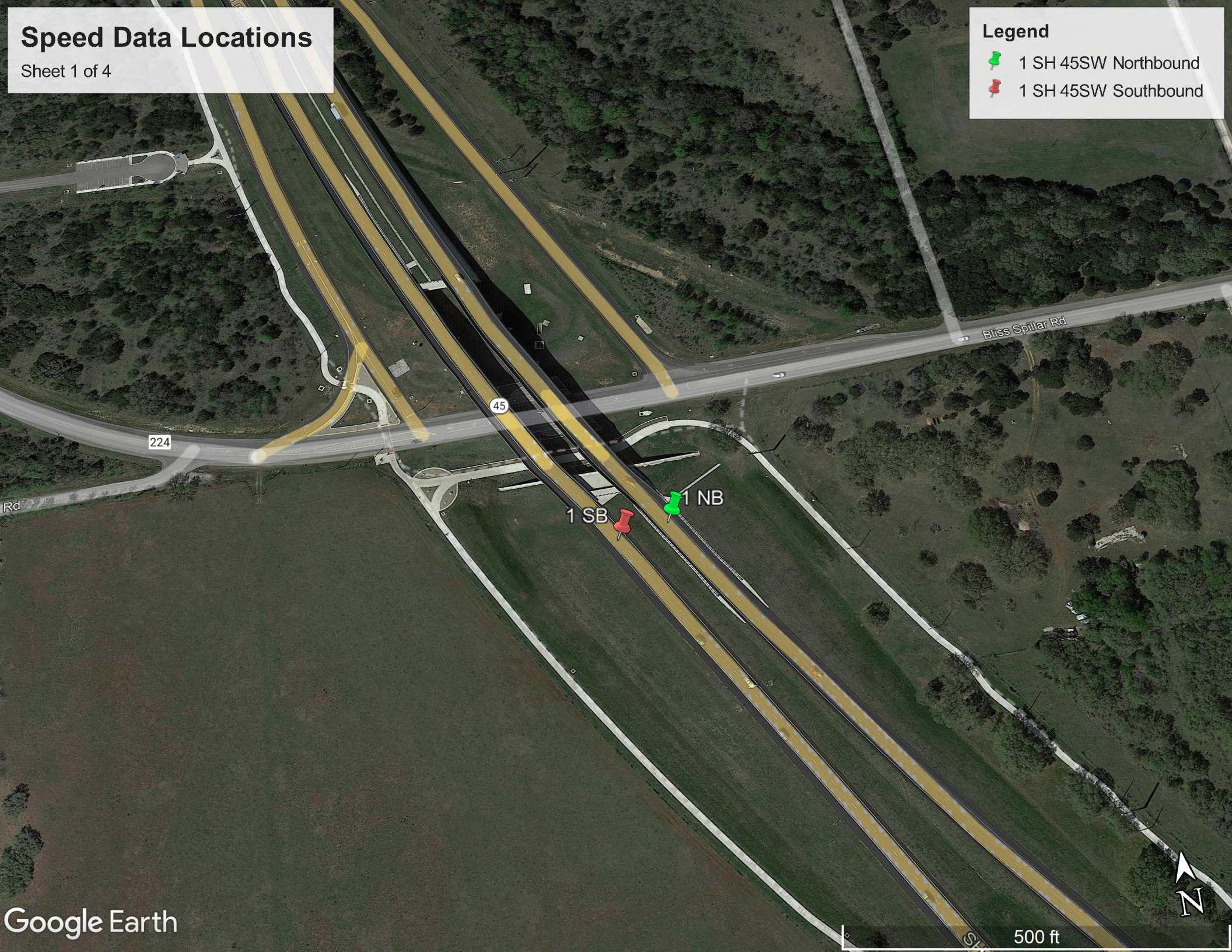
Appendix A
Speed Data Measurement Locations

Speed Data Locations

Sheet 1 of 4

Legend



-  1 SH 45SW Northbound
-  1 SH 45SW Southbound



Speed Data Locations

Sheet 2 of 4

Legend

-  2 SH 45SW Northbound
-  2 SH 45SW Southbound





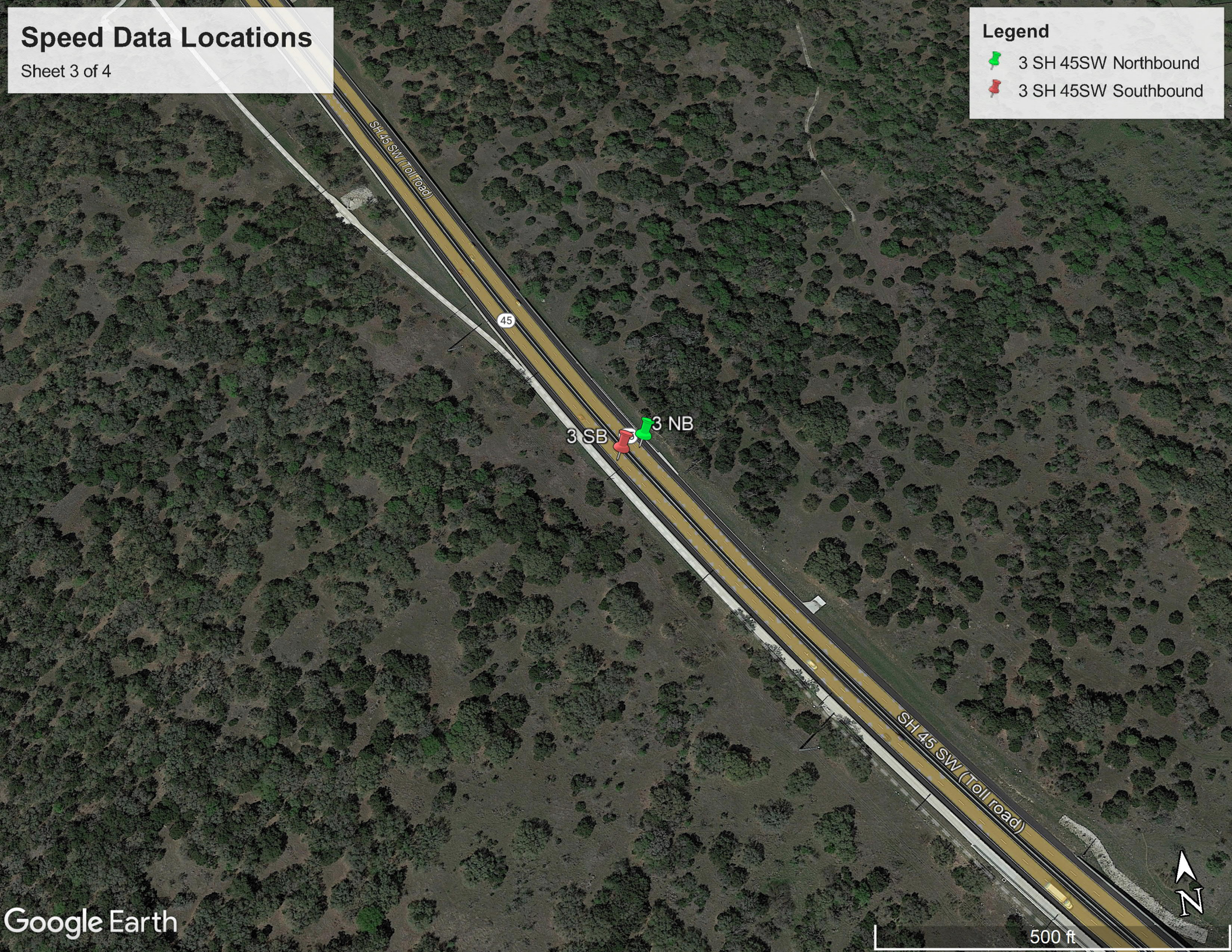
2 NB
2 SB

Speed Data Locations

Sheet 3 of 4

Legend

-  3 SH 45SW Northbound
-  3 SH 45SW Southbound





3 SB  3 NB 

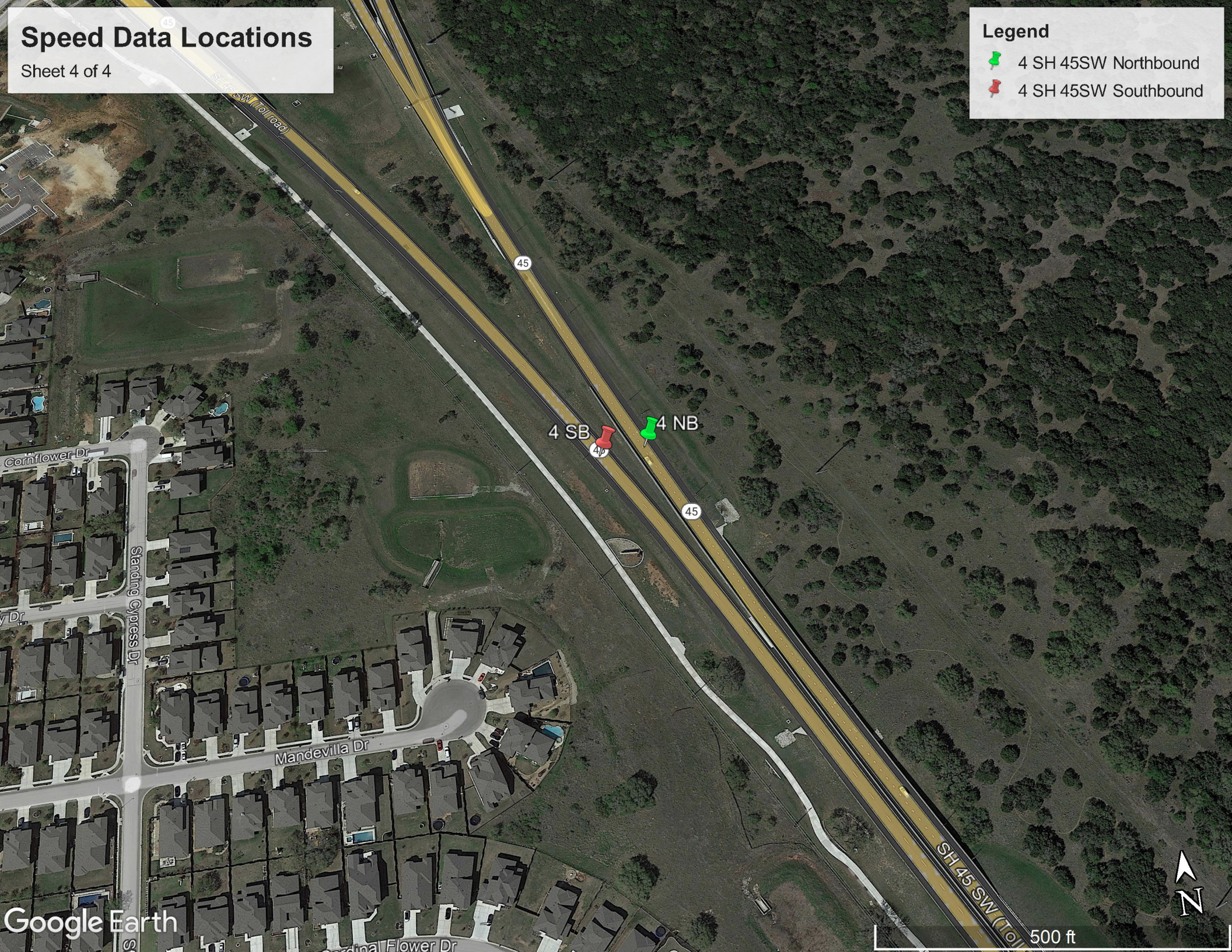


Speed Data Locations

Sheet 4 of 4

Legend

-  4 SH 45SW Northbound
-  4 SH 45SW Southbound



4 SB
4 NB

Appendix B
Field Measured Speed Data

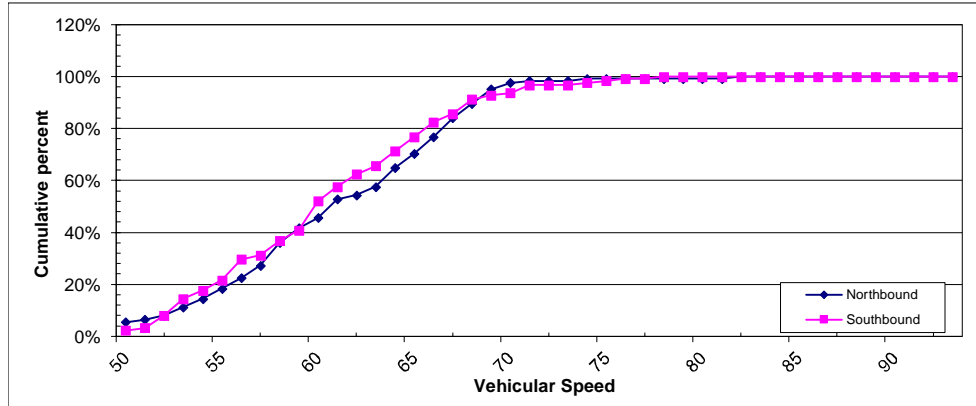
Spot Speed Study SH 45 just south of Bliss Spillar

Northbound 85% speed is: **68 MPH**
Southbound 85% speed is: **67 MPH**

Date: 9/30/2020
Posted Speed: 65 MPH

Begin Time: 8:00 AM
End Time: 10:00 AM

Speed	Northbound	Southbound
50	7	3
51	1	1
52	2	6
53	4	8
54	4	4
55	5	5
56	5	10
57	6	2
58	11	7
59	7	5
60	5	14
61	9	7
62	2	6
63	4	4
64	9	7
65	7	7
66	8	7
67	9	4
68	7	7
69	7	2
70	3	1
71	1	4
72	0	0
73	0	0
74	1	1
75	0	1
76	0	1
77	0	0
78	0	1
79	0	0
80	0	0
81	0	0
82	1	0
83	0	0
84	0	0
85	0	0
86	0	0
87	0	0
88	0	0
89	0	0
90	0	0
91	0	0
92	0	0
93	0	0
94	0	0
95	0	0
Total:	125	125



Northbound					Southbound						
Cumulative			Cumulative		Cumulative			Cumulative			
Total of Vehicles Surveyed	Percent of Vehicles Surveyed		Total of Vehicles Surveyed	Percent of Vehicles Surveyed	Total of Vehicles Surveyed	Percent of Vehicles Surveyed		Total of Vehicles Surveyed	Percent of Vehicles Surveyed		
50	7	6%	73	123	98%	50	3	2%	73	121	97%
51	8	6%	74	124	99%	51	4	3%	74	122	98%
52	10	8%	75	124	99%	52	10	8%	75	123	98%
53	14	11%	76	124	99%	53	18	14%	76	124	99%
54	18	14%	77	124	99%	54	22	18%	77	124	99%
55	23	18%	78	124	99%	55	27	22%	78	125	100%
56	28	22%	79	124	99%	56	37	30%	79	125	100%
57	34	27%	80	124	99%	57	39	31%	80	125	100%
58	45	36%	81	124	99%	58	46	37%	81	125	100%
59	52	42%	82	125	100%	59	51	41%	82	125	100%
60	57	46%	83	125	100%	60	65	52%	83	125	100%
61	66	53%	84	125	100%	61	72	58%	84	125	100%
62	68	54%	85	125	100%	62	78	62%	85	125	100%
63	72	58%	86	125	100%	63	82	66%	86	125	100%
64	81	65%	87	125	100%	64	89	71%	87	125	100%
65	88	70%	88	125	100%	65	96	77%	88	125	100%
66	96	77%	89	125	100%	66	103	82%	89	125	100%
67	105	84%	90	125	100%	67	107	86%	90	125	100%
68	112	90%	91	125	100%	68	114	91%	91	125	100%
69	119	95%	92	125	100%	69	116	93%	92	125	100%
70	122	98%	93	125	100%	70	117	94%	93	125	100%
71	123	98%	94	125	100%	71	121	97%	94	125	100%
72	123	98%	95	125	100%	72	121	97%	95	125	100%

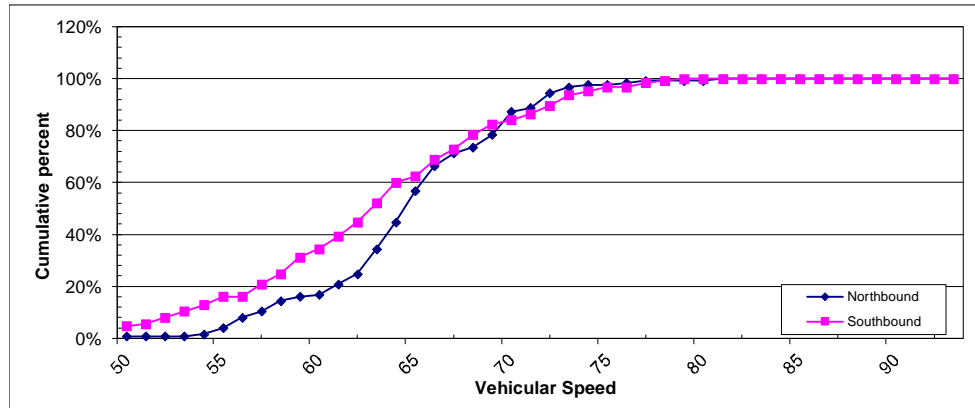
Spot Speed Study SH 45 just south of toll booth

Northbound 85% speed is: **70 MPH**
Southbound 85% speed is: **71 MPH**

Date: 9/30/2020
Posted Speed: 65 MPH

Begin Time: 8:00 AM
End Time: 10:00 AM

Speed	Northbound	Southbound
50	1	6
51	0	1
52	0	3
53	0	3
54	1	3
55	3	4
56	5	0
57	3	6
58	5	5
59	2	8
60	1	4
61	5	6
62	5	7
63	12	9
64	13	10
65	15	3
66	12	8
67	6	5
68	3	7
69	6	5
70	11	2
71	2	3
72	7	4
73	3	5
74	1	2
75	0	2
76	1	0
77	1	2
78	0	1
79	0	1
80	0	0
81	1	0
82	0	0
83	0	0
84	0	0
85	0	0
86	0	0
87	0	0
88	0	0
89	0	0
90	0	0
91	0	0
92	0	0
93	0	0
94	0	0
95	0	0
Total:	125	125



	Northbound				Southbound						
	Cumulative			Cumulative		Cumulative			Cumulative		
	Total of Vehicles Surveyed	Percent of Vehicles Surveyed		Total of Vehicles Surveyed	Percent of Vehicles Surveyed	Total of Vehicles Surveyed	Percent of Vehicles Surveyed		Total of Vehicles Surveyed	Percent of Vehicles Surveyed	
50	1	1%	73	121	97%	50	6	5%	73	117	94%
51	1	1%	74	122	98%	51	7	6%	74	119	95%
52	1	1%	75	122	98%	52	10	8%	75	121	97%
53	1	1%	76	123	98%	53	13	10%	76	121	97%
54	2	2%	77	124	99%	54	16	13%	77	123	98%
55	5	4%	78	124	99%	55	20	16%	78	124	99%
56	10	8%	79	124	99%	56	20	16%	79	125	100%
57	13	10%	80	124	99%	57	26	21%	80	125	100%
58	18	14%	81	125	100%	58	31	25%	81	125	100%
59	20	16%	82	125	100%	59	39	31%	82	125	100%
60	21	17%	83	125	100%	60	43	34%	83	125	100%
61	26	21%	84	125	100%	61	49	39%	84	125	100%
62	31	25%	85	125	100%	62	56	45%	85	125	100%
63	43	34%	86	125	100%	63	65	52%	86	125	100%
64	56	45%	87	125	100%	64	75	60%	87	125	100%
65	71	57%	88	125	100%	65	78	62%	88	125	100%
66	83	66%	89	125	100%	66	86	69%	89	125	100%
67	89	71%	90	125	100%	67	91	73%	90	125	100%
68	92	74%	91	125	100%	68	98	78%	91	125	100%
69	98	78%	92	125	100%	69	103	82%	92	125	100%
70	109	87%	93	125	100%	70	105	84%	93	125	100%
71	111	89%	94	125	100%	71	108	86%	94	125	100%
72	118	94%	95	125	100%	72	112	90%	95	125	100%

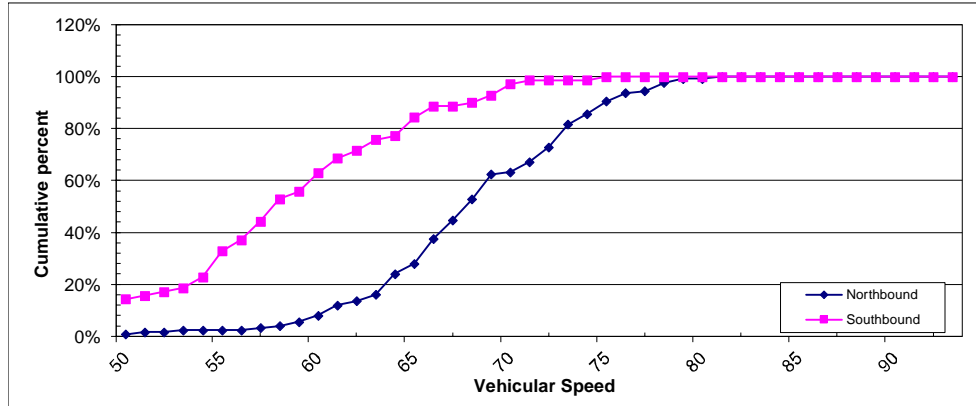
Spot Speed Study SH 45 about .4 miles north of Bear Creek

Northbound 85% speed is: **74 MPH**
Southbound 85% speed is: **66 MPH**

Date: 9/30/2021
Posted Speed: 65 MPH

Begin Time: 8:00 AM
End Time: 10:00 AM

Speed	Northbound	Southbound
50	1	10
51	1	1
52	0	1
53	1	1
54	0	3
55	0	7
56	0	3
57	1	5
58	1	6
59	2	2
60	3	5
61	5	4
62	2	2
63	3	3
64	10	1
65	5	5
66	12	3
67	9	0
68	10	1
69	12	2
70	1	3
71	5	1
72	7	0
73	11	0
74	5	0
75	6	1
76	4	0
77	1	0
78	4	0
79	2	0
80	0	0
81	1	0
82	0	0
83	0	0
84	0	0
85	0	0
86	0	0
87	0	0
88	0	0
89	0	0
90	0	0
91	0	0
92	0	0
93	0	0
94	0	0
95	0	0
Total:	125	70



Northbound					Southbound						
Cumulative			Cumulative		Cumulative			Cumulative			
Total of Vehicles Surveyed	Percent of Vehicles Surveyed		Total of Vehicles Surveyed	Percent of Vehicles Surveyed	Total of Vehicles Surveyed	Percent of Vehicles Surveyed		Total of Vehicles Surveyed	Percent of Vehicles Surveyed		
50	1	1%	73	102	82%	50	10	14%	73	69	99%
51	2	2%	74	107	86%	51	11	16%	74	69	99%
52	2	2%	75	113	90%	52	12	17%	75	70	100%
53	3	2%	76	117	94%	53	13	19%	76	70	100%
54	3	2%	77	118	94%	54	16	23%	77	70	100%
55	3	2%	78	122	98%	55	23	33%	78	70	100%
56	3	2%	79	124	99%	56	26	37%	79	70	100%
57	4	3%	80	124	99%	57	31	44%	80	70	100%
58	5	4%	81	125	100%	58	37	53%	81	70	100%
59	7	6%	82	125	100%	59	39	56%	82	70	100%
60	10	8%	83	125	100%	60	44	63%	83	70	100%
61	15	12%	84	125	100%	61	48	69%	84	70	100%
62	17	14%	85	125	100%	62	50	71%	85	70	100%
63	20	16%	86	125	100%	63	53	76%	86	70	100%
64	30	24%	87	125	100%	64	54	77%	87	70	100%
65	35	28%	88	125	100%	65	59	84%	88	70	100%
66	47	38%	89	125	100%	66	62	89%	89	70	100%
67	56	45%	90	125	100%	67	62	89%	90	70	100%
68	66	53%	91	125	100%	68	63	90%	91	70	100%
69	78	62%	92	125	100%	69	65	93%	92	70	100%
70	79	63%	93	125	100%	70	68	97%	93	70	100%
71	84	67%	94	125	100%	71	69	99%	94	70	100%
72	91	73%	95	125	100%	72	69	99%	95	70	100%

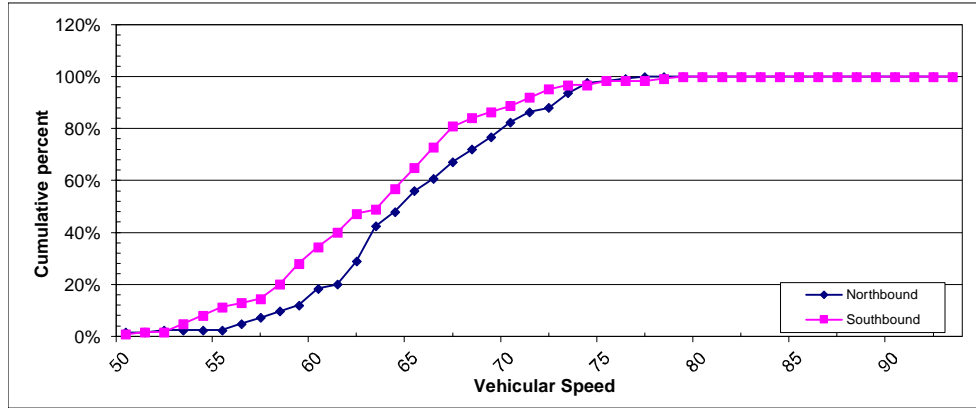
Spot Speed Study SH 45 south of Loop 1 interchange

Northbound 85% speed is: **71 MPH**
Southbound 85% speed is: **69 MPH**

Date: 9/30/2021
Posted Speed: 65 MPH

Begin Time: 8:00 AM
End Time: 10:00 AM

Speed	Northbound	Southbound
50	2	1
51	0	1
52	1	0
53	0	4
54	0	4
55	0	4
56	3	2
57	3	2
58	3	7
59	3	10
60	8	8
61	2	7
62	11	9
63	17	2
64	7	10
65	10	10
66	6	10
67	8	10
68	6	4
69	6	3
70	7	3
71	5	4
72	2	4
73	7	2
74	5	0
75	1	2
76	1	0
77	1	0
78	0	1
79	0	1
80	0	0
81	0	0
82	0	0
83	0	0
84	0	0
85	0	0
86	0	0
87	0	0
88	0	0
89	0	0
90	0	0
91	0	0
92	0	0
93	0	0
94	0	0
95	0	0
Total:	125	125



Northbound					Southbound						
	Cumulative			Cumulative			Cumulative			Cumulative	
	Total of Vehicles Surveyed	Percent of Vehicles Surveyed		Total of Vehicles Surveyed	Percent of Vehicles Surveyed		Total of Vehicles Surveyed	Percent of Vehicles Surveyed		Total of Vehicles Surveyed	Percent of Vehicles Surveyed
50	2	2%	73	117	94%	50	1	1%	73	121	97%
51	2	2%	74	122	98%	51	2	2%	74	121	97%
52	3	2%	75	123	98%	52	2	2%	75	123	98%
53	3	2%	76	124	99%	53	6	5%	76	123	98%
54	3	2%	77	125	100%	54	10	8%	77	123	98%
55	3	2%	78	125	100%	55	14	11%	78	124	99%
56	6	5%	79	125	100%	56	16	13%	79	125	100%
57	9	7%	80	125	100%	57	18	14%	80	125	100%
58	12	10%	81	125	100%	58	25	20%	81	125	100%
59	15	12%	82	125	100%	59	35	28%	82	125	100%
60	23	18%	83	125	100%	60	43	34%	83	125	100%
61	25	20%	84	125	100%	61	50	40%	84	125	100%
62	36	29%	85	125	100%	62	59	47%	85	125	100%
63	53	42%	86	125	100%	63	61	49%	86	125	100%
64	60	48%	87	125	100%	64	71	57%	87	125	100%
65	70	56%	88	125	100%	65	81	65%	88	125	100%
66	76	61%	89	125	100%	66	91	73%	89	125	100%
67	84	67%	90	125	100%	67	101	81%	90	125	100%
68	90	72%	91	125	100%	68	105	84%	91	125	100%
69	96	77%	92	125	100%	69	108	86%	92	125	100%
70	103	82%	93	125	100%	70	111	89%	93	125	100%
71	108	86%	94	125	100%	71	115	92%	94	125	100%
72	110	88%	95	125	100%	72	119	95%	95	125	100%

Appendix C

Study Area Strip Map



SH 45SW Toll Strip Map

- LEGEND
- SH 45SW Toll Road
 - Ramps
 - = Bridge
 - Direct Connector

Approximate Distance (feet)

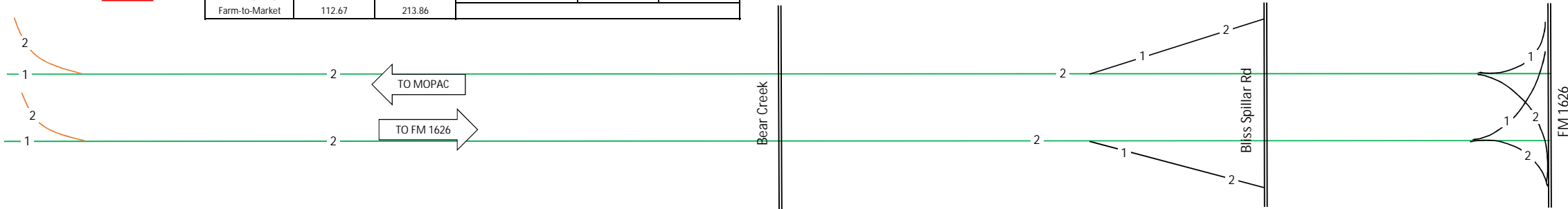
0 | 500 | 1000 | 1500 | 2000 | 2500 | 3000 | 3500 | 4000 | 4500 | 5000 | 5500 | 6000 | 6500 | 7000 | 7500 | 8000 | 8500 | 9000 | 9500 | 10000 | 10500 | 11000 | 11500 | 12000 | 12500 | 13000 | 13500 | 14000 | 14500 | 15000 | 15500 | 16000 | 16500 | 17000 | 17500 | 18000

Approximate Distance (feet)

Northbound SH 45SW	Crash Rate Per 100 MVMT	0*		0*		0*		0*	
	85% Speed (MPH)	71		74		70		68	
	Bridges	Bear Creek							
	Traffic signals								
	Surface width and type	40' TYPICAL SURFACE WIDTH, ASPHALT		32' TYPICAL SURFACE WIDTH, ASPHALT		40' TYPICAL SURFACE WIDTH, ASPHALT		40' TYPICAL SURFACE WIDTH, ASPHALT	
	Zone Length	3.6 MILES							
Posted Speed limit	65 MPH		65 MPH		65 MPH		65 MPH		



TxDOT 2020 STATEWIDE TRAFFIC CRASH RATES					
Highway System	Traffic Crashes Per 100 million vehicle miles		Road Type	Traffic Crashes Per 100 million vehicle miles	
	Rural	Urban		Rural	Urban
Interstate	49.33	127.94	2 lane, 2 way	90.42	184.09
US Highway	61.91	169.27	4 or more lanes, divided	52.76	140.68
State Highway	79.92	188.41	4 or more lanes, undivided	87.76	271.82
Farm-to-Market	112.67	213.86			



Study Area
SH 45SW between MoPac & FM 1626

Southbound SH 45SW	Posted Speed limit	65 MPH		65 MPH		65 MPH		65 MPH	
	Zone Length	3.6 mi							
	Surface width and type	40' TYPICAL SURFACE WIDTH, ASPHALT		32' TYPICAL SURFACE WIDTH, ASPHALT		40' TYPICAL SURFACE WIDTH, ASPHALT		40' TYPICAL SURFACE WIDTH, ASPHALT	
	Traffic signals								
	Bridges	Bear Creek							
	85% Speed (MPH)	69		66		71		67	
Crash Rate Per 100 MVMT	0*		0*		0*		0*		

*The TxDOT CRIS recorded no crashes on SH 45SW Toll Road between the June 2019 opening c

- LEGEND
- SH 45SW Toll Road
 - Ramps
 - = Bridge
 - Direct Connector



CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY

183 Toll 2022 Speed Zone Study

Prepared For:

Central Texas Regional Mobility Authority

Prepared by:

ATKINS

Cesar R. Nevarez, P.E.

March 9, 2022

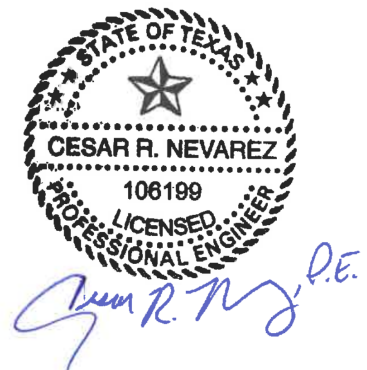


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1.2	Typical Sections.....	4
2.	Speed Zone Study Methodology.....	4
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	Appendix A: Southbound Radar Speed Data	
	Appendix B: Northbound Radar Speed Data	
	Appendix C: Strip Map	

1. Introduction

183 Toll was completed and opened to the public in phases with the north end opening in August 2019, and the south end opening in early 2021. The toll road consists of 8 miles of tolled mainlanes and non-tolled frontage roads, beginning at US 290 and ending at SH 71 in East Austin. These tolled lanes will serve to decrease travel times to and from the Austin-Bergstrom International Airport. The Central Texas Regional Mobility Authority has requested a speed study be conducted to establish speed zones on the newly completed mainlanes. Based on this study, determined speed limits may not exceed 75 miles per hour according to section 545.354 of the Texas Transportation Code. This report will summarize the results of the speed study conducted for the 183 Toll. See Figure 1 below for a layout of the study area.

The Texas Department of Transportation (TxDOT) Austin District will conduct a separate speed zone study to determine the speed zones at the US 183 Frontage Roads, Airport Interchange and SH 71.

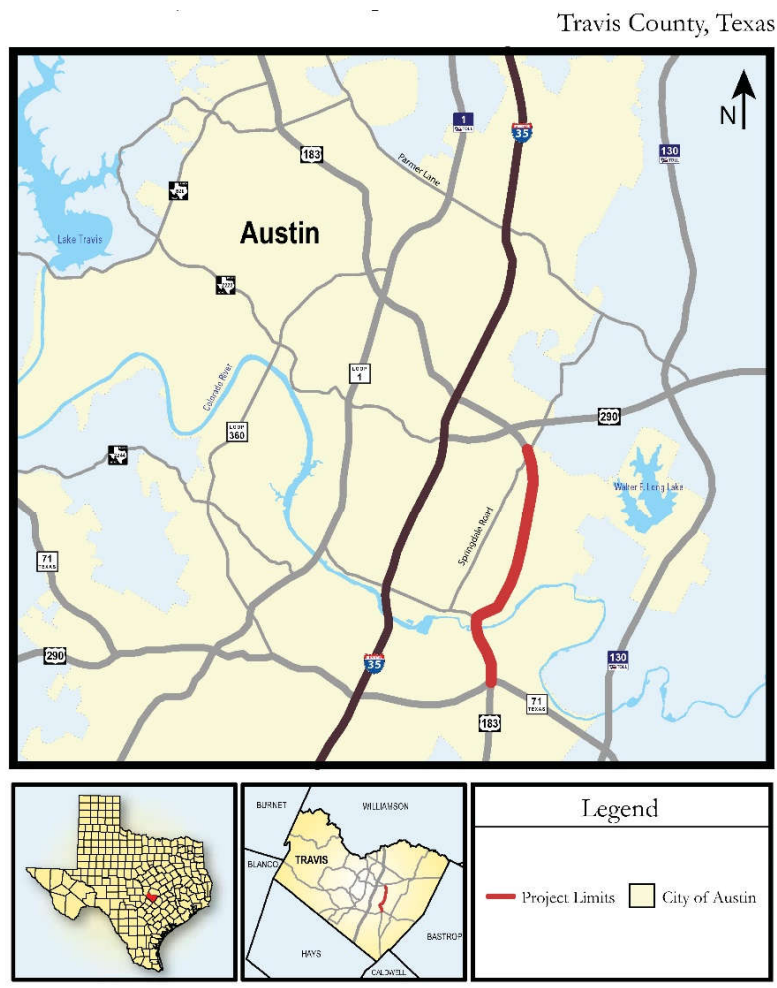


Figure 1: 183 Toll Location Map

1.1 Existing Conditions

North of US 290, the existing 65 miles per hour speed limit on US 183 was established via Minute Order 111660 on December 8, 2008. Currently the section North of US 290 is under construction (183/I-35 Connector Project) and the speed limit was reduced to 55 miles per hour work zone speed via a Minute Order. South of SH 71, the existing speed limit is 55 miles per hour.

1.2 Typical Sections

The typical section of the mainlanes on the 183 Toll consists of three 12-foot-wide lanes with a 10-foot-wide shoulder on each side. 183 Toll consists of at grade, depressed and elevated sections. All lanes and shoulders were designed to meet TxDOT design standards.

2. Speed Zone Study Methodology

The *Procedures for Establishing Speed Zones* revised by the Texas Department of Transportation (TxDOT) in August 2015 was used as a guide in conducting this speed study.

Radar data was collected on 125 vehicles travelling in each direction, at each of 30 selected locations, on the mainlanes to determine the 85th percentile speed. The locations selected were located midway between on and off ramps to avoid collecting data on vehicles speeding up to enter the mainlanes or slowing down to exit the mainlanes. The results from this data collection can be seen in Appendix A, Southbound Radar Speed Data, and Appendix B, Northbound Radar Speed Data. The data was collected on clear weather days between November 4th and 9th, 2021. The CTRMA has not received crash data for the mainlanes collected since opening that would impact the recommendations. Crash data is collected monthly and will be monitored by Mobility Authority Staff.

2.1 85th Percentile Speed

The data collected from the speed study was used to determine the 85th percentile speed. This represents the speed at which 85% of the vehicles surveyed are traveling at or below. According to TxDOT recommendations, the speed limit should be set near to the 85th percentile speed as observed through a speed study. The observed 85th percentile speeds can be seen below in Table 1, southbound, and Table 2, northbound, along with the maximum speed observed.

In addition, the ramp advisory speeds were determined using the Texas Curve Evaluation Suite (TCES) methodology. The required information (curve length, coordinates, etc.) was collected by a traffic data collection company. The data was uploaded into a TCES spreadsheet where results were computed and analyzed, per the Texas Manual on Uniform Traffic Control Devices (TMUTCD).

Table 1: 183 Toll Southbound Speed Data

183 Toll Southbound Speed Data		
Location	85 th Percentile Speed (mph)	Observed Maximum Speed (mph)
South of US 290	70	>80
North of Manor Rd	71	>80
South of Manor Rd	72	>80
South of Purple Sage Rd #1	73	>80
South of Purple Sage Rd #2	73	>80
North of Loyola Ln	73	79
South of Loyola Ln #1	79	>80
South of Loyola Ln #2	76	>80
North of E 51st St	77	>80
South of E 51st St	75	>80
North of FM 969	77	>80
South of FM 969	77	>80
South of Marcel Gres Dr	80	>80
North of Techni Center Dr	79	>80
South of Bluestein Dr	80	>80
North of Hudson St	77	>80
South of Harold Ct	79	>80
North of Thurgood Ave	78	>80
North of Smith Rd	80	>80
South of Eastgate Rd	78	>80
North of Bolm Rd	78	>80
North of Interchange Blvd	78	>80
North of Howard Rd	76	>80
North of Levander Loop	64	70
North of Montopolis Dr	65	78
North of Saxon Ln	72	>80
South of Vargas Rd	74	>80
South of Bergstrom Storage	68	>80
South of Palm Harbor Homes	60	72
South of Wells Fargo Bank	71	>80
Average	75	>80

Locations were not included in the average calculations since motorists are approaching an area currently under construction (183/I-35 Connector Project) and the speed limit was reduced to 55 miles per hour during the speed zone study.

Locations were not included in the average calculations since these are within the speed transition zones.

Table 2: 183 Toll Northbound Speed Data

183 Toll Northbound Speed Data		
Location	85 th Percentile Speed (mph)	Observed Maximum Speed (mph)
South of US 290	71	79
North of Manor Rd	69	>80
South of Manor Rd	70	77
South of Purple Sage Dr	76	>80
North of Loyola Ln #1	79	>80
North of Loyola Ln #2	72	78
South of Loyola Ln	69	78
North of Little Walnut Creek	73	79
North of FM 969 #1	80	>80
North of FM 969 #2	79	>80
North of FM 969 #3	77	>80
South of FM 969	70	75
South of Tracor Ln	69	>80
North of Techni Center Dr	68	78
South of Central Ave	68	>80
North of Hudson St	68	78
North of Walnut Creek Trail	70	78
South of Walnut Creek Trail	69	78
South of Alleyton Dr	69	77
South of Smith Rd	78	>80
North of Bolm Rd	77	>80
South of N Howard Rd #2	67	72
North of Howard Rd	73	79
South of N Howard Rd #2	71	77
North of Montopolis Dr	75	>80
South of Montopolis Dr	68	73
North of Thompson Ln	72	>80
South of Thompson Ln	71	>80
North of Patton Ave	68	74
North of Southside Wrecker	73	79
Average	72	79

Locations were not included in the average calculations since motorists are approaching an area currently under construction (183/I-35 Connector Project) and the speed limit was reduced to 55 miles per hour during the speed zone study.

Locations were not included in the average calculations since these are within the speed transition zones.

2.2 Strip Map

A strip map of the study area was created to reflect the existing geometric features of the roadway, pavement details, right of way widths, existing signs, crossroads, bridge structures, rail ways, and water ways. The strip map was then used to review the speed data and speed zones in coordination with the existing features of the roadway to determine a suitable speed limit. The complete strip maps for the study area can be seen in Appendix C.

3. Recommended Speed Zone

Upon examination of the data collected and shown in the appendices, it was determined that the results support the establishment of a 75 mile per hour speed zone along the entirety of the 183 Toll corridor. This speed zone study followed TxDOT's *Procedures for Establishing Speed Zones*. In addition, the change in speed between two adjacent zones should not be greater than 15 miles per hour at each end of the study area.

In conclusion, the 183/I-35 Connector Project (section North of US 290) under construction did impact the speed zone study during the speed data collection, which is reflected on Table 1 for the 183 Toll Northbound approach. Motorists approaching the 183 Toll North end of the study area reduced their speeds as construction signage became visible.

Appendix A

Southbound Radar Speed Data



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/04/2021 County: Travis Hwy: US 183 ML Location: South of US 290

Time (from): 09:00 AM (to): 11:00 AM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Southbound			Direction:			Direction:	Direction:	
>80			125						>80
79									79
78									78
77			123						77
76			122						76
75			121						75
74			116						74
73			114						73
72			112						72
71			111						71
70			106						70
69			101						69
68			93						68
67			89						67
66			84						66
65			74						65
64			66						64
63			59						63
62			52						62
61			47						61
60			40						60
59			30						59
58			24						58
57			20						57
56			17						56
55									55
54			14						54
53			12						53
52			10						52
51			8						51
50			7						50
49									49
48									48
47									47
46			4						46
45									45
44			1						44
43									43
42									42
41									41
40									40
39									39
38									38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			70	85th Percentile Speed (m.p.h.):					

Recorder: Robby Nichol



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Form 1882
(Rev. 3/19)
Page 1 of 2

Date: 11/04/2021 County: Travis Hwy: US 183 ML Location: North of Manor Rd

Time (from): 09:10 AM (to): 11:10 AM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Southbound			Direction:			Direction:	Direction:	
>80			125						>80
79			123						79
78									78
77			122						77
76			121						76
75			119						75
74									74
73			118						73
72			116						72
71			110						71
70			103						70
69			96						69
68			87						68
67			84						67
66			73						66
65			66						65
64			56						64
63			46						63
62			40						62
61			37						61
60			30						60
59			25						59
58			17						58
57			12						57
56			11						56
55			9						55
54									54
53			8						53
52									52
51			7						51
50									50
49			6						49
48			5						48
47									47
46			3						46
45			2						45
44									44
43									43
42									42
41									41
40									40
39									39
38									38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			71	85th Percentile Speed (m.p.h.):					

Recorder: Robby Nichol



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/04/2021 County: Travis Hwy: US 183 ML Location: South of Manor Rd

Time (from): 09:15 AM (to): 11:15 AM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Southbound			Direction:			Direction:	Direction:	
>80			125						>80
79									79
78			123						78
77									77
76									76
75			121						75
74			118						74
73			115						73
72			108						72
71			105						71
70			99						70
69			98						69
68			95						68
67			91						67
66			85						66
65			72						65
64			62						64
63			56						63
62			47						62
61			39						61
60			34						60
59			29						59
58			25						58
57			21						57
56			19						56
55			11						55
54			7						54
53			6						53
52			4						52
51									51
50									50
49									49
48									48
47			3						47
46			1						46
45									45
44									44
43									43
42									42
41									41
40									40
39									39
38									38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			72	85th Percentile Speed (m.p.h.):					

Recorder: Robby Nichol



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/04/2021 County: Travis Hwy: US 183 ML Location: South of Purple Sage Rd

Time (from): 9:20 AM (to): 11:20 AM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Southbound			Direction:			Direction:	Direction:	
>80			125						>80
79			123						79
78			122						78
77			120						77
76			117						76
75			115						75
74			111						74
73			108						73
72			103						72
71			96						71
70			91						70
69			80						69
68			71						68
67			57						67
66			44						66
65			30						65
64			23						64
63			17						63
62			12						62
61			9						61
60			7						60
59			6						59
58			5						58
57									57
56									56
55									55
54			4						54
53			3						53
52			2						52
51									51
50			1						50
49									49
48									48
47									47
46									46
45									45
44									44
43									43
42									42
41									41
40									40
39									39
38									38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			73	85th Percentile Speed (m.p.h.):					

Recorder: Robby Nichol



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

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Date: 11/04/2021 County: Travis Hwy: US 183 ML Location: South of Purle Sage Rd

Time (from): 09:25 AM (to): 11:25 AM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Southbound			Direction:			Direction:	Direction:	
>80			125						>80
79									79
78									78
77			123						77
76			122						76
75			117						75
74			113						74
73			109						73
72			105						72
71			98						71
70			88						70
69			82						69
68			72						68
67			62						67
66			54						66
65			46						65
64			38						64
63			28						63
62			20						62
61			18						61
60			11						60
59			10						59
58									58
57			9						57
56			6						56
55			5						55
54									54
53									53
52									52
51									51
50			3						50
49			2						49
48									48
47			1						47
46									46
45									45
44									44
43									43
42									42
41									41
40									40
39									39
38									38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			73	85th Percentile Speed (m.p.h.):					

Recorder: Blake Anderson



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Form 1882
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Page 1 of 2

Date: 11/04/2021 County: Travis Hwy: US 183 ML Location: North of Loyola Ln

Time (from): 02:00 PM (to): 03:30 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Southbound			Direction:			Direction:	Direction:	
>80									>80
79	I		125						79
78	II		124						78
77	III		122						77
76	IIII		119						76
75	II		113						75
74	IIII		111						74
73	IIII		106						73
72	IIII		101						72
71	II		96						71
70	III		94						70
69	IIIIIIII		91						69
68	IIII		81						68
67	IIIIIIIIII		75						67
66	IIIIII		61						66
65	IIIIIIIIII		52						65
64	IIIIII		36						64
63	IIIIII		27						63
62	III		19						62
61	II		16						61
60	II		14						60
59	II		12						59
58	II		10						58
57	I		8						57
56	III		7						56
55	I		4						55
54									54
53	I		3						53
52	I		2						52
51									51
50									50
49									49
48	I		1						48
47									47
46									46
45									45
44									44
43									43
42									42
41									41
40									40
39									39
38									38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			73	85th Percentile Speed (m.p.h.):					

Recorder: Robby Nichol



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/04/2021 County: Travis Hwy: US 183 ML Location: South of Loyola Ln

Time (from): 02:00 PM (to): 03:30 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Southbound			Direction:			Direction:	Direction:	
>80			125						>80
79			110						79
78			105						78
77			99						77
76			94						76
75			89						75
74			79						74
73			72						73
72			61						72
71			52						71
70			46						70
69			41						69
68			35						68
67			27						67
66			24						66
65			17						65
64			16						64
63			10						63
62									62
61			8						61
60			6						60
59			4						59
58									58
57									57
56			2						56
55									55
54			1						54
53									53
52									52
51									51
50									50
49									49
48									48
47									47
46									46
45									45
44									44
43									43
42									42
41									41
40									40
39									39
38									38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			79	85th Percentile Speed (m.p.h.):					

Recorder: Blake Anderson



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

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Date: 11/04/2021 County: Travis Hwy: US 183 ML Location: South of Loyola Ln

Time (from): 02:07 PM (to): 3:37 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Southbound			Direction:			Direction:	Direction:	
>80			125						>80
79			114						79
78			112						78
77			110						77
76			109						76
75			102						75
74			99						74
73			94						73
72			93						72
71			84						71
70			77						70
69			73						69
68			67						68
67			55						67
66			47						66
65			42						65
64			38						64
63			34						63
62			32						62
61			29						61
60			27						60
59									59
58			23						58
57			20						57
56									56
55									55
54			19						54
53			18						53
52									52
51			17						51
50			14						50
49			13						49
48			10						48
47									47
46			9						46
45									45
44			8						44
43			5						43
42			4						42
41			3						41
40									40
39									39
38			1						38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			76	85th Percentile Speed (m.p.h.):					

Recorder: Robby Nichol



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

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Date: 11/04/2021 County: Travis Hwy: US 183 ML Location: North of E 51st St

Time (from): 02:08 PM (to): 3:39 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Southbound			Direction:			Direction:	Direction:	
>80			125						>80
79			113						79
78			109						78
77			106						77
76			98						76
75			95						75
74			91						74
73			86						73
72			79						72
71			71						71
70			60						70
69			51						69
68			42						68
67			37						67
66			30						66
65			24						65
64			23						64
63			19						63
62			17						62
61			13						61
60			11						60
59			10						59
58									58
57									57
56									56
55			6						55
54			5						54
53			4						53
52			3						52
51			2						51
50									50
49			1						49
48									48
47									47
46									46
45									45
44									44
43									43
42									42
41									41
40									40
39									39
38									38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			77	85th Percentile Speed (m.p.h.):					

Recorder: Blake Anderson



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/04/2021 County: Travis Hwy: US 183 ML Location: South of E 51st St

Time (from): 02:14 PM (to): 03:45 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Southbound			Direction:			Direction:	Direction:	
>80			125						>80
79			116						79
78			111						78
77									77
76									76
75			108						75
74			105						74
73			102						73
72			92						72
71			85						71
70			79						70
69			73						69
68			67						68
67									67
66			62						66
65			57						65
64			52						64
63			48						63
62			42						62
61			41						61
60			38						60
59			32						59
58			29						58
57			27						57
56			25						56
55			24						55
54									54
53			23						53
52									52
51			22						51
50			20						50
49									49
48									48
47			19						47
46									46
45									45
44			15						44
43			12						43
42									42
41									41
40									40
39									39
38									38
37									37
36			9						36
35			8						35
34			7						34
33			4						33
32			3						32
31			2						31
<30			1						<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			75	85th Percentile Speed (m.p.h.):					

Recorder: Robby Nichol



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

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Date: 11/4/2021 County: Travis Hwy: US 183 ML Location: North of FM 969

Time (from): 02:14 PM (to): 03:45 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Southbound			Direction:			Direction:	Direction:	
>80			125						>80
79			113						79
78			112						78
77			107						77
76			100						76
75			95						75
74			89						74
73			85						73
72			81						72
71			76						71
70			63						70
69			62						69
68			53						68
67			46						67
66			40						66
65			38						65
64			31						64
63			24						63
62			19						62
61			18						61
60			17						60
59									59
58									58
57			14						57
56			12						56
55			11						55
54			10						54
53									53
52									52
51									51
50			9						50
49									49
48			8						48
47			7						47
46									46
45									45
44			6						44
43			5						43
42									42
41			4						41
40			3						40
39									39
38			2						38
37			1						37
36									36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			77	85th Percentile Speed (m.p.h.):					

Recorder: Blake Anderson



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

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Date: 11/04/2021 County: Travis Hwy: US 183 ML Location: South of FM 969

Time (from): 02:19 PM (to): 03:50 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES	Cumulative Total	AUTOMOBILES	Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Southbound		Direction:		Direction:	Direction:	
>80		125					>80
79		114					79
78		111					78
77		108					77
76		103					76
75		98					75
74		90					74
73		85					73
72		78					72
71		71					71
70		63					70
69		56					69
68		50					68
67		38					67
66		34					66
65		31					65
64		27					64
63		20					63
62		17					62
61		15					61
60		10					60
59							59
58							58
57		7					57
56							56
55		6					55
54							54
53							53
52							52
51		3					51
50							50
49							49
48							48
47							47
46							46
45							45
44							44
43							43
42							42
41							41
40							40
39							39
38							38
37							37
36							36
35							35
34							34
33							33
32		2					32
31							31
<30		1					<30
	Total Automobiles	125	Total Automobiles				
		x 0.85		x 0.85			
	85th Percentile Automobile:	106	85th Percentile Automobile:				
	85th Percentile Speed (m.p.h.):	77	85th Percentile Speed (m.p.h.):				

Recorder: Robby Nichol



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/04/2021 County: Travis Hwy: US 183 ML Location: South of Marcel Gres Dr

Time (from): 02:20 PM (to): 03:50 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Southbound			Direction:			Direction:	Direction:	
>80			125						>80
79			104						79
78			100						78
77			95						77
76			88						76
75			83						75
74			77						74
73			71						73
72			60						72
71			59						71
70			51						70
69			46						69
68			34						68
67			30						67
66			22						66
65			16						65
64			12						64
63			8						63
62			6						62
61									61
60									60
59									59
58									58
57									57
56			4						56
55									55
54			3						54
53									53
52									52
51									51
50									50
49									49
48									48
47									47
46									46
45									45
44									44
43									43
42									42
41									41
40									40
39									39
38									38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			80	85th Percentile Speed (m.p.h.):					

Recorder: Blake Anderson



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/04/2021 County: Travis Hwy: US 183 Location: North of Techni Center Dr

Time (from): 02:25 PM (to): 03:55 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Southbound			Direction:			Direction:	Direction:	
>80			125						>80
79			109						79
78			101						78
77			99						77
76			93						76
75			84						75
74			79						74
73			73						73
72			67						72
71			64						71
70			53						70
69			51						69
68			43						68
67			41						67
66			39						66
65			36						65
64			31						64
63			23						63
62			21						62
61			20						61
60			16						60
59			15						59
58									58
57									57
56			13						56
55									55
54			9						54
53			8						53
52			6						52
51			4						51
50			3						50
49			2						49
48									48
47									47
46									46
45									45
44									44
43									43
42									42
41									41
40									40
39									39
38									38
37			1						37
36									36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			79	85th Percentile Speed (m.p.h.):					

Recorder: Robby Nichol



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

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Date: 11/04/2021 County: Travis Hwy: US 183 ML Location: South of Bluestein Dr

Time (from): 02:25 PM (to): 03:55 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Southbound			Direction:			Direction:	Direction:	
>80			125						>80
79			93						79
78			88						78
77			79						77
76			68						76
75			63						75
74			60						74
73			50						73
72			48						72
71			44						71
70			38						70
69			33						69
68			29						68
67			28						67
66			25						66
65			22						65
64			17						64
63			16						63
62			14						62
61			13						61
60			11						60
59			9						59
58			8						58
57			6						57
56									56
55			5						55
54			4						54
53									53
52			3						52
51									51
50									50
49									49
48									48
47									47
46									46
45									45
44									44
43									43
42									42
41									41
40									40
39									39
38									38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30			1						<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			80	85th Percentile Speed (m.p.h.):					

Recorder: Blake Anderson



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

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Date: 11/04/2021 County: Travis Hwy: US 183 ML Location: North of Hudson St

Time (from): 02:31 PM (to): 04:01 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Southbound			Direction:			Direction:	Direction:	
>80			125						>80
79			117						79
78			113						78
77			109						77
76			103						76
75			98						75
74			96						74
73			95						73
72			86						72
71			77						71
70			73						70
69			65						69
68			55						68
67			43						67
66			32						66
65			28						65
64			26						64
63			23						63
62			19						62
61			17						61
60			16						60
59			15						59
58									58
57			14						57
56			12						56
55									55
54			10						54
53									53
52			7						52
51			5						51
50			4						50
49			2						49
48									48
47									47
46			1						46
45									45
44									44
43									43
42									42
41									41
40									40
39									39
38									38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			77	85th Percentile Speed (m.p.h.):					

Recorder: Robby Nichol



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Form 1882
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Date: 11/04/2021 County: Travis Hwy: US 183 ML Location: South of Harold Ct

Time (from): 02:32 PM (to): 04:02 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Southbound			Direction:			Direction:	Direction:	
>80			125						>80
79			108						79
78			101						78
77			92						77
76			82						76
75			77						75
74			72						74
73			61						73
72			49						72
71			39						71
70			35						70
69			28						69
68			21						68
67			16						67
66			15						66
65			11						65
64			9						64
63			8						63
62			7						62
61			5						61
60			4						60
59			2						59
58									58
57									57
56			1						56
55									55
54									54
53									53
52									52
51									51
50									50
49									49
48									48
47									47
46									46
45									45
44									44
43									43
42									42
41									41
40									40
39									39
38									38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			79	85th Percentile Speed (m.p.h.):					

Recorder: Blake Anderson



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

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Date: 11/04/2021 County: Travis Hwy: US 183 ML Location: North of Thurgood Ave

Time (from): 02:36 PM (to): 04:06 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Southbound			Direction:			Direction:	Direction:	
>80			125						>80
79			111						79
78			106						78
77			100						77
76			96						76
75			93						75
74			87						74
73			80						73
72			76						72
71			68						71
70			57						70
69			46						69
68			31						68
67			24						67
66			21						66
65			19						65
64			16						64
63			14						63
62			13						62
61									61
60			10						60
59									59
58			9						58
57			7						57
56			6						56
55			5						55
54									54
53			3						53
52									52
51									51
50									50
49									49
48									48
47			2						47
46									46
45									45
44									44
43									43
42									42
41									41
40									40
39									39
38									38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			78	85th Percentile Speed (m.p.h.):					

Recorder: Robby Nichol



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

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Date: 11/04/2021 County: Travis Hwy: US 183 ML Location: North of Smith Rd

Time (from): 02:36 PM (to): 04:06 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Southbound			Direction:			Direction:	Direction:	
>80			125						>80
79			92						79
78			86						78
77			79						77
76			71						76
75			64						75
74			59						74
73			50						73
72			44						72
71			36						71
70			27						70
69			21						69
68			17						68
67			14						67
66			13						66
65			9						65
64			8						64
63			7						63
62									62
61									61
60									60
59									59
58									58
57									57
56									56
55									55
54									54
53									53
52			6						52
51			5						51
50									50
49									49
48									48
47									47
46			3						46
45									45
44			2						44
43									43
42									42
41									41
40									40
39									39
38									38
37									37
36			1						36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85						
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			80	85th Percentile Speed (m.p.h.):					

Recorder: Blake Anderson



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/04/2021 County: Travis Hwy: US 183 ML Location: South of Eastgate Rd

Time (from): 02:41 PM (to): 04:11 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Southbound			Direction:			Direction:	Direction:	
>80			125						>80
79			110						79
78			107						78
77			102						77
76			98						76
75			86						75
74			77						74
73			71						73
72			61						72
71			54						71
70			53						70
69			50						69
68			46						68
67			41						67
66			33						66
65			31						65
64			29						64
63			25						63
62			23						62
61									61
60			21						60
59			16						59
58			15						58
57									57
56			14						56
55									55
54									54
53			13						53
52			12						52
51			10						51
50			8						50
49			7						49
48									48
47			6						47
46			5						46
45									45
44			3						44
43			2						43
42									42
41									41
40									40
39									39
38									38
37									37
36									36
35			1						35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			78	85th Percentile Speed (m.p.h.):					

Recorder: Robby Nichol



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

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Date: 11/04/2021 County: Travis Hwy: US 183 ML Location: North of Bolm Rd

Time (from): 02:41 PM (to): 04:11 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Southbound			Direction:			Direction:	Direction:	
>80			125						>80
79	I		109						79
78	III		108						78
77	II		105						77
76			103						76
75		II	95						75
74			93						74
73	III		87						73
72			83						72
71	III		77						71
70			73						70
69			66						69
68			60						68
67			53						67
66			43						66
65			37						65
64	III		30						64
63	III		27						63
62			24						62
61	II		19						61
60	III		17						60
59	I		14						59
58									58
57	I		13						57
56	I		12						56
55	II		11						55
54									54
53									53
52	III		9						52
51	I		6						51
50									50
49	II		5						49
48									48
47	II		3						47
46									46
45									45
44									44
43									43
42	I		1						42
41									41
40									40
39									39
38									38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			78	85th Percentile Speed (m.p.h.):					

Recorder: Blake Anderson



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

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Date: 11/04/2021 County: Travis Hwy: US 183 ML Location: North of Interchange Blvd

Time (from): 02:47 PM (to): 04:17 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Southbound			Direction:			Direction:	Direction:	
>80			125						>80
79			113						79
78			109						78
77			105						77
76			99						76
75			96						75
74			90						74
73			88						73
72			80						72
71			68						71
70			62						70
69			51						69
68			44						68
67			35						67
66			27						66
65			21						65
64			18						64
63			17						63
62			15						62
61			14						61
60			9						60
59									59
58									58
57									57
56									56
55									55
54									54
53									53
52									52
51									51
50									50
49			7						49
48			6						48
47			5						47
46									46
45									45
44									44
43									43
42			4						42
41									41
40			3						40
39									39
38									38
37									37
36			2						36
35									35
34									34
33			1						33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			78	85th Percentile Speed (m.p.h.):					

Recorder: Robby Nichol



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/9/2021 County: Travis Hwy: US 183 Location: SB US 183 North of Levander Loop - ML #23

Time (from): 2:00 PM (to): 3:30 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Southbound			Direction:			Direction:	Direction:	
>80			125						>80
79			115						79
78			114						78
77			109						77
76			107						76
75			104						75
74			93						74
73			89						73
72			82						72
71			75						71
70			70						70
69			64						69
68			61						68
67			57						67
66			50						66
65			43						65
64			31						64
63			28						63
62			25						62
61									61
60									60
59			21						59
58			20						58
57			19						57
56			18						56
55			17						55
54			13						54
53									53
52			12						52
51			11						51
50									50
49			10						49
48									48
47			8						47
46									46
45			7						45
44									44
43			6						43
42									42
41			4						41
40			3						40
39									39
38									38
37									37
36									36
35									35
34									34
33			2						33
32									32
31									31
<30			1						<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			76	85th Percentile Speed (m.p.h.):					

Recorder: Blake Anderson



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/04/2021 County: Travis Hwy: US 183 ML Location: North of Levander Loop

Time (from): 02:48 PM (to): 4:18 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Southbound			Direction:			Direction:	Direction:	
>80									>80
79									79
78									78
77									77
76									76
75									75
74									74
73									73
72									72
71									71
70			125						70
69			124						69
68			123						68
67			119						67
66			115						66
65			112						65
64			109						64
63			104						63
62			95						62
61			89						61
60			82						60
59			75						59
58			64						58
57			56						57
56			46						56
55			36						55
54			33						54
53			28						53
52			26						52
51			20						51
50			19						50
49			16						49
48			11						48
47			7						47
46									46
45			6						45
44			5						44
43									43
42			4						42
41									41
40									40
39									39
38									38
37			2						37
36									36
35									35
34									34
33			1						33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			64	85th Percentile Speed (m.p.h.):					

Recorder: Blake Anderson



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

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Date: 11/04/2021 County: Travis Hwy: US 183 ML Location: North of Montopolis Dr

Time (from): 02:57 PM (to): 04:27 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Southbound			Direction:			Direction:	Direction:	
>80									>80
79									79
78	I		125						78
77									77
76									76
75									75
74									74
73	I		124						73
72									72
71	III		123						71
70	II		120						70
69	III		118						69
68									68
67	IIII		115						67
66	III		109						66
65	IIII		106						65
64	IIIIII		101						64
63	III		92						63
62	IIIIIIII		88						62
61	IIIIII		77						61
60	IIIIII		68						60
59	IIII		60						59
58	III		54						58
57	IIII		51						57
56	III		44						56
55	III		40						55
54	III		37						54
53	II		34						53
52	II		32						52
51	II		30						51
50	II		28						50
49	IIII		26						49
48	I		18						48
47	I		17						47
46	I		16						46
45	I		15						45
44									44
43	I		14						43
42									42
41									41
40	I		13						40
39	I		12						39
38	I		11						38
37	I		10						37
36									36
35	II		9						35
34									34
33									33
32	II		7						32
31									31
<30	IIII		5						<30
Total Automobiles			125	Total Automobiles					
			x 0.85						
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			65	85th Percentile Speed (m.p.h.):					

Recorder: Robby Nichol



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

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Date: 11/04/2021 County: Travis Hwy: US 183 ML Location: North of Saxon Ln

Time (from): 03:00 PM (to): 04:30 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Southbound			Direction:			Direction:	Direction:	
>80			125						>80
79									79
78			122						78
77			121						77
76			120						76
75			117						75
74			115						74
73			112						73
72			106						72
71			103						71
70			101						70
69			98						69
68			90						68
67			75						67
66			63						66
65			51						65
64			41						64
63			28						63
62			23						62
61			19						61
60			11						60
59			9						59
58			8						58
57			7						57
56			4						56
55									55
54			3						54
53									53
52			2						52
51									51
50									50
49									49
48									48
47									47
46									46
45									45
44									44
43									43
42									42
41									41
40									40
39									39
38									38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			72	85th Percentile Speed (m.p.h.):					

Recorder: Blake Anderson



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/9/2021 County: Travis Hwy: US 183 Location: SB US 183 South of Vargas Road - ML #27

Time (from): 2:00 PM (to): 3:30 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Southbound			Direction:			Direction:	Direction:	
>80	I		125						>80
79	II		124						79
78	I		122						78
77	II		121						77
76	IIII		119						76
75		III	114						75
74	IIIIII		111						74
73	IIII		105						73
72	IIIIIIII		100						72
71	IIIIII		90						71
70	IIIIII		83						70
69	IIIIII		75						69
68	IIIIII		69						68
67	IIIIIIIIII		63						67
66	IIII		48						66
65	IIIIIIII		44						65
64	IIIIII		34						64
63	I		28						63
62	IIII		27						62
61	I		23						61
60	IIII		22						60
59	II		18						59
58	II		16						58
57	I		14						57
56	II		13						56
55									55
54	II		11						54
53									53
52	I		9						52
51	I		8						51
50									50
49									49
48	I		7						48
47									47
46									46
45	I		6						45
44									44
43	I		5						43
42									42
41									41
40									40
39	I		4						39
38									38
37	I		3						37
36									36
35									35
34									34
33	II		2						33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			74	85th Percentile Speed (m.p.h.):					

Recorder: Robby Anderson



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/9/2021 County: Travis Hwy: US 183 Location: SB US 183 South of Bergstorm Storage - ML #28

Time (from): 2:05 PM (to): 3:35 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Southbound			Direction:			Direction:	Direction:	
>80			125						>80
79									79
78									78
77									77
76			123						76
75			121						75
74			120						74
73									73
72			117						72
71			115						71
70			114						70
69			109						69
68			108						68
67			101						67
66			99						66
65			89						65
64			81						64
63			69						63
62			62						62
61			56						61
60			51						60
59			49						59
58			44						58
57			41						57
56			34						56
55			31						55
54			29						54
53			27						53
52			26						52
51									51
50			23						50
49			22						49
48			21						48
47			17						47
46			16						46
45									45
44			15						44
43			11						43
42			9						42
41			8						41
40			7						40
39			5						39
38			2						38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			68	85th Percentile Speed (m.p.h.):					

Recorder: Robby Nichol



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/9/2021 County: Travis Hwy: US 183 Location: SB US 183 South of Palm Harbor Homes - ML #29

Time (from): 2:11 PM (to): 3:41 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES	Cumulative Total	AUTOMOBILES	Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Southbound		Direction:		Direction:	Direction:	
>80							>80
79							79
78							78
77							77
76							76
75							75
74							74
73							73
72	I	125					72
71							71
70							70
69	I	124					69
68	I	123					68
67							67
66	I	122					66
65	II	121					65
64	II	119					64
63	III	117					63
62	III	114					62
61	II	111					61
60	IIIIII	109					60
59	III	102					59
58	IIII	99					58
57	IIII	94					57
56	IIII	90					56
55	IIII	85					55
54	IIIIII	80					54
53	IIIIII	72					53
52	IIII	66					52
51	IIIIII	62					51
50	IIII	55					50
49	IIII	50					49
48	IIIIII	45					48
47	IIII	37					47
46	IIII	32					46
45	II	26					45
44	I	24					44
43	IIIIII	23					43
42	IIII	16					42
41	II	12					41
40	I	10					40
39	I	9					39
38	II	8					38
37	I	6					37
36	I	5					36
35							35
34	II	4					34
33	I	2					33
32							32
31							31
<30	I	1					<30
	Total Automobiles	125	Total Automobiles				
		x 0.85				x 0.85	
	85th Percentile Automobile:	106	85th Percentile Automobile:				
	85th Percentile Speed (m.p.h.):	60	85th Percentile Speed (m.p.h.):				

Recorder: Robby Nichol



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/9/2021 County: Travis Hwy: US 183 Location: SB US 183 South of Wells Fargo Bank - ML #30

Time (from): 2:20 PM (to): 3:50 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Southbound			Direction:			Direction:	Direction:	
>80	I		125						>80
79									79
78									78
77	I		124						77
76	II		123						76
75		II	121						75
74	II		119						74
73	IIII		117						73
72	IIII		111						72
71	II		107						71
70	IIIIII		105						70
69	IIIIIIII		97						69
68	IIIIII		86						68
67	IIIIII		78						67
66	IIIIII		69						66
65	IIIIII		60						65
64	IIIIII		53						64
63	IIII		46						63
62	IIIIII		43						62
61	IIIIII		36						61
60	IIIIII		29						60
59	IIIIII		23						59
58	II		18						58
57	IIII		16						57
56	IIII		12						56
55	IIII		8						55
54	I		5						54
53									53
52	I		4						52
51									51
50									50
49	I		3						49
48									48
47	I		2						47
46									46
45									45
44									44
43									43
42									42
41									41
40									40
39									39
38									38
37									37
36									36
35									35
34									34
33									33
32	I		1						32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			71	85th Percentile Speed (m.p.h.):					

Recorder: Robby Nichol

Appendix B

Northbound Radar Speed Data



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/04/2021 County: Travis Hwy: US 183 ML Location: South of US 290

Time (from): 9:00 AM (to): 11:00 AM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Northbound			Direction:			Direction:	Direction:	
>80									>80
79			125						79
78			123						78
77			122						77
76			121						76
75			118						75
74			114						74
73			113						73
72			109						72
71			106						71
70			102						70
69			95						69
68			94						68
67			91						67
66			83						66
65			78						65
64			66						64
63			57						63
62			52						62
61			49						61
60			42						60
59			35						59
58			29						58
57			22						57
56			19						56
55			16						55
54			13						54
53			12						53
52			9						52
51			8						51
50			7						50
49			5						49
48									48
47									47
46									46
45									45
44			4						44
43									43
42			3						42
41			2						41
40			1						40
39									39
38									38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			71	85th Percentile Speed (m.p.h.):					

Recorder: Blake Anderson



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/04/2021 County: Travis Hwy: US 183 ML Location: North of Manor Rd

Time (from): 09:10 AM (to): 11:10 AM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Northbound			Direction:			Direction:	Direction:	
>80	I		125						>80
79									79
78									78
77									77
76									76
75		II	124						75
74	I		122						74
73	II		121						73
72	IIIIIIII		119						72
71	II		111						71
70	II		109						70
69	III		107						69
68	II		103						68
67	II		101						67
66	III		99						66
65	IIIIIIII		95						65
64	IIII		86						64
63	IIIIII		81						63
62	IIII		74						62
61	IIIIII		69						61
60	IIII		62						60
59	IIII		57						59
58	IIIIII		51						58
57	IIIIII		44						57
56	III		36						56
55	II		33						55
54	I		31						54
53									53
52	IIII		30						52
51	III		25						51
50	IIII		22						50
49	III		17						49
48	III		14						48
47	I		11						47
46	I		10						46
45									45
44	I		9						44
43									43
42									42
41									41
40									40
39									39
38									38
37									37
36									36
35									35
34	I		8						34
33	I		7						33
32									32
31	III		6						31
<30	III		3						<30
Total Automobiles			125	Total Automobiles					
			x 0.85						
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			69	85th Percentile Speed (m.p.h.):					

Recorder: Blake Anderson



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/04/2021 County: Travis Hwy: US 183 ML Location: South of Manor Rd

Time (from): 09:15 AM (to): 11:15 AM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Northbound			Direction:			Direction:	Direction:	
>80									>80
79									79
78									78
77			125						77
76			123						76
75			122						75
74			121						74
73			117						73
72			116						72
71			114						71
70			111						70
69									69
68			105						68
67			104						67
66			101						66
65			98						65
64			95						64
63			87						63
62			82						62
61			76						61
60			66						60
59			61						59
58			54						58
57			46						57
56			36						56
55			29						55
54			26						54
53			20						53
52			14						52
51									51
50			10						50
49			9						49
48			6						48
47									47
46			5						46
45			4						45
44			2						44
43									43
42									42
41									41
40									40
39									39
38									38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			70	85th Percentile Speed (m.p.h.):					

Recorder: Blake Anderson



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Form 1882
(Rev. 3/19)
Page 1 of 2

Date: 11/10/2021 County: Travis Hwy: US 183 Location: NB US 183 South of Purple Sage Drive - ML #4

Time (from): 2:50 PM (to): 4:20 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Northbound			Direction:			Direction:	Direction:	
>80			125						>80
79			117						79
78			116						78
77			113						77
76			106						76
75			104						75
74			100						74
73			95						73
72			91						72
71			86						71
70			82						70
69			73						69
68			65						68
67			60						67
66			59						66
65			56						65
64			50						64
63			43						63
62			41						62
61			34						61
60			28						60
59			24						59
58									58
57			19						57
56			18						56
55			16						55
54			15						54
53			9						53
52			7						52
51									51
50									50
49			3						49
48									48
47									47
46									46
45									45
44									44
43			1						43
42									42
41									41
40									40
39									39
38									38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			76	85th Percentile Speed (m.p.h.):					

Recorder: Robby Nichol



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/10/2021 County: Travis Hwy: US 183 Location: NB US 183 North of Loyola Lane - ML #5

Time (from): 2:40 PM (to): 4:10 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Northbound			Direction:			Direction:	Direction:	
>80			125						>80
79			110						79
78			104						78
77			100						77
76			96						76
75			89						75
74			84						74
73			73						73
72			67						72
71			60						71
70			50						70
69			46						69
68			40						68
67			36						67
66			34						66
65			29						65
64			24						64
63			20						63
62			18						62
61			16						61
60			14						60
59			12						59
58			10						58
57			8						57
56			6						56
55									55
54			4						54
53			3						53
52			2						52
51									51
50									50
49									49
48									48
47									47
46									46
45									45
44									44
43									43
42									42
41									41
40									40
39									39
38									38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			79	85th Percentile Speed (m.p.h.):					

Recorder: Robby Nichol



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/10/2021 County: Travis Hwy: US 183 Location: US183 North of Loyola Lane - ML 6

Time (from): 2:30 PM (to): 4:00 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Northbound			Direction:			Direction:	Direction:	
>80									>80
79									79
78			125						78
77			123						77
76			118						76
75			115						75
74			112						74
73			109						73
72			106						72
71			102						71
70			96						70
69			89						69
68			81						68
67			74						67
66			62						66
65			57						65
64			41						64
63			38						63
62			34						62
61			27						61
60			24						60
59			19						59
58			16						58
57			13						57
56			10						56
55			9						55
54			5						54
53									53
52			4						52
51			2						51
50									50
49									49
48									48
47									47
46									46
45									45
44									44
43									43
42									42
41									41
40									40
39									39
38									38
37									37
36									36
35									35
34									34
33			1						33
32									32
31									31
<30			125						<30
Total Automobiles				Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			72	85th Percentile Speed (m.p.h.):					

Recorder: Robby Nichol



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/10/2021 County: Travis Hwy: US 183 Location: NB US 183 South of Loyala Lane - ML #7

Time (from): 2:20 PM (to): 3:50 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Northbound			Direction:			Direction:	Direction:	
>80									>80
79									79
78			125						78
77									77
76			123						76
75			121						75
74			119						74
73			118						73
72			116						72
71			114						71
70			111						70
69			108						69
68			105						68
67			102						67
66			97						66
65			91						65
64			83						64
63			76						63
62			71						62
61			64						61
60			55						60
59			48						59
58			41						58
57			32						57
56			28						56
55			21						55
54			17						54
53									53
52			12						52
51			9						51
50			8						50
49			6						49
48									48
47			3						47
46									46
45									45
44									44
43									43
42									42
41									41
40									40
39									39
38			2						38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			69	85th Percentile Speed (m.p.h.):					

Recorder: Robby Nichol



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/10/2021 County: Travis Hwy: US 183 Location: NB US 183 North of Little Walnut Creek - ML #8

Time (from): 2:10 PM (to): 3:40 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Northbound			Direction:			Direction:	Direction:	
>80									>80
79			125						79
78			123						78
77			121						77
76			120						76
75			119						75
74			118						74
73			111						73
72			105						72
71			98						71
70			89						70
69			84						69
68			77						68
67			73						67
66			64						66
65			59						65
64			48						64
63			41						63
62			35						62
61			31						61
60			28						60
59			22						59
58			18						58
57			16						57
56			13						56
55									55
54			9						54
53			6						53
52			5						52
51			4						51
50									50
49									49
48									48
47									47
46									46
45									45
44									44
43									43
42									42
41			2						41
40			1						40
39									39
38									38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			73	85th Percentile Speed (m.p.h.):					

Recorder: Robby Nichol



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/10/2021 County: Travis Hwy: US 183 Location: NB US 183 North of FM 969 - ML #9

Time (from): 2:00 PM (to): 3:30 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Northbound			Direction:			Direction:	Direction:	
>80			125						>80
79			97						79
78			93						78
77			89						77
76			85						76
75			81						75
74			79						74
73			69						73
72			66						72
71			60						71
70			50						70
69			45						69
68			41						68
67			34						67
66			26						66
65			22						65
64			18						64
63			14						63
62			13						62
61			12						61
60			11						60
59									59
58									58
57									57
56									56
55									55
54									54
53			10						53
52									52
51									51
50			9						50
49			8						49
48			6						48
47									47
46			5						46
45			4						45
44									44
43									43
42									42
41			3						41
40									40
39									39
38									38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30			1						<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			80	85th Percentile Speed (m.p.h.):					

Recorder: Robby Nichol



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Form 1882
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Page 1 of 2

Date: 11/10/2021 County: Travis Hwy: US 183 Location: NB US 183 North of FM 969 - ML #10

Time (from): 2:35 PM (to): 4:05 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Northbound			Direction:			Direction:	Direction:	
>80			125						>80
79			109						79
78			105						78
77			101						77
76			99						76
75			98						75
74			93						74
73			85						73
72			74						72
71			61						71
70			56						70
69			48						69
68			42						68
67			34						67
66			28						66
65			25						65
64			18						64
63			15						63
62			11						62
61									61
60			7						60
59			5						59
58			3						58
57			2						57
56									56
55									55
54									54
53									53
52									52
51									51
50									50
49			1						49
48									48
47									47
46									46
45									45
44									44
43									43
42									42
41									41
40									40
39									39
38									38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			79	85th Percentile Speed (m.p.h.):					

Recorder: Danny Cooley



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Form 1882
(Rev. 3/19)
Page 1 of 2

Date: 11/10/2021 County: Travis Hwy: US 183 Location: NB US 183 North of FM 969 - ML #11

Time (from): 2:39 PM (to): 4:09 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Northbound			Direction:			Direction:	Direction:	
>80			125						>80
79			114						79
78			111						78
77			106						77
76			101						76
75			97						75
74			94						74
73			87						73
72			82						72
71			74						71
70			73						70
69			62						69
68			56						68
67			46						67
66			42						66
65			35						65
64			31						64
63			28						63
62			26						62
61			20						61
60			19						60
59			17						59
58			15						58
57									57
56			14						56
55			13						55
54									54
53									53
52			11						52
51			8						51
50			7						50
49			5						49
48			2						48
47									47
46									46
45									45
44									44
43									43
42									42
41									41
40									40
39									39
38									38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30			1						<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			77	85th Percentile Speed (m.p.h.):					

Recorder: John Abernethy



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/10/2021 County: Travis Hwy: US 183 Location: NB US 183 South of FM 969 - ML #12

Time (from): 2:28 PM (to): 3:58 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Northbound			Direction:			Direction:	Direction:	
>80									>80
79									79
78									78
77									77
76									76
75	I		125						75
74	III		124						74
73	II		121						73
72	IIII		119						72
71	IIIIII		114						71
70	IIIIII		106						70
69	II		100						69
68	III		98						68
67	III		94						67
66	IIIIII		91						66
65	IIIIII		84						65
64	IIIIII		79						64
63	IIII		72						63
62	IIIIII		67						62
61	III		59						61
60	I		55						60
59	III		54						59
58	III		51						58
57	III		48						57
56	IIII		45						56
55	I		39						55
54	II		38						54
53	I		36						53
52	III		35						52
51									51
50	IIIIII		31						50
49	II		24						49
48	II		22						48
47	IIIIII		20						47
46	III		13						46
45	II		10						45
44	II		8						44
43									43
42	I		6						42
41									41
40									40
39	I		5						39
38									38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30	III		4						<30
Total Automobiles			125	Total Automobiles					
			x 0.85						
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			70	85th Percentile Speed (m.p.h.):					

Recorder: Danny Cooley



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/10/2021 County: Travis Hwy: US 183 Location: NB US 183 South of Tracor Lane - ML #13

Time (from): 2:31 pm (to): 4:01 pm Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Northbound			Direction:			Direction:	Direction:	
>80			125						>80
79									79
78									78
77									77
76			123						76
75									75
74			120						74
73									73
72			118						72
71			116						71
70			114						70
69			109						69
68			103						68
67			95						67
66			86						66
65			81						65
64			73						64
63			68						63
62			67						62
61			63						61
60			57						60
59			56						59
58			52						58
57			51						57
56			46						56
55			43						55
54			36						54
53			35						53
52			34						52
51			33						51
50			32						50
49			28						49
48			24						48
47			17						47
46			16						46
45			15						45
44			11						44
43			8						43
42			7						42
41			6						41
40			5						40
39									39
38									38
37									37
36									36
35									35
34									34
33			4						33
32									32
31			3						31
<30			2						<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			69	85th Percentile Speed (m.p.h.):					

Recorder: John Abernethy



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/10/2021 County: Travis Hwy: US 183 Location: NB US 183 ML North of Techni Center Drive - ML #14

Time (from): 2:21 pm (to): 3:51 pm Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Northbound			Direction:			Direction:	Direction:	
>80									>80
79									79
78	I		125						78
77									77
76									76
75		I	124						75
74	I								74
73	I		123						73
72	IIII		122						72
71	II		118						71
70	IIIIII		116						70
69	II		110						69
68	IIIIII		108						68
67	III		102						67
66	IIII		98						66
65	IIIIII		93						65
64	IIIIII		87						64
63	III		80						63
62	IIIIII		77						62
61	III		71						61
60	IIIIIIII		68						60
59	II		59						59
58	I		57						58
57	IIIIII		56						57
56	III		50						56
55	III		47						55
54	II		44						54
53	IIII		42						53
52	I		38						52
51	II		37						51
50	I		35						50
49	III		34						49
48	IIII		31						48
47	IIII		27						47
46	II		23						46
45	IIII		21						45
44	III		17						44
43	I		14						43
42	II		13						42
41	I		11						41
40									40
39	III		10						39
38	I		7						38
37	I		6						37
36	I		5						36
35									35
34	I		4						34
33									33
32									32
31									31
<30	III		3						<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			68	85th Percentile Speed (m.p.h.):					

Recorder: Dan Cooley



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/10/2021 County: Travis Hwy: US 183 Location: NB US 183 South of Central Avenue - ML #15

Time (from): 2:24 pm (to): 3:54 pm Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Northbound			Direction:			Direction:	Direction:	
>80	I		125						>80
79									79
78									78
77									77
76									76
75	I		124						75
74									74
73	I		123						73
72	III		122						72
71	I		119						71
70	IIII		118						70
69	IIII		113						69
68	IIIIII		108						68
67	IIIIIIII		99						67
66	III		87						66
65	III		83						65
64	III		80						64
63	III		77						63
62	III		73						62
61	III		70						61
60	IIIIII		66						60
59	III		59						59
58	III		56						58
57	IIII		53						57
56	IIIIIIII		48						56
55	III		39						55
54	III		35						54
53	II		31						53
52	II		29						52
51	IIII		27						51
50	II		22						50
49	III		20						49
48	II		17						48
47	III		15						47
46	II		12						46
45	II		10						45
44									44
43	III		8						43
42	I		4						42
41	I		3						41
40	I		2						40
39									39
38	I		1						38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			68	85th Percentile Speed (m.p.h.):					

Recorder: John Abernethy



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/10/2021 County: Travis Hwy: US 183 Location: NB US 183 North of Hudson Street - ML #16

Time (from): 2:14 pm (to): 3:44 pm Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Northbound			Direction:			Direction:	Direction:	
>80									>80
79									79
78			125						78
77			123						77
76									76
75									75
74			122						74
73									73
72			119						72
71			115						71
70			109						70
69									69
68			108						68
67			103						67
66			100						66
65			94						65
64			91						64
63			82						63
62			78						62
61			70						61
60			67						60
59			63						59
58			58						58
57			56						57
56			53						56
55			51						55
54			50						54
53			44						53
52			40						52
51			37						51
50			30						50
49			28						49
48			23						48
47			19						47
46			18						46
45			16						45
44			13						44
43									43
42			10						42
41									41
40			9						40
39			7						39
38			6						38
37			2						37
36									36
35									35
34									34
33									33
32									32
31									31
<30			1						<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			68	85th Percentile Speed (m.p.h.):					

Recorder: Dan Cooley



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/10/2021 County: Travis Hwy: US 183 Location: NB US 183 North of Walnut Creek Trail - ML #17

Time (from): 2:17 pm (to): 3:47 pm Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Northbound			Direction:			Direction:	Direction:	
>80									>80
79									79
78	I		125						78
77	I		124						77
76									76
75		II	123						75
74	I		121						74
73	III		120						73
72	IIII		117						72
71	III		112						71
70	IIII		109						70
69	IIII		105						69
68	I		100						68
67	IIIIII		99						67
66	IIIIII		92						66
65	IIIIIIII		84						65
64	IIIIIIIIII		74						64
63	IIIIIIII		62						63
62	IIIIII		52						62
61	IIIIII		46						61
60	IIIIII		40						60
59	IIII		34						59
58	IIII		30						58
57	IIII		25						57
56	I		20						56
55	II		19						55
54	IIII		17						54
53	III		12						53
52	II		9						52
51	III		7						51
50									50
49									49
48									48
47	I		4						47
46	I		3						46
45									45
44									44
43									43
42									42
41									41
40									40
39									39
38									38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30	II		2						<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			70	85th Percentile Speed (m.p.h.):					

Recorder: John Abernethy



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/10/2021 County: Travis Hwy: US 183 Location: NB US 183 South of Walnut Creek Trail - ML #18

Time (from): 2:07 pm (to): 3:37 pm Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Northbound			Direction:			Direction:	Direction:	
>80									>80
79									79
78	I		125						78
77	I		124						77
76									76
75		III	123						75
74	IIII		120						74
73	III		116						73
72	III		113						72
71	II		110						71
70	II		108						70
69	III		106						69
68	IIII		103						68
67	III		97						67
66	IIIIIIII		94						66
65	IIII		83						65
64	IIIIIIII		79						64
63	IIII		68						63
62	III		63						62
61	III		59						61
60	IIIIII		55						60
59	III		46						59
58	III		43						58
57	II		40						57
56	III		38						56
55	IIII		35						55
54	III		30						54
53	I		27						53
52	IIII		26						52
51	III		20						51
50									50
49	II		16						49
48									48
47	III		14						47
46	II		11						46
45	III		9						45
44	I		6						44
43	II		5						43
42	I		3						42
41									41
40									40
39									39
38									38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30	II		2						<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			69	85th Percentile Speed (m.p.h.):					

Recorder: Dan Cooley



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/10/2021 County: Travis Hwy: US 183 Location: US 183 South of Allyton Drive - ML #19

Time (from): 2:08 pm (to): 3:38 pm Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Northbound			Direction:			Direction:	Direction:	
>80									>80
79									79
78									78
77	I		125						77
76	I		124						76
75	I	I	123						75
74	I		122						74
73	II		121						73
72	III		119						72
71	III		116						71
70	III		113						70
69	IIII		110						69
68	III		104						68
67	IIIIII		101						67
66	IIII		93						66
65	IIII		88						65
64	IIIIIIII		84						64
63	III		73						63
62	IIIIII		70						62
61	II		62						61
60	IIII		60						60
59	IIII		56						59
58	III		50						58
57	IIII		47						57
56	IIII		41						56
55	IIII		36						55
54	II		32						54
53	III		30						53
52	I		27						52
51	III		26						51
50	III		22						50
49	III		19						49
48	III		16						48
47	II		13						47
46	III		11						46
45	III		7						45
44									44
43	I		4						43
42									42
41									41
40									40
39									39
38	I		3						38
37	I		2						37
36									36
35									35
34									34
33									33
32									32
31									31
<30	I		1						<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			69	85th Percentile Speed (m.p.h.):					

Recorder: John Abernethy



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/10/2021 County: Travis Hwy: US 183 Location: NB US 183 South of Smith Road

Time (from): 2:00 pm (to): 3:30 pm Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Northbound			Direction:			Direction:	Direction:	
>80			125						>80
79			108						79
78			107						78
77			103						77
76			96						76
75			91						75
74			84						74
73			78						73
72			72						72
71			60						71
70			54						70
69			43						69
68			36						68
67			29						67
66			23						66
65			19						65
64			18						64
63			14						63
62			12						62
61			10						61
60			7						60
59									59
58									58
57									57
56									56
55									55
54									54
53			6						53
52									52
51			5						51
50									50
49									49
48									48
47									47
46			4						46
45			2						45
44									44
43									43
42									42
41									41
40									40
39									39
38									38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			78	85th Percentile Speed (m.p.h.):					

Recorder: Dan Cooley



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

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Date: 11/10/2021 County: Travis Hwy: US 183 Location: NB US 183 ML #21

Time (from): 2:00 pm (to): 3:30 pm Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Northbound			Direction:			Direction:	Direction:	
>80			125						>80
79			112						79
78			111						78
77			109						77
76			102						76
75			99						75
74			92						74
73			90						73
72			81						72
71			75						71
70			67						70
69			57						69
68			49						68
67			39						67
66			31						66
65			27						65
64			24						64
63			21						63
62			17						62
61			13						61
60			11						60
59			9						59
58			6						58
57			4						57
56			3						56
55									55
54									54
53									53
52									52
51									51
50			2						50
49			1						49
48									48
47									47
46									46
45									45
44									44
43									43
42									42
41									41
40									40
39									39
38									38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			77	85th Percentile Speed (m.p.h.):					

Recorder: John Abernethy



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/9/2021 County: Travis Hwy: US 183 Location: Northbound US 183 south of N Howard Road

Time (from): 3:00 pm (to): 4:30 pm Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Northbound			Direction:			Direction:	Direction:	
>80									>80
79									79
78									78
77									77
76									76
75									75
74									74
73									73
72			125						72
71			122						71
70			121						70
69			119						69
68			114						68
67			109						67
66			104						66
65			97						65
64			91						64
63			88						63
62			79						62
61			76						61
60			71						60
59			69						59
58			65						58
57			62						57
56			55						56
55			50						55
54			46						54
53			39						53
52			36						52
51			33						51
50			31						50
49			22						49
48			15						48
47			11						47
46			10						46
45									45
44			7						44
43			5						43
42									42
41			3						41
40									40
39									39
38			2						38
37									37
36			1						36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			67	85th Percentile Speed (m.p.h.):					

Recorder: Robby Nichol



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/9/21 County: Travis Hwy: US 183 Location: Northbound US 183 north of Howard Road

Time (from): 3:00 pm (to): 4:30 pm Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: NB			Direction:			Direction:	Direction:	
>80									>80
79	I		125						79
78	II		124						78
77	III		122						77
76	III		188						76
75	I		114						75
74	IIII		113						74
73	IIII		107						73
72	IIIIII		101						72
71	IIII		93						71
70	III		88						70
69	IIIIIIII		85						69
68	IIII		74						68
67	IIII		69						67
66	IIIIII		63						66
65	IIII		55						65
64	IIII		50						64
63	II		44						63
62	II		42						62
61	III		40						61
60	III		36						60
59	IIII		32						59
58	I		27						58
57	I		26						57
56	I		25						56
55									55
54									54
53	I		24						53
52									52
51	I		23						51
50	II		22						50
49	I		20						49
48	II		19						48
47	II		17						47
46									46
45									45
44	II		15						44
43									43
42	II		13						42
41	I		11						41
40	II		10						40
39	I		8						39
38	I		7						38
37	III		6						37
36	I		3						36
35									35
34									34
33									33
32									32
31	I		2						31
<30	I		1						<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			73	85th Percentile Speed (m.p.h.):					

Recorder: Blake Anderson



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/9/21 County: Travis Hwy: US 183 Location: Northbound US 183 south of Howard Road - ML #24

Time (from): 2:54 pm (to): 4:24 pm Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: NB			Direction:			Direction:	Direction:	
>80									>80
79									79
78									78
77	I		125						77
76									76
75		II	124						75
74	II		122						74
73	IIIIII		120						73
72	IIII		113						72
71	IIIIIIII		110						71
70	IIIIII		98						70
69	IIIII		92						69
68	IIIIII		87						68
67	IIIIII		79						67
66	IIIIII		71						66
65	IIIIII		62						65
64	IIIIII		53						64
63	IIIIII		45						63
62	IIII		36						62
61	IIII		32						61
60	IIIIII		29						60
59	IIII		23						59
58	IIII		20						58
57	IIII		16						57
56	IIII		11						56
55	IIII		8						55
54	I		4						54
53									53
52	II		3						52
51									51
50									50
49									49
48	I		1						48
47									47
46									46
45									45
44									44
43									43
42									42
41									41
40									40
39									39
38									38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			71	85th Percentile Speed (m.p.h.):					

Recorder: Blake Anderson



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Form 1882
(Rev. 3/19)
Page 1 of 2

Date: 11/9/21 County: Travis Hwy: US 183 Location: Northbound US 183 north of Montopolis Drive - ML #25

Time (from): 2:49 pm (to): 4:19 pm Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Northbound			Direction:			Direction:	Direction:	
>80			125						>80
79			121						79
78			120						78
77			116						77
76			112						76
75			107						75
74			103						74
73			96						73
72			83						72
71			78						71
70			68						70
69			62						69
68			58						68
67			50						67
66			48						66
65			44						65
64			36						64
63			30						63
62			27						62
61			22						61
60			18						60
59			14						59
58			13						58
57			9						57
56			5						56
55			4						55
54									54
53									53
52									52
51			2						51
50			1						50
49									49
48									48
47									47
46									46
45									45
44									44
43									43
42									42
41									41
40									40
39									39
38									38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			75	85th Percentile Speed (m.p.h.):					

Recorder: Blake Anderson



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/9/21 County: Travis Hwy: US 183 Location: Northbound US 183 south of Montopolis Drive - ML#26

Time (from): 2:41 pm (to): 4:11 pm Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: NB			Direction:			Direction:	Direction:	
>80									>80
79									79
78									78
77									77
76									76
75									75
74									74
73			125						73
72			123						72
71			120						71
70			118						70
69			114						69
68			109						68
67			102						67
66			96						66
65			89						65
64			81						64
63			75						63
62			73						62
61			64						61
60			59						60
59			55						59
58			53						58
57			45						57
56			40						56
55			38						55
54			36						54
53			35						53
52			31						52
51			28						51
50			23						50
49									49
48			20						48
47			17						47
46			16						46
45			12						45
44			10						44
43									43
42									42
41			9						41
40			8						40
39									39
38									38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30			7						<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			68	85th Percentile Speed (m.p.h.):					

Recorder: Blake Anderson



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/9/21 County: Travis Hwy: US 183 Location: Northbound US 183 south of Thompson Lane - ML #27

Time (from): 2:36 pm (to): 4:06 pm Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Northbound			Direction:			Direction:	Direction:	
>80	III		125						>80
79									79
78									78
77									77
76	II		122						76
75		III	120						75
74	IIII		117						74
73	IIII		112						73
72	IIII		108						72
71	IIII		103						71
70	III		97						70
69	IIII		94						69
68	IIII		90						68
67	IIII		85						67
66	IIII		80						66
65	III		75						65
64	IIIIIIII		72						64
63	IIII		63						63
62	IIIIII		58						62
61	IIII		50						61
60	IIII		44						60
59	III		39						59
58									58
57	III		36						57
56	II		33						56
55	III		31						55
54	II		28						54
53									53
52									52
51	I		26						51
50									50
49									49
48	I		25						48
47	III		24						47
46	I		21						46
45	I		20						45
44	I		19						44
43	III		18						43
42	I		15						42
41	III		14						41
40	I		11						40
39	III		10						39
38	I		7						38
37	I		6						37
36	IIII		5						36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			72	85th Percentile Speed (m.p.h.):					

Recorder: Blake Anderson



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/9/21 County: Travis Hwy: US 183 Location: Northbound US 183 south of Thompson Lane - ML #28

Time (from): 2:33 pm (to): 4:03 pm Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Northbound			Direction:			Direction:	Direction:	
>80	II		125						>80
79									79
78	I		123						78
77	IIII		122						77
76	I		118						76
75		III	117						75
74	IIII		114						74
73	II		110						73
72	II		108						72
71	IIII		106						71
70	IIIIII		102						70
69	IIIIII		96						69
68	IIII		89						68
67	IIIIII		85						67
66	III		79						66
65	III		76						65
64	III		73						64
63	II		70						63
62	II		68						62
61	IIII		66						61
60	IIIIII		62						60
59	II		56						59
58	II		54						58
57	IIII		52						57
56	III		48						56
55	IIII		45						55
54	IIIIII		40						54
53	IIII		34						53
52	III		30						52
51	I		27						51
50	I		26						50
49	IIII		25						49
48	III		21						48
47	II		18						47
46									46
45	I		16						45
44									44
43	I		15						43
42	I		14						42
41									41
40	IIII		13						40
39	III		9						39
38	I		6						38
37	I		5						37
36									36
35	I		4						35
34	I		3						34
33									33
32	II		2						32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			71	85th Percentile Speed (m.p.h.):					

Recorder: Blake Anderson



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 11/9/2021 County: Travis Hwy: US 183 Location: NB US 183 North of Patton Avenue - ML #29

Time (from): 2:26 PM (to): 3:56 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Northbound			Direction:			Direction:	Direction:	
>80									>80
79									79
78									78
77									77
76									76
75									75
74			125						74
73									73
72			124						72
71			120						71
70			118						70
69			114						69
68			106						68
67			99						67
66			94						66
65			86						65
64			79						64
63			68						63
62			59						62
61			49						61
60			37						60
59			31						59
58			30						58
57			26						57
56			20						56
55			15						55
54			14						54
53			11						53
52			7						52
51									51
50			6						50
49			3						49
48									48
47			2						47
46									46
45									45
44									44
43									43
42									42
41									41
40									40
39									39
38									38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles		125	Total Automobiles						
		x 0.85						x 0.85	
85th Percentile Automobile:		106	85th Percentile Automobile:						
85th Percentile Speed (m.p.h.):		68	85th Percentile Speed (m.p.h.):						

Recorder: Blake Anderson



RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Form 1882
(Rev. 3/19)
Page 1 of 2

Date: 11/9/21 County: Travis Hwy: US 183 Location: NB US 183 North of Southside Wrecker

Time (from): 2:20 PM (to): 3:50 PM Weather: Clear

Surface type: Concrete Surface condition: Wet or Dry / Smooth or Rough

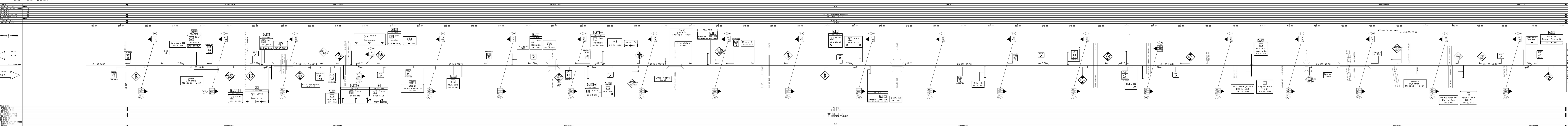
M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	TRUCKS & BUSES		M.P.H.
	Direction: Northbound			Direction:			Direction:	Direction:	
>80									>80
79			125						79
78			124						78
77			123						77
76			122						76
75			118						75
74			115						74
73			110						73
72			101						72
71			93						71
70			88						70
69			81						69
68			73						68
67			64						67
66			58						66
65			52						65
64			46						64
63			43						63
62			37						62
61			28						61
60			20						60
59			15						59
58			10						58
57			6						57
56			4						56
55									55
54									54
53									53
52									52
51									51
50									50
49									49
48									48
47			1						47
46									46
45									45
44									44
43									43
42									42
41									41
40									40
39									39
38									38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30									<30
Total Automobiles			125	Total Automobiles					
			x 0.85				x 0.85		
85th Percentile Automobile:			106	85th Percentile Automobile:					
85th Percentile Speed (m.p.h.):			73	85th Percentile Speed (m.p.h.):					

Recorder: Blake Anderson

Appendix C

Strip Map

US 183 SOUTH



DISTRICT: AUSTIN COUNTY: TRAVIS

HIGHWAY: 183S CITY: AUSTIN

DATE OF STUDY: 01/13/2022

LIMITS OF ZONE		
SECTION ONE	SECTION TWO	SECTION THREE
STA. OR M.P.	STA. OR M.P.	STA. OR M.P.
BEGINS 201+00.00	BEGINS 251+00.00	BEGINS 301+00.00
ENDS 201+00.00	ENDS 251+00.00	ENDS 301+00.00

LEGEND

SPEED ZONE
CONT. 0151 SEC. 09

INDICATES TRIAL RUN SURVEY (MPH)

(DATE: 01/13/2022)

- 42 | 85 PERCENTILE SPEED
- 62 | TOP SPEED MEASURED
- 125 | NUMBER OF CARS CHECKED

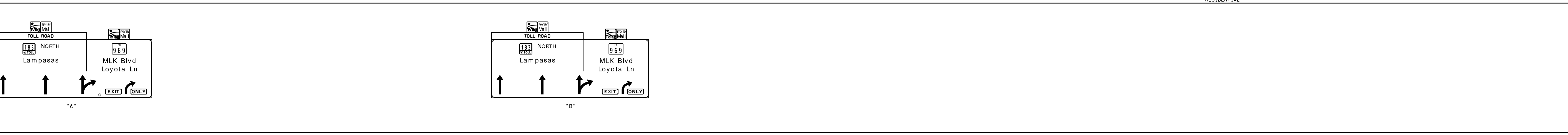
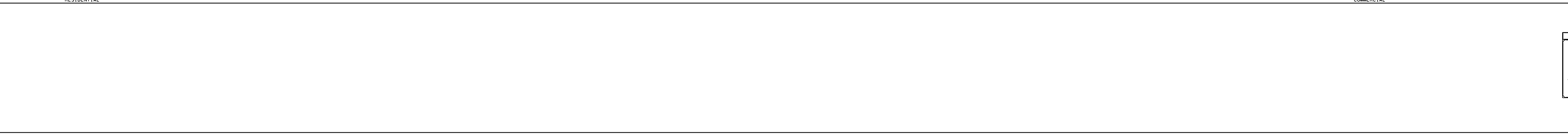
● FATAL ACCIDENT
 ● PERSONAL INJURY ACCIDENT
 ● PROPERTY DAMAGE ACCIDENT

○ INDICATES SECTION ZONED BY COMPLETION DATE

▲ SIGNALIZED INTERSECTION
 ○ TRIAL RUN

— BRIDGE LOCATIONS
 — OVERHEAD SIGN BRIDGE
 — PEDESTRIAN BRIDGE

— EXISTING SIGN - SINGLE POST
 — EXISTING SIGN - DUAL POST
 — PROPOSED SIGN - SINGLE POST
 — PROPOSED SIGN - DUAL POST



SHEET 1 OF 2

ATKINS

TRAVIS COUNTY MOBILITY AUTHORITY

SPEED STUDY
BY TRAVIS COUNTY
US 183 SOUTH

DATE: 01/13/2022

SCALE: 1" = 300 FEET

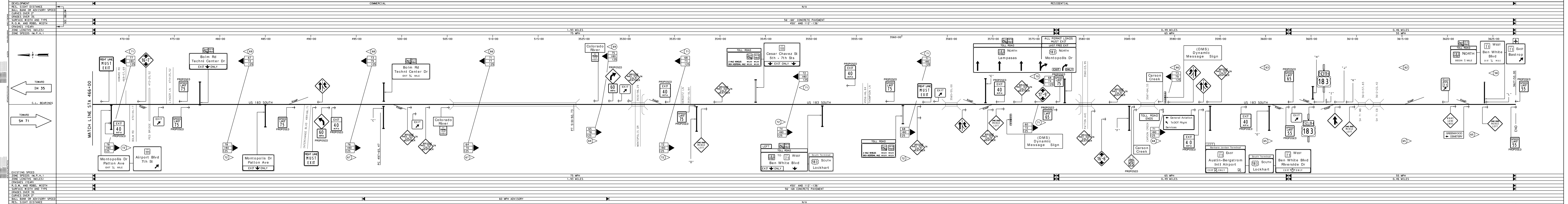
PROJECT: 0151-09-036

DATE: 01/13/2022

BY: [Signature]

DATE: 01/13/2022

US 183 SOUTH



DISTRICT: AUSTIN COUNTY: TRAVIS		MINUTE NO.:	DATE: / /
HIGHWAY: 1835 CITY: AUSTIN		REPLACES: 1	DATE: / /
DATE OF STUDY: **--**--**		REPLACES BY: 1	DATE: / /
		CANCELLED BY: 1	DATE: / /

LIMITS OF ZONE			
SECTION ONE	LENGTH	SECTION TWO	LENGTH
STA. OR M.P.	MILES	STA. OR M.P.	MILES
BEGINS 466+00.00	0.151-09-036	BEGINS 3627+52.00	0.151-09-036
ENDS 466+00.00		ENDS 3627+52.00	

LEGEND

- 42 85 PERCENTILE SPEED
- 62 TOP SPEED MEASURED
- 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- SIGNALIZED INTERSECTION
- TRIAL RUN
- DYNAMIC MESSAGE SIGN
- BRIDGE LOCATIONS
- OVERHEAD SIGN BRIDGE
- PEDESTRIAN BRIDGE
- EXISTING SIGN - SINGLE POST
- EXISTING SIGN - DUAL POST
- PROPOSED SIGN - SINGLE POST
- PROPOSED SIGN - DUAL POST

SPEED ZONE

CONT. 0151 SEC. 09

INDICATES TRIAL RUN SURVEY (MPH)

(DATE: 01/13/2022)

SHEET 2 OF 2

ATKINS

SPEED STUDY TRAVIS COUNTY US 183 SOUTH

DATE: 01/13/2022

PROJECT NO. 2

DATE: 01/13/2022



CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY

April 25, 2022
AGENDA ITEM #8
Quarterly Project Updates

Strategic Plan Relevance: Regional Mobility
Department: Engineering
Contact: Mike Sexton, Acting Director of Engineering
Associated Costs: N/A
Funding Source: N/A
Action Requested: Briefing and Board Discussion Only

Project Description/Background:

Projects under construction:

- A. 183A Phase III Project
- B. 183 North Mobility Project

Backup provided: None



CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY

April 25, 2022
AGENDA ITEM #9

Executive Director Board Report

Strategic Plan Relevance: Regional Mobility
Department: Executive
Contact: James M. Bass, Executive Director
Associated Costs: N/A
Funding Source: N/A
Action Requested: Briefing and Board Discussion Only

Project Description/Background:

Executive Director Report.

- A. Agency performance metrics.
 - (i) Roadway performance
 - (ii) Call-Center performance
- B. Barton Skyway Ramp Relief Project funding.

Backup provided: None



CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY

April 25, 2022
AGENDA ITEM #10

Executive Session

Executive Session:

Discuss legal issues related to claims by or against the Mobility Authority; pending or contemplated litigation and any related settlement offers; or other matters as authorized by §551.071 (Consultation with Attorney).



CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY

April 25, 2022
AGENDA ITEM #11

Executive Session

Executive Session:

Discuss legal issues relating to procurement and financing of Mobility Authority transportation projects and toll system improvements, as authorized by §551.071 (Consultation with Attorney).



CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY

April 25, 2022
AGENDA ITEM #12

Executive Session

Executive Session:

Discuss personnel matters as authorized by §551.074 (Personnel Matters).



CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY

April 25, 2022
AGENDA ITEM #13

Adjourn Meeting

Adjourn Board Meeting.