



CENTRAL TEXAS REGIONAL  
**MOBILITY AUTHORITY**

November 8, 2017  
**AGENDA ITEM #6**

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Consider and, potentially, modify the annual  
toll rate escalation for the CTRMA  
Turnpike System

Strategic Plan Relevance:	Economic Vitality/ Sustainability
Department:	Finance
Contact:	Bill Chapman, Chief Financial Officer
Associated Costs:	N/A
Funding Source:	Toll Revenues
Action Requested:	Consider and act on draft resolution

**Summary:**

Section 301.003 of the Policy Code provides that, each October, Mobility Authority staff must calculate a percentage increase in toll rates charged on Mobility Authority toll facilities using the formula established by that section. The formula is based on changes to the most recently published non-revised index of Consumer Prices for All Urban Consumers (CPI-U) before seasonal adjustment, as published by the Bureau of Labor Statistics of the U.S. Department of Labor. Each year, this Toll Rate Escalation Percentage is reported to the Board.

The Toll Rate Escalation Percentage calculated based on the September 2017 CPI-U is 2.23%. This percentage increase in toll rates will automatically become effective on January 1, 2018 unless the Board affirmatively votes to modify the percentage. If the percentage is not modified, this increase will result in an additional \$0.01 to \$0.03 toll charged at each gantry for a customer in a two-axle vehicle who uses a TxTAG or other transponder account.

The original 2007 opening rates were determined by many factors. As the System has spurred economic development and traffic has increased on the 183A corridor, the RMA is looking at several different methods to align toll rates along the corridor. As a potential alternative Stantec, the Mobility Authority's traffic and revenue consultant,

has reviewed various toll rate modifications that would be revenue neutral. Attached is a memo that compares the CPI-U Adjustment to an alternate realignment along the 183A corridor developed by Stantec.

Backup Provided: January 2018 Toll Rate Calculation 183A, 290E, & 71E with CPI Calculation; Alternative tolls for 183A with comparison

## Annual Toll Rate Escalation

The Board adopted CTRMA Annual Toll Rate Escalation Policy establishes October 1st as the date each year to review the Consumer Price Index – Urban (CPI-U) for the Greater Austin Metropolitan Area for the determination of the percentage to increase the toll rates charged on all toll facilities in the Turnpike System. The current policy was established in 2012 when cash tolling was replaced by video tolling on our roadway. The original tolling policy increased tolls every 5 years by \$.25, at the mainlane gantries, thus resulting in large periodic increases.

The CPI-U percentage change is calculated and presented by staff to the Board of Directors during the October Board meeting for consideration. Pursuant to the policy there is no required action by Board for the CPI-U adjusted toll rate increase to automatically go into effect the following January 1. The Board can decide to take action different from the policy and vote to change rates accordingly, either up, or down.

By the adopted policy, the calendar year 2018 toll rates for the System would increase by the October CPI-U per the table below:

			Current	CPIu	New Toll
			Rate	Increase	rates
183A					1/1/2018
	Crystal Falls ramps	ETC	\$ 0.41	\$ 0.01	\$ 0.42
	Crystal Falls Main Lane	ETC	\$ 1.05	\$ 0.02	\$ 1.07
	Scottsdale Ramp	ETC	\$ 0.59	\$ 0.01	\$ 0.60
	Park Street mainlane	ETC	\$ 1.48	\$ 0.03	\$ 1.51
	Brushy Creek Ramps	ETC	\$ 0.59	\$ 0.01	\$ 0.60
	Lakeline Main Lane	ETC	\$ 0.55	\$ 0.01	\$ 0.56
Manor					
	183 Direct Connectors	ETC	\$ 0.56	\$ 0.01	\$ 0.57
	Springdale ramps	ETC	\$ 0.56	\$ 0.01	\$ 0.57
	Giles ramps	ETC	\$ 0.56	\$ 0.01	\$ 0.57
	Giles Main Lanes	ETC	\$ 1.12	\$ 0.03	\$ 1.15
	Harris Branch Parkway ramps	ETC	\$ 0.56	\$ 0.01	\$ 0.57
	Palmer Main Lanes	ETC	\$ 0.56	\$ 0.01	\$ 0.57
71E		ETC	\$ 0.87	\$ 0.02	\$ 0.89

Executive Director Heiligenstein has met with various Cedar Park officials and had asked for the development of an additional scenario for the residential and business district of Cedar Park. The original 2007 opening rates were determined by many factors and have been adjusted over time

as the system developed and the 183A corridor spurred economic development and traffic growth. In 2009, the CTRMA, at Executive Director Heiligenstein’s direction, began the development and construction of Phase II, eight years ahead of schedule and the need for revenue coverage on the new bonds was critical. But the opening also offered an opportunity to adjust the Park Street toll gantry downward since a new mainlane tolling station was built at Crystal Falls. Thus, in 2012, the Park Street mainline toll rate was reduced. Recently, Stantec, our Traffic and Revenue consultant was asked to review possible toll rate modifications at the gantries in the area that would, in effect, realign the rates to help provide more system equity and fairness. Keeping the overall roadway revenues neutral was also determined to be necessary. The following table demonstrates how that can be accomplished:

			Current	New Toll
			Rate	rates
183A				1/1/2018
	Crystal Falls ramps	ETC	\$ 0.41	\$ 0.60
	Crystal Falls Main Lane	ETC	\$ 1.05	\$ 1.42
	Scottsdale Ramp	ETC	\$ 0.59	\$ 0.60
	Park Street mainlane	ETC	\$ 1.48	\$ 1.12
	Brushy Creek Ramps	ETC	\$ 0.59	\$ 0.60
	Lakeline Main Lane	ETC	\$ 0.55	\$ 0.82
Manor				
	183 Direct Connectors	ETC	\$ 0.56	\$ 0.57
	Springdale ramps	ETC	\$ 0.56	\$ 0.57
	Giles ramps	ETC	\$ 0.56	\$ 0.57
	Giles Main Lanes	ETC	\$ 1.12	\$ 1.15
	Harris Branch Parkway ramps	ETC	\$ 0.56	\$ 0.57
	Palmer Main Lanes	ETC	\$ 0.56	\$ 0.57
71E		ETC	\$ 0.87	\$ 0.89

In future years, the CTRMA will continue to study several different options to align toll rates along the corridor including the implementation of segment tolling between Brushy Creek and 1431 in the near term and possibly realigning the tolling gantries along the 183A corridor in conjunction with the construction of the 183A Phase III project.

**January 2018 Toll rate Calculation 183A , 290E and 71E**

		Current Rate	CPI <sup>t-12</sup>	CPI <sup>t</sup>	(CPI <sup>t</sup> -CPI <sup>t-12</sup> )/CPI <sup>t-12</sup>	Floor	CPIu Increase	New Toll rates 1/1/2018	rate per mile	In latest T&R Report	Variance	2015 Original 183A Toll Schedule	2020 Original 183A Toll Schedule	
			CPI base Rate Sep 2016	CPI current Rate Sep 2017	CPI Adjustment 1/1/2018									
<b>183A</b>														
	Crystal Falls ramps	ETC	\$ 0.41	241.428	246.819	2.23296%	0.0000	\$ 0.01	\$ 0.42	\$ 0.09	2.30%	\$ 0.01		
	Crystal Falls Main Lane	ETC	\$ 1.05	241.428	246.819	2.23296%	0.0000	\$ 0.02	\$ 1.07	\$ 0.16	2.30%	\$ 0.02		
	Scottsdale Ramp	ETC	\$ 0.59	241.428	246.819	2.23296%	0.0000	\$ 0.01	\$ 0.60	\$ 0.33	2.30%	\$ 0.01		
	Park Street mainlane	ETC	\$ 1.48	241.428	246.819	2.23296%	0.0000	\$ 0.03	\$ 1.51	\$ 0.62	2.30%	\$ 0.03	\$ 2.00	\$ 2.25
	Brushy Creek Ramps	ETC	\$ 0.59	241.428	246.819	2.23296%	0.0000	\$ 0.01	\$ 0.60	\$ 0.33	2.30%	\$ 0.01	\$ 0.75	\$ 1.00
	Lakeline Main Lane	ETC	\$ 0.55	241.428	246.819	2.23296%	0.0000	\$ 0.01	\$ 0.56	\$ 0.21	2.30%	\$ 0.01	\$ 0.70	\$ 0.90
	Full length trip								\$ 3.15					
<b>Manor</b>														
	183 Direct Connectors	ETC	\$ 0.56	241.428	246.819	2.23296%	0.0000	\$ 0.01	\$ 0.57		2.30%	\$ 0.01		
	Springdale ramps	ETC	\$ 0.56	241.428	246.819	2.23296%	0.0000	\$ 0.01	\$ 0.57		2.30%	\$ 0.01		
	Giles ramps	ETC	\$ 0.56	241.428	246.819	2.23296%	0.0000	\$ 0.01	\$ 0.57		2.30%	\$ 0.01		
	Giles Main Lanes	ETC	\$ 1.12	241.428	246.819	2.23296%	0.0000	\$ 0.03	\$ 1.15		2.30%	\$ 0.03	\$ 0.01	
	Harris Branch Parkway ramps	ETC	\$ 0.56	241.428	246.819	2.23296%	0.0000	\$ 0.01	\$ 0.57		2.30%	\$ 0.01		
	Palmer Main Lanes	ETC	\$ 0.56	241.428	246.819	2.23296%	0.0000	\$ 0.01	\$ 0.57		2.30%	\$ 0.01		
<b>71E</b>		ETC	\$ 0.87	241.428	246.819	2.23296%	0.0000	\$ 0.02	\$ 0.89					

**January 2018 Toll rate Calculation 183A , 290E and 71E**

		CPI <sup>t-12</sup>	CPI <sup>t</sup>	(CPI <sup>t</sup> -CPI <sup>t-12</sup> )/CPI <sup>t-12</sup>							2015	2020
		CPI base	CPI current	CPI			New Toll	rate	variance		Original 183A	Original 183A
183A		Rate	Rate	Adjustment	Floor	CPIu	rates	per	from current	Variance	Toll	Toll
		Current	Current	1/1/2018		Increase	1/1/2018	mile			Schedule	Schedule
		Rate	Rate	1/1/2018								
	Crystal Falls ramps	ETC	\$ 0.41	241.428	245.519	0.0000	\$ -	\$ 0.60	\$ 0.17	\$ 0.19		
	Crystal Falls Main Lane	ETC	\$ 1.05	241.428	245.519	0.0000	\$ -	\$ 1.42	\$ 0.26	\$ 0.37		
	Scottsdale Ramp	ETC	\$ 0.59	241.428	245.519	0.0000	\$ -	\$ 0.60	\$ 0.33	\$ 0.01		
	Park Street mainlane	ETC	\$ 1.48	241.428	245.519	0.0000	\$ -	\$ 1.12	\$ 0.37	\$ (0.36)	\$ 2.00	\$ 2.25
	Brushy Creek Ramps	ETC	\$ 0.59	241.428	245.519	0.0000	\$ -	\$ 0.60	\$ 0.33	\$ 0.01	\$ 0.75	\$ 1.00
	Lakeline Main Lane	ETC	\$ 0.55	241.428	245.519	0.0000	\$ -	\$ 0.82	\$ 0.26	\$ 0.27	\$ 0.70	\$ 0.90
								\$ 3.36				
<b>Manor</b>												
	183 Direct Connectors	ETC	\$ 0.56	241.428	245.519	2.23296%	\$ 0.01	\$ 0.57	2.30%	\$ 0.01		
	Springdale ramps	ETC	\$ 0.56	241.428	245.519	2.23296%	\$ 0.01	\$ 0.57	2.30%	\$ 0.01		
	Giles ramps	ETC	\$ 0.56	241.428	245.519	2.23296%	\$ 0.01	\$ 0.57	2.30%	\$ 0.01		
	Giles Main Lanes	ETC	\$ 1.12	241.428	245.519	2.23296%	\$ 0.03	\$ 1.15	2.30%	\$ 0.03	\$ 0.01	
	Harris Branch Parkway ramps	ETC	\$ 0.56	241.428	245.519	2.23296%	\$ 0.01	\$ 0.57	2.30%	\$ 0.01		
	Palmer Main Lanes	ETC	\$ 0.56	241.428	245.519	2.23296%	\$ 0.01	\$ 0.57	2.30%	\$ 0.01		
<b>71E</b>		ETC	\$ 0.87	241.428	245.519	2.23296%	\$ 0.02	\$ 0.89				

			Current	CPIu	New Toll
			Rate	Increase	rates
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	Brushy Creek Ramps	ETC	\$ 0.59	\$ 0.01	\$ 0.60
	Lakeline Main Lane	ETC	\$ 0.55	\$ 0.01	\$ 0.56
	Full length trip				\$ 3.15
<b>Manor</b>					
	183 Direct Connectors	ETC	\$ 0.56	\$ 0.01	\$ 0.57
	Springdale ramps	ETC	\$ 0.56	\$ 0.01	\$ 0.57
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	Giles Main Lanes	ETC	\$ 1.12	\$ 0.03	\$ 1.15
	Harris Branch Parkway ramps	ETC	\$ 0.56	\$ 0.01	\$ 0.57
	Palmer Main Lanes	ETC	\$ 0.56	\$ 0.01	\$ 0.57
<b>71E</b>		ETC	\$ 0.87	\$ 0.02	\$ 0.89

			Current	New Toll	Change from
			Rate	rates	current
183A				1/1/2018	rate
	Crystal Falls ramps	ETC	\$ 0.41	\$ 0.60	\$ 0.19
	Crystal Falls Main Lane	ETC	\$ 1.05	\$ 1.42	\$ 0.37
	Scottsdale Ramp	ETC	\$ 0.59	\$ 0.60	\$ 0.01
	Park Street mainlane	ETC	\$ 1.48	\$ 1.12	\$ (0.36)
	Brushy Creek Ramps	ETC	\$ 0.59	\$ 0.60	\$ 0.01
	Lakeline Main Lane	ETC	\$ 0.55	\$ 0.82	\$ 0.27
				\$ 3.36	
<b>Manor</b>					
	183 Direct Connectors	ETC	\$ 0.56	\$ 0.57	
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