



CENTRAL TEXAS REGIONAL  
**MOBILITY AUTHORITY**

April 25, 2022  
**AGENDA ITEM #7**

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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

**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 25<sup>th</sup> day of April 2022.

Submitted and reviewed by:

Approved:

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James M. Bass  
Executive Director

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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.