

HCTRA Toll Setting Policy

1. Introduction

Harris County Toll Road Authority (HCTRA) currently operates several toll facilities in the greater Houston area, including:

- Sam Houston Tollway
- Hardy Toll Road
- Houston Ship Channel Bridge
- Westpark Tollway
- Fort Bend Parkway Extension
- Tomball Tollway
- Katy Freeway Managed Lanes

Each of these facilities generates revenue from the collection of tolls. A schedule of toll rates is established at each toll plaza, or other toll collection point, on the system for each classification of vehicle.

This document updates the previous HCTRA toll setting policy, developed in 2007, when only cash and automated vehicle identification (AVI) electronic toll collection were used at traditional ramp and mainline toll plazas on the HCTRA System. Over several years, new segments were added to the HCTRA System that did not include cash collection, which was progressively eliminated on two legacy system components, namely the Hardy Toll Road and the Houston Ship Channel Bridge.

In 2020, triggered by the onset of travel and other constraints associated with the COVID-19 pandemic, cash collection was suspended on all remaining segments of the HCTRA System and has not been restored. As such, HCTRA moved into a form of All-Electronic Tolling (AET) and considered various changes to pricing structures to better recognize the impacts of cash elimination, including initiation of license plate image tolling for those vehicles not equipped with AVI transponders.

This updated HCTRA toll setting policy incorporates operational and rate change structure modifications and updated procedures for annual rate level reviews and potential adjustments. The intent of the policy is to enable the deployment of AET, built upon current toll levels on the system. It also provides updated guidelines for future annual rate increases which may be systematically implemented reflecting annual CPI changes and/or other factors. This policy ***does not*** supersede toll rate covenants in existing or future bond documents. In the event of any conflict, such bond toll covenants will prevail in determining toll rates on the HCTRA System.

It is recommended that the policy be re-evaluated annually to confirm that it is maintaining its desired purpose, and to reflect any future changes in toll collection techniques or methods.

2. Overview of Toll Policy Changes

This update of HCTRA's toll policy was developed in October 2022, and **Exhibit A** shows current toll rates prior to the implementation of the changes included in this toll policy.

Cash collection has been eliminated systemwide, and most toll revenue is collected through AVI, using EZ Tag or other accepted transponders. Vehicles which are not equipped with AVI may still use the HCTRA facilities. Tolls are collected from non-AVI vehicles through license plate image tolling. Image transactions may be paid online, through approved third-party services or after invoicing vehicle owners. Pre-registration of license plates is also possible through HCTRA's EZ Tag Express program and serves as a form of guaranteed payment. If a license plate is also linked with an AVI account, the image transaction can be charged to the appropriate customer account at the AVI rate.

2.1 Policy Changes Related to AET Collection

Since the full elimination of cash collection, HCTRA has experienced significant revenue leakage and higher costs of processing, as such, several changes to image collection toll rates are incorporated into this policy revision. This includes establishment of new rates for four different methods of image transaction processing and payment in the form of multipliers of AVI rates. **Exhibits B and C** show toll rates for AVI and for each of four methods of processing license plate image-based transactions:

- Image transactions where license plates are linked to existing AVI accounts, which are charged the same rate as AVI transactions;
- Image transactions for license plate numbers which have been pre-registered in a HCTRA operated guaranteed payment system, which are charged a rate which is 1.2 times the AVI rate;
- Image transactions for which guaranteed toll payment is made by a third-party service provider, which are charged a rate which is 1.25 times the AVI rates; and
- Image transactions which do not fall into any of the above categories and require HCTRA invoicing of vehicle owners and collection of payments, which are charged a rate which is 2.0 times the AVI rate.

Rates are shown for all types of toll collection locations on the HCTRA system, except the Katy Freeway Managed Lanes, which uses highly variable toll rates. **Exhibit B** also shows the "minimum rate differential" for each image transaction category.

2.2 Refinement of Vehicle Classification Structure

Rates shown in **Exhibit B** are for vehicles with two axles. HCTRA uses a system of vehicle classification based on number of axles.

The current toll rates in the HCTRA system are computed using the “N-1” method with a few exceptions. In this method, “N” is the number of vehicle axles, and after subtracting “1”, the result is multiplied by the two-axle cash toll rate to obtain the multi-axle vehicle toll rate. Therefore, commercial vehicles with three or more axles are charged the toll rates obtained by multiplying “N-1” by the respective two-axle vehicle cash toll rate. Per this algorithm, for every increase in axle by a unit, toll increases by the two-axle toll rate. Additionally, it should be noted that Katy Freeway Managed Lane facility tolls all commercial vehicles with three or more axles with a constant rate of \$7.00 per transaction.

This policy document replaces the “N-1” method above with a base multi-axle rate coupled with an “(N-1)/2” multiplier method to set toll rates at all mainline and ramp gantries for vehicles with more than two axles. The base multi-axle rates for each facility are summarized in **Exhibit C**. The “(N-1)/2” multipliers are applied to the base multi-axle rate for each given payment mode, such as AVI vs image transactions. This results in adjusted base rates by classification as shown in Exhibits D through G for the various payment modes. Specifically:

- **Exhibit D** displays adjusted base toll rates for vehicles using AVI transponders;
- **Exhibit E** displays adjusted base toll rates for image transactions for vehicles pre-registered in the HCTRA license plate registration program;
- **Exhibit F** displays adjusted base toll rates for image transactions for payments made through third party service providers; and
- **Exhibit G** displays adjusted base toll rates for image transactions requiring invoicing and collections from vehicle owners.

Exhibits C through F reflect rates after introduction of the policy changes outlined above. These do not include any inflationary adjustment (discussed below) that may be implemented at the beginning of a subsequent year after implementation.

3. Definitions

The following definitions shall apply to certain terms included herein:

- **Adjusted Base Toll Rates** – For the existing HCTRA system, Adjusted Base Toll Rates by vehicle class and payment mode after deployment of policy changes discussed herein, at FY 2022 levels before any subsequent future annual CPI rate adjustments. For any new HCTRA toll facility, or new extension to existing facilities, Base Toll Rates shall be those rates which are placed in effect at the time the roadway is opened to traffic. These Adjusted Base Toll Rates shall constitute the rates to which all annual adjustments shall be applied to arrive at Computed Toll Rates.
- **Annual Adjustment Factor** – An annual percentage adjustment to be used in computing future nominal toll rates. As defined in more detail in subsequent sections, the Annual Adjustment Factor shall be one of the following, subject to annual approval by HCTRA's Executive Director: the change in CPI-W for the 12 months ended October 31 of the previous calendar year, or the Minimum Adjustment Factor for any given year.
- **Base Multi-Axle Rate** – base rate charged to all vehicles with three or more axles. Toll rates for each class are calculated using a multiplier equal to $(N-1)/2$, where N is the number of axles.
- **Base Year** – For the existing HCTRA system, the base year for calculation of future toll rates shall be FY 2022. For any new HCTRA toll facility, or new extension to existing facilities, the Base Year shall be the first fiscal year of operation.
- **Computed Toll Rates** – Toll rates which are computed by applying the annual adjustment factor for each year to the adjusted base toll rates at each toll plaza.
- **Congestion Management Rates** – Toll rates implemented during peak hours which may be higher than computed rates as needed to manage congestion on the HCTRA System.
- **EZ Tag** – Refers to EZ Tag electronic toll system
- **Fiscal Year** – The fiscal year observed by the Harris County Toll Road Authority, which shall be the twelve months beginning on October 1.
- **Image Transactions** – Toll transactions for vehicles not equipped with AVI devices, or for which the AVI device was unreadable. Video images of the vehicle's license plate is recorded. Image transactions may fall into one of four categories:
 - **VTOLL Transaction**, in which the license plate number can be associated with a valid EZ Tag or other accepted AVI account, in which case the transactions is converted to an AVI transaction and charged at the AVI rate;
 - **Pre-registered Plate Transaction** – In which the vehicle license plate number is pre-registered through a HCTRA operated pre-registration system which provides automatic guaranteed payment, and is charged at a rate 1.2 times the AVI rate;
 - **Third Party Image Transaction** – In which the image transaction is processed and paid through a third-party service provider and is charged at a rate 1.25 times the

AVI rate. (note: third party transactions completed using AVI may be charged at the AVI rate).

- **Invoiced Image Transaction** – An image transaction not falling into one of the three categories above, thus requiring HCTRA invoicing and collection, is charged at a rate 2.0 times the AVI rate.
- **Managed Lane Facilities** – A toll facility in which tolled lanes (or a tolled roadway) compete directly with immediately adjacent toll-free lanes, in which highly variable toll rates are needed to manage demand. Pricing on these types of facilities will be dictated based on demand management requirements and will not be directly subjected to annual adjustments included in this policy.
- **Minimum Adjustment Factor** – The minimum annual adjustment factor to be used in any given fiscal year shall be 2.0 percent. The minimum adjustment factor may be changed at any time by action of HCTRA leadership if needed to provide adequate toll revenue or for other reasons.
- **(N-1)/2 Classification**- For vehicles with three or more axles, the toll rate at a given location and payment mode shall be computed using the “(N-1)/2” method, in which the toll rate is determined by subtracting “1” from the number of axles (N), dividing by two. For example, the toll for a four-axle truck would be three $(4-1)/2$, or 1.5 times the base multi-axle rate.
- **Rate Multiplier** – For image transactions, the multiplier of AVI rates for a given location and vehicle class used to determine rate for alternative types of image transactions.

4. Bond Toll Covenants Prevail

This policy shall be in full effect only to the extent that revenues generated on the HCTRA System are sufficient to meet bond toll covenant requirements. Nothing in this policy shall, in any way, alter or supersede toll covenant provisions included in bond indentures or other bond documents associated with any outstanding, or future issued HCTRA revenue bonds. All toll covenant provisions of such bond documents will control. Specifically, in the event that revenue produced under a toll schedule resulting from this policy is insufficient to meet debt service and other prescribed coverage requirements for outstanding bonds, procedures prescribed in the bond documents will be followed, and appropriate adjustments to toll rates shall be made, even if inconsistent with this rate setting policy.

5. Annual Rate Review and Adjustments

Toll rates on the HCTRA System shall be reviewed and, as appropriate, adjusted on an annual basis. Base Toll Rates may be adjusted each year using the Annual Adjustment Factor to determine new Computed Toll Rates. Computed Toll Rates shall then be rounded to the nearest \$0.01 for each classification, payment mode and plaza location.

Annual Adjustment Factor - The Annual Adjustment Factor shall be one of the following, subject to annual approval by HCTRA's Executive Director:

- The net change in consumer price index (CPI-W), Houston-The Woodlands-Sugar Land region, as published by the Bureau of Labor Statistics, U.S. Department of Labor (base year 1984), as of May 31, as compared to the index for May 31 of the prior year; or
- The Minimum Adjustment Factor

In determining the net change in CPI-W to be used in determining new rates in each new fiscal year, the May 31 CPI-W value for the immediately preceding calendar year shall be divided by the May 31 CPI-W value for the next preceding calendar year.

The Annual Adjustment Factor for each year may then be used to determine the new Computed Toll Rates. Annual Adjustment Factors shall be recorded for each year, and the Computed Toll Rates in each future fiscal year shall be the product of the Base Toll Rates times the compounded product of Annual Adjustment Factors for all intervening years.

Implementation Dates - If changes are to be made, a new toll rate schedule for all vehicle classes, plaza locations and payment categories, shall be implemented on the HCTRA System on October 1 of each fiscal year. That schedule shall remain in effect until the last day of the following September. The Annual Adjustment Factor for each year shall be determined by July 15, and notice of any modifications in rate shall be provided to the public by August 15 of each fiscal year.

6. Managed Lane Facilities

Some toll facilities operated by HCTRA, are defined as Managed Lane Facilities. These facilities involve tolling only a portion of lanes on a freeway facility, or a full roadway located immediately adjacent to a freeway. An example of a managed lane project operated by HCTRA is the Katy Freeway Managed Lanes on IH-10.

On Managed Lane Facilities, toll rates are variable by time of day and are set to manage demand in the toll lanes. Toll rates used on managed lane facilities are adjusted frequently during the day, and by travel direction. Variable toll schedules may be established either on a pre-set basis or may be adjusted "dynamically" during the day as determined by traffic levels on the facility.

Toll rates may need to be adjusted more frequently than on an annual basis and may need to increase at a pace different than the annual adjustment factor used for other toll facilities on the HCTRA System. As such, Managed Lane Facilities are not be subject to provisions of this HCTRA toll rate setting policy.

7. Future HCTRA Facilities

HCTRA may implement extensions to existing toll facilities or new toll facility projects in the future. New HCTRA facilities not in operation as of FY 2023, shall be subject to this toll rate setting policy. Toll rates in effect at the time each new project, or project extension, opens for traffic shall become the base toll rates for those facilities, and each associated toll point. The base year for the new projects, or project extension, shall be the first fiscal year of operation of the new facility. The base toll rates will be adjusted in subsequent years, using the procedures set forth in this policy.

New HCTRA facilities which are defined as Managed Lane Facilities, as defined in Section 6.0 above, shall not be subject to this toll rate setting policy.

8. EZ Tag Discount Rate

Exhibit H includes the EZ Tag rate for two-axle vehicles. This includes a ten percent discount from the AVI rate. The EZ Tag discount rate applies solely to two-axle vehicles with EZ Tag transponders. The following payment types and classes are excluded from the discount and will be the same toll rates as shown in **Exhibit B**:

- Vehicles with three or more axles
- Vehicles with transponders other than EZ Tag
- All image-based transactions

**Exhibit A
Current Toll Rates on HCTRA System**

Toll Facility	Two-Axle		Vehicle Type (AVI/Image ⁽¹⁾ Rate)			
	AVI Rate	Image ⁽¹⁾ Rate	Three Axle	Four Axle	Five Axle	Six Axle
Sam Houston Tollway						
Mainline Plazas	\$1.50	\$1.75	\$3.50	\$5.25	\$7.00	\$8.75
SHT Ramp Group A ⁽²⁾	\$1.20	\$1.25	\$2.75	\$3.75	\$5.00	\$6.25
SHT Ramp Group B ⁽³⁾	\$0.90	\$1.00	\$2.00	\$3.00	\$4.00	\$5.00
SHT Ramp Group C ⁽⁴⁾	\$0.50	\$0.50	\$1.25	\$1.75	\$2.00	\$2.50
Ship Channel Bridge	\$1.50	\$2.00	\$3.50	\$5.25	\$7.00	\$8.75
Hardy Toll Road						
Mainline Plazas	\$1.50	\$1.75	\$3.50	\$5.25	\$7.00	\$8.75
HTR Ramp Group A ⁽⁵⁾	\$1.20	\$1.25	\$2.75	\$3.75	\$5.00	\$6.25
HTR Ramp Group B ⁽⁶⁾	\$0.90	\$1.00	\$2.00	\$3.00	\$4.00	\$5.00
Westpark Tollway						
Mainline Plazas	\$1.50	\$1.75	\$3.50	\$5.25	\$7.00	\$8.75
WPT Plaza Group B ⁽⁷⁾	\$1.20	\$1.25	\$2.75	\$3.75	\$5.00	\$6.25
WPT Plaza Group C ⁽⁸⁾	\$0.75	\$0.75	\$1.50	\$2.25	\$3.00	\$3.75
WPT Plaza Group D ⁽⁹⁾	\$0.50	\$0.50	\$1.25	\$1.75	\$2.00	\$2.50
WPT Plaza Group E ⁽¹⁰⁾	\$0.40	\$0.50	\$1.00	\$1.50	\$2.10	\$2.50
Fort Bend Pky Ext.	\$1.50	\$1.75	\$3.50	\$5.25	\$7.00	\$8.75
Tomball Tollway						
Mainline Plaza	\$1.50	\$1.75	\$3.50	\$5.25	\$7.00	\$8.75
Boudreaux / Grand Pky	\$1.20	\$1.25	\$2.75	\$3.75	\$5.00	\$6.25
SH 249/ Holderrieth	\$0.90	\$1.00	\$2.00	\$3.00	\$4.00	\$5.00
FM 2920	\$0.75	\$0.75	\$1.50	\$2.25	\$3.00	\$3.75
Brown Rd.	\$0.50	\$0.50	\$1.25	\$1.75	\$2.00	\$2.50

(1) - Image transactions are non-AVI transactions based on license plate images.

(2) SHT Ramp Group A includes W. Lake Houston, Generation Pkwy, Garrett Rd, Spencer Hwy, Fairmont Pkwy, SH 35, Wayside, Alameda Rd, W Fuqua St, Westheimer Rd, Briar Forest Dr, Clay Rd, Tanner Rd, Fallbrook Dr, N. Gessner Rd and

(3) SHT Ramp Group B includes John Ralston Road, Tidwell, Red Bluff, Monroe / Pearland Parkway, Cullen (FM 865), Hillcroft Avenue, South Main / US 90, Bellaire, Hammerly Boulevard / Kempwood, and West Road

(4) SHT Ramp Group C includes Wilson Road and Beltway 8 (to Westpark east or west)

(5) Hardy Toll Road Ramp Group A includes Little York, Aldine Mail Route, Airport Connector, Richey Road, and FM 1960

(6) Hardy Toll Road Ramp Group B includes Tidwell Road, Central Greens Blvd, and Rankin Road

(7) Westpark Tollway Ramp Group A includes Cook Road

(8) Westpark Tollway Ramp Group B Fondren East

(9) Westpark Tollway Ramp Group C Beltway 8 (to southbound Sam Houston) and Fondren Road

(10) Westpark Tollway Ramp Group D Gessner Road East, South Post Oak Blvd, and Westpark Drive East

**Exhibit B
New Base Two-Axle Vehicle Toll Rates by Payment Type**

Toll Facility	AVI	License Plate Image Transaction Rates ⁽¹⁾			
		Linked to AVI Acct (VTOLL)	HCTRA Pre-Reg. Lic. Plate	3rd Party Service Image Txn	Invoiced Image Transaction
Rate Multiplier					
AVI Rate Multiplier	1.00	1.00	1.20	1.25	2.00
Minimum Differential			\$0.15	\$0.20	\$0.50
Sam Houston Tollway					
Mainline Plazas	\$1.50	\$1.50	\$1.80	\$1.88	\$3.00
SHT Ramp Group A ⁽²⁾	\$1.20	\$1.20	\$1.44	\$1.50	\$2.40
SHT Ramp Group B ⁽³⁾	\$0.90	\$0.90	\$1.08	\$1.13	\$1.80
SHT Ramp Group C ⁽⁴⁾	\$0.50	\$0.50	\$0.65	\$0.70	\$1.00
Ship Channel Bridge	\$1.50	\$1.50	\$1.80	\$1.88	\$3.00
Hardy Toll Road					
Mainline Plazas	\$1.50	\$1.50	\$1.80	\$1.88	\$3.00
HTR Ramp Group A ⁽⁵⁾	\$1.20	\$1.20	\$1.44	\$1.50	\$2.40
HTR Ramp Group B ⁽⁶⁾	\$0.90	\$0.90	\$1.08	\$1.13	\$1.80
Westpark Tollway					
Mainline Plazas	\$1.50	\$1.50	\$1.80	\$1.88	\$3.00
WPT Plaza Group B ⁽⁷⁾	\$1.20	\$1.20	\$1.44	\$1.50	\$2.40
WPT Plaza Group C ⁽⁸⁾	\$0.75	\$0.75	\$0.90	\$0.95	\$1.50
WPT Plaza Group D ⁽⁹⁾	\$0.50	\$0.50	\$0.65	\$0.70	\$1.00
WPT Plaza Group E ⁽¹⁰⁾	\$0.40	\$0.40	\$0.55	\$0.60	\$0.90
Fort Bend Pky Ext.	\$1.50	\$1.50	\$1.80	\$1.88	\$3.00
Tomball Tollway					
Mainline Plaza	\$1.50	\$1.50	\$1.80	\$1.88	\$3.00
Boudreaux / Grand Pky	\$1.20	\$1.20	\$1.44	\$1.50	\$2.40
SH 249/ Holderrieth	\$0.90	\$0.90	\$1.08	\$1.13	\$1.80
FM 2920	\$0.75	\$0.75	\$0.90	\$0.95	\$1.50
Brown Rd.	\$0.50	\$0.50	\$0.65	\$0.70	\$1.00

- (1) Image transactions are non-AVI transactions based on license plate images.
- (2) SHT Ramp Group A includes W. Lake Houston, Generation Pkwy, Garrett Rd, Spencer Hwy, Fairmont Pkwy, SH 35,
- (3) SHT Ramp Group B includes John Ralston Road, Tidwell, Red Bluff, Monroe / Pearland Parkway, Cullen (FM 865),
- (4) SHT Ramp Group C includes Wilson Road and Beltway 8 (to Westpark east or west)
- (5) Hardy Toll Road Ramp Group A includes Little York, Aldine Mail Route, Airport Connector, Richey Road, and FM 1960
- (6) Hardy Toll Road Ramp Group B includes Tidwell Road, Central Greens Blvd, and Rankin Road
- (7) Westpark Tollway Ramp Group A includes Cook Road
- (8) Westpark Tollway Ramp Group B Fondren East
- (9) Westpark Tollway Ramp Group C Beltway 8 (to southbound Sam Houston) and Fondren Road
- (10) Westpark Tollway Ramp Group D Gessner Road East, South Post Oak Blvd, and Westpark Drive East

**Exhibit C
New Base Multi-Axle Vehicle Toll Rates by Payment Type**

Toll Facility	AVI	License Plate Image Transaction Rates ⁽¹⁾			
		Linked to AVI Acct (VTOLL)	HCTRA Pre-Reg. Lic. Plate	3rd Party Service Image Txn	Invoiced Image Transaction
Rate Multiplier					
AVI Rate Multiplier	1.00	1.00	1.20	1.25	2.00
Minimum Differential			\$0.30	\$0.40	\$1.00
Sam Houston Tollway					
Mainline Plazas	\$3.50	\$3.50	\$4.20	\$4.38	\$7.00
SHT Ramp Group A ⁽²⁾	\$2.50	\$2.50	\$3.00	\$3.13	\$5.00
SHT Ramp Group B ⁽³⁾	\$2.00	\$2.00	\$2.40	\$2.50	\$4.00
SHT Ramp Group C ⁽⁴⁾	\$1.00	\$1.00	\$1.30	\$1.40	\$2.00
Ship Channel Bridge	\$4.00	\$4.00	\$4.80	\$5.00	\$8.00
Hardy Toll Road					
Mainline Plazas	\$3.50	\$3.50	\$4.20	\$4.38	\$7.00
HTR Ramp Group A ⁽⁵⁾	\$2.50	\$2.50	\$3.00	\$3.13	\$5.00
HTR Ramp Group B ⁽⁶⁾	\$2.00	\$2.00	\$2.40	\$2.50	\$4.00
Westpark Tollway					
Mainline Plazas	\$3.50	\$3.50	\$4.20	\$4.38	\$7.00
WPT Plaza Group B ⁽⁷⁾	\$2.50	\$2.50	\$3.00	\$3.13	\$5.00
WPT Plaza Group C ⁽⁸⁾	\$1.50	\$1.50	\$1.80	\$1.90	\$3.00
WPT Plaza Group D ⁽⁹⁾	\$1.00	\$1.00	\$1.30	\$1.40	\$2.00
WPT Plaza Group E ⁽¹⁰⁾	\$1.00	\$1.00	\$1.30	\$1.40	\$2.00
Fort Bend Pky Ext.	\$3.50	\$3.50	\$4.20	\$4.38	\$7.00
Tomball Tollway					
Mainline Plaza	\$3.50	\$3.50	\$4.20	\$4.38	\$7.00
Boudreaux / Grand Pky	\$2.50	\$2.50	\$3.00	\$3.13	\$5.00
SH 249/ Holderrieth	\$2.00	\$2.00	\$2.40	\$2.50	\$4.00
FM 2920	\$1.50	\$1.50	\$1.80	\$1.90	\$3.00
Brown Rd.	\$1.00	\$1.00	\$1.30	\$1.40	\$2.00

- (1) - Image transactions are non-AVI transactions based on license plate images.
- (2) SHT Ramp Group A includes W. Lake Houston, Generation Pkwy, Garrett Rd, Spencer Hwy, Fairmont Pkwy, SH
- (3) SHT Ramp Group B includes John Ralston Road, Tidwell, Red Bluff, Monroe / Pearland Parkway, Cullen (FM
- (4) SHT Ramp Group C includes Wilson Road and Beltway 8 (to Westpark east or west)
- (5) Hardy Toll Road Ramp Group A includes Little York, Aldine Mail Route, Airport Connector, Richey Road, and F
- (6) Hardy Toll Road Ramp Group B includes Tidwell Road, Central Greens Blvd, and Rankin Road
- (7) Westpark Tollway Ramp Group A includes Cook Road
- (8) Westpark Tollway Ramp Group B Fondren East
- (9) Westpark Tollway Ramp Group C Beltway 8 (to southbound Sam Houston) and Fondren Road
- (10) Westpark Tollway Ramp Group D Gessner Road East, South Post Oak Blvd, and Westpark Drive East

Exhibit D
New Base AVI Toll Rates by Vehicle Class ⁽¹⁾

Toll Facility	Vehicle Classification						
	Two Axle	Three Axle	Four Axle	Five Axle	Six Axle	Seven Axle	Eight or More Axle
Sam Houston Tollway							
Mainline Plazas	\$1.50	\$3.50	\$5.25	\$7.00	\$8.75	\$10.50	\$12.25
SHT Ramp Group A ⁽²⁾	\$1.20	\$2.50	\$3.75	\$5.00	\$6.25	\$7.50	\$8.75
SHT Ramp Group B ⁽³⁾	\$0.90	\$2.00	\$3.00	\$4.00	\$5.00	\$6.00	\$7.00
SHT Ramp Group C ⁽⁴⁾	\$0.50	\$1.00	\$1.50	\$2.00	\$2.50	\$3.00	\$3.50
Ship Channel Bridge							
	\$1.50	\$4.00	\$6.00	\$8.00	\$10.00	\$12.00	\$14.00
Hardy Toll Road							
Mainline Plazas	\$1.50	\$3.50	\$5.25	\$7.00	\$8.75	\$10.50	\$12.25
HTR Ramp Group A ⁽⁵⁾	\$1.20	\$2.50	\$3.75	\$5.00	\$6.25	\$7.50	\$8.75
HTR Ramp Group B ⁽⁶⁾	\$0.90	\$2.00	\$3.00	\$4.00	\$5.00	\$6.00	\$7.00
Westpark Tollway							
Mainline Plazas	\$1.50	\$3.50	\$5.25	\$7.00	\$8.75	\$10.50	\$12.25
WPT Plaza Group B ⁽⁷⁾	\$1.20	\$2.50	\$3.75	\$5.00	\$6.25	\$7.50	\$8.75
WPT Plaza Group C ⁽⁸⁾	\$0.75	\$1.50	\$2.25	\$3.00	\$3.75	\$4.50	\$5.25
WPT Plaza Group D ⁽⁹⁾	\$0.50	\$1.00	\$1.50	\$2.00	\$2.50	\$3.00	\$3.50
WPT Plaza Group E ⁽¹⁰⁾	\$0.40	\$1.00	\$1.50	\$2.00	\$2.50	\$3.00	\$3.50
Fort Bend Pky Ext.							
	\$1.50	\$3.50	\$5.25	\$7.00	\$8.75	\$10.50	\$12.25
Tomball Tollway							
Mainline Plaza	\$1.50	\$3.50	\$5.25	\$7.00	\$8.75	\$10.50	\$12.25
Boudreaux / Grand Pky	\$1.20	\$2.50	\$3.75	\$5.00	\$6.25	\$7.50	\$8.75
SH 249/ Holderrieth	\$0.90	\$2.00	\$3.00	\$4.00	\$5.00	\$6.00	\$7.00
FM 2920	\$0.75	\$1.50	\$2.25	\$3.00	\$3.75	\$4.50	\$5.25
Brown Rd.	\$0.50	\$1.00	\$1.50	\$2.00	\$2.50	\$3.00	\$3.50

(1) - Includes EZ Tag and other AVI transponders accepted on the HCTRA system.

(2) SHT Ramp Group A includes W. Lake Houston, Generation Pkwy, Garrett Rd, Spencer Hwy, Fairmont Pkwy, SH 35,

(3) SHT Ramp Group B includes John Ralston Road, Tidwell, Red Bluff, Monroe / Pearland Parkway, Cullen (FM 865),

(4) SHT Ramp Group C includes Wilson Road and Beltway 8 (to Westpark east or west)

(5) Hardy Toll Road Ramp Group A includes Little York, Aldine Mail Route, Airport Connector, Richey Road, and FM 1960

(6) Hardy Toll Road Ramp Group B includes Tidwell Road, Central Greens Blvd, and Rankin Road

(7) Westpark Tollway Ramp Group A includes Cook Road

(8) Westpark Tollway Ramp Group B Fondren East

(9) Westpark Tollway Ramp Group C Beltway 8 (to southbound Sam Houston) and Fondren Road

(10) Westpark Tollway Ramp Group D Gessner Road East, South Post Oak Blvd, and Westpark Drive East

Exhibit E

HCTRA Pre-Registered Image Toll Rates by Vehicle Class⁽¹⁾

Toll Facility	Vehicle Classification						
	Two Axle	Three Axle	Four Axle	Five Axle	Six Axle	Seven Axle	Eight or More Axle
Sam Houston Tollway							
Mainline Plazas	\$1.80	\$4.20	\$6.30	\$8.40	\$10.50	\$12.60	\$14.70
SHT Ramp Group A ⁽²⁾	\$1.44	\$3.00	\$4.50	\$6.00	\$7.50	\$9.00	\$10.50
SHT Ramp Group B ⁽³⁾	\$1.08	\$2.40	\$3.60	\$4.80	\$6.00	\$7.20	\$8.40
SHT Ramp Group C ⁽⁴⁾	\$0.65	\$1.30	\$1.95	\$2.60	\$3.25	\$3.90	\$4.55
Ship Channel Bridge	\$1.80	\$4.80	\$7.20	\$9.60	\$12.00	\$14.40	\$16.80
Hardy Toll Road							
Mainline Plazas	\$1.80	\$4.20	\$6.30	\$8.40	\$10.50	\$12.60	\$14.70
HTR Ramp Group A ⁽⁵⁾	\$1.44	\$3.00	\$4.50	\$6.00	\$7.50	\$9.00	\$10.50
HTR Ramp Group B ⁽⁶⁾	\$1.08	\$2.40	\$3.60	\$4.80	\$6.00	\$7.20	\$8.40
Westpark Tollway							
Mainline Plazas	\$1.80	\$4.20	\$6.30	\$8.40	\$10.50	\$12.60	\$14.70
WPT Plaza Group B ⁽⁷⁾	\$1.44	\$3.00	\$4.50	\$6.00	\$7.50	\$9.00	\$10.50
WPT Plaza Group C ⁽⁸⁾	\$0.90	\$1.80	\$2.70	\$3.60	\$4.50	\$5.40	\$6.30
WPT Plaza Group D ⁽⁹⁾	\$0.65	\$1.30	\$1.95	\$2.60	\$3.25	\$3.90	\$4.55
WPT Plaza Group E ⁽¹⁰⁾	\$0.55	\$1.30	\$1.95	\$2.60	\$3.25	\$3.90	\$4.55
Fort Bend Pky Ext.	\$1.80	\$4.20	\$6.30	\$8.40	\$10.50	\$12.60	\$14.70
Tomball Tollway							
Mainline Plaza	\$1.80	\$4.20	\$6.30	\$8.40	\$10.50	\$12.60	\$14.70
Boudreaux / Grand Pky	\$1.44	\$3.00	\$4.50	\$6.00	\$7.50	\$9.00	\$10.50
SH 249/ Holderrieth	\$1.08	\$2.40	\$3.60	\$4.80	\$6.00	\$7.20	\$8.40
FM 2920	\$0.90	\$1.80	\$2.70	\$3.60	\$4.50	\$5.40	\$6.30
Brown Rd.	\$0.65	\$1.30	\$1.95	\$2.60	\$3.25	\$3.90	\$4.55

- (1) - Image transactions involving license plates on vehicles registered under HCTRA registered payment program.
- (2) SHT Ramp Group A includes W. Lake Houston, Generation Pkwy, Garrett Rd, Spencer Hwy, Fairmont Pkwy, SH 35,
- (3) SHT Ramp Group B includes John Ralston Road, Tidwell, Red Bluff, Monroe / Pearland Parkway, Cullen (FM 865),
- (4) SHT Ramp Group C includes Wilson Road and Beltway 8 (to Westpark east or west)
- (5) Hardy Toll Road Ramp Group A includes Little York, Aldine Mail Route, Airport Connector, Richey Road, and FM 1960
- (6) Hardy Toll Road Ramp Group B includes Tidwell Road, Central Greens Blvd, and Rankin Road
- (7) Westpark Tollway Ramp Group A includes Cook Road
- (8) Westpark Tollway Ramp Group B Fondren East
- (9) Westpark Tollway Ramp Group C Beltway 8 (to southbound Sam Houston) and Fondren Road
- (10) Westpark Tollway Ramp Group D Gessner Road East, South Post Oak Blvd, and Westpark Drive East

Exhibit F

Third Party Service Image Toll Rates by Vehicle Class⁽¹⁾

Toll Facility	Vehicle Classification						
	Two Axle	Three Axle	Four Axle	Five Axle	Six Axle	Seven Axle	Eight or More Axle
Sam Houston Tollway							
Mainline Plazas	\$1.88	\$4.38	\$6.57	\$8.76	\$10.95	\$13.14	\$15.33
SHT Ramp Group A ⁽²⁾	\$1.50	\$3.13	\$4.70	\$6.26	\$7.83	\$9.39	\$10.96
SHT Ramp Group B ⁽³⁾	\$1.13	\$2.50	\$3.75	\$5.00	\$6.25	\$7.50	\$8.75
SHT Ramp Group C ⁽⁴⁾	\$0.70	\$1.40	\$2.10	\$2.80	\$3.50	\$4.20	\$4.90
Ship Channel Bridge	\$1.88	\$5.00	\$7.50	\$10.00	\$12.50	\$15.00	\$17.50
Hardy Toll Road							
Mainline Plazas	\$1.88	\$4.38	\$6.57	\$8.76	\$10.95	\$13.14	\$15.33
HTR Ramp Group A ⁽⁵⁾	\$1.50	\$3.13	\$4.70	\$6.26	\$7.83	\$9.39	\$10.96
HTR Ramp Group B ⁽⁶⁾	\$1.13	\$2.50	\$3.75	\$5.00	\$6.25	\$7.50	\$8.75
Westpark Tollway							
Mainline Plazas	\$1.88	\$4.38	\$6.57	\$8.76	\$10.95	\$13.14	\$15.33
WPT Plaza Group B ⁽⁷⁾	\$1.50	\$3.13	\$4.70	\$6.26	\$7.83	\$9.39	\$10.96
WPT Plaza Group C ⁽⁸⁾	\$0.95	\$1.90	\$2.85	\$3.80	\$4.75	\$5.70	\$6.65
WPT Plaza Group D ⁽⁹⁾	\$0.70	\$1.40	\$2.10	\$2.80	\$3.50	\$4.20	\$4.90
WPT Plaza Group E ⁽¹⁰⁾	\$0.60	\$1.40	\$2.10	\$2.80	\$3.50	\$4.20	\$4.90
Fort Bend Pky Ext.	\$1.88	\$4.38	\$6.57	\$8.76	\$10.95	\$13.14	\$15.33
Tomball Tollway							
Mainline Plaza	\$1.88	\$4.38	\$6.57	\$8.76	\$10.95	\$13.14	\$15.33
Boudreaux / Grand Pky	\$1.50	\$3.13	\$4.70	\$6.26	\$7.83	\$9.39	\$10.96
SH 249/ Holderrieth	\$1.13	\$2.50	\$3.75	\$5.00	\$6.25	\$7.50	\$8.75
FM 2920	\$0.95	\$1.90	\$2.85	\$3.80	\$4.75	\$5.70	\$6.65
Brown Rd.	\$0.70	\$1.40	\$2.10	\$2.80	\$3.50	\$4.20	\$4.90

(1) - Image transactions involving license plates on vehicles registered under Third Party Payment Provider Services.

(2) SHT Ramp Group A includes W. Lake Houston, Generation Pkwy, Garrett Rd, Spencer Hwy, Fairmont Pkwy, SH 35,

(3) SHT Ramp Group B includes John Ralston Road, Tidwell, Red Bluff, Monroe / Pearland Parkway, Cullen (FM 865),

(4) SHT Ramp Group C includes Wilson Road and Beltway 8 (to Westpark east or west)

(5) Hardy Toll Road Ramp Group A includes Little York, Aldine Mail Route, Airport Connector, Richey Road, and FM 1960

(6) Hardy Toll Road Ramp Group B includes Tidwell Road, Central Greens Blvd, and Rankin Road

(7) Westpark Tollway Ramp Group A includes Cook Road

(8) Westpark Tollway Ramp Group B Fondren East

(9) Westpark Tollway Ramp Group C Beltway 8 (to southbound Sam Houston) and Fondren Road

(10) Westpark Tollway Ramp Group D Gessner Road East, South Post Oak Blvd, and Westpark Drive East

Exhibit G

Invoiced Image Toll Rates by Vehicle Class⁽¹⁾

Toll Facility	Vehicle Classification						
	Two Axle	Three Axle	Four Axle	Five Axle	Six Axle	Seven Axle	Eight or More Axle
Sam Houston Tollway							
Mainline Plazas	\$3.00	\$7.00	\$10.50	\$14.00	\$17.50	\$21.00	\$24.50
SHT Ramp Group A ⁽²⁾	\$2.40	\$5.00	\$7.50	\$10.00	\$12.50	\$15.00	\$17.50
SHT Ramp Group B ⁽³⁾	\$1.80	\$4.00	\$6.00	\$8.00	\$10.00	\$12.00	\$14.00
SHT Ramp Group C ⁽⁴⁾	\$1.00	\$2.00	\$3.00	\$4.00	\$5.00	\$6.00	\$7.00
Ship Channel Bridge	\$3.00	\$8.00	\$12.00	\$16.00	\$20.00	\$24.00	\$28.00
Hardy Toll Road							
Mainline Plazas	\$3.00	\$7.00	\$10.50	\$14.00	\$17.50	\$21.00	\$24.50
HTR Ramp Group A ⁽⁵⁾	\$2.40	\$5.00	\$7.50	\$10.00	\$12.50	\$15.00	\$17.50
HTR Ramp Group B ⁽⁶⁾	\$1.80	\$4.00	\$6.00	\$8.00	\$10.00	\$12.00	\$14.00
Westpark Tollway							
Mainline Plazas	\$3.00	\$7.00	\$10.50	\$14.00	\$17.50	\$21.00	\$24.50
WPT Plaza Group B ⁽⁷⁾	\$2.40	\$5.00	\$7.50	\$10.00	\$12.50	\$15.00	\$17.50
WPT Plaza Group C ⁽⁸⁾	\$1.50	\$3.00	\$4.50	\$6.00	\$7.50	\$9.00	\$10.50
WPT Plaza Group D ⁽⁹⁾	\$1.00	\$2.00	\$3.00	\$4.00	\$5.00	\$6.00	\$7.00
WPT Plaza Group E ⁽¹⁰⁾	\$0.90	\$2.00	\$3.00	\$4.00	\$5.00	\$6.00	\$7.00
Fort Bend Pky Ext.	\$3.00	\$7.00	\$10.50	\$14.00	\$17.50	\$21.00	\$24.50
Tomball Tollway							
Mainline Plaza	\$3.00	\$7.00	\$10.50	\$14.00	\$17.50	\$21.00	\$24.50
Boudreaux / Grand Pky	\$2.40	\$5.00	\$7.50	\$10.00	\$12.50	\$15.00	\$17.50
SH 249/ Holderrieth	\$1.80	\$4.00	\$6.00	\$8.00	\$10.00	\$12.00	\$14.00
FM 2920	\$1.50	\$3.00	\$4.50	\$6.00	\$7.50	\$9.00	\$10.50
Brown Rd.	\$1.00	\$2.00	\$3.00	\$4.00	\$5.00	\$6.00	\$7.00

(1) - Image transactions which are not pre-registered which require HCTRA invoicing.

(2) SHT Ramp Group A includes W. Lake Houston, Generation Pkwy, Garrett Rd, Spencer Hwy, Fairmont Pkwy, SH 35,

(3) SHT Ramp Group B includes John Ralston Road, Tidwell, Red Bluff, Monroe / Pearland Parkway, Cullen (FM 865),

(4) SHT Ramp Group C includes Wilson Road and Beltway 8 (to Westpark east or west)

(5) Hardy Toll Road Ramp Group A includes Little York, Aldine Mail Route, Airport Connector, Richey Road, and FM 1960

(6) Hardy Toll Road Ramp Group B includes Tidwell Road, Central Greens Blvd, and Rankin Road

(7) Westpark Tollway Ramp Group A includes Cook Road

(8) Westpark Tollway Ramp Group B Fondren East

(9) Westpark Tollway Ramp Group C Beltway 8 (to southbound Sam Houston) and Fondren Road

(10) Westpark Tollway Ramp Group D Gessner Road East, South Post Oak Blvd, and Westpark Drive East

**Exhibit H
New Base Two-Axle Vehicle Toll Rates by Payment Type (10% EZ Tag Discount)**

Toll Facility	EZ Tag (10% Discount)	License Plate Image Transaction Rates ⁽¹⁾			
		Other Accepted AVI/VTOLL	HCTRA Pre-Reg. Lic. Plate	3rd Party Service Image Txn	Invoiced Image Transaction
<u>EZ Tag Rate Multiplier</u>					
AVI Rate Multiplier	0.90	1.00	1.20	1.25	2.00
Minimum Differential			\$0.15	\$0.20	\$0.50
Sam Houston Tollway					
Mainline Plazas	\$1.35	\$1.50	\$1.80	\$1.88	\$3.00
SHT Ramp Group A ⁽²⁾	\$1.08	\$1.20	\$1.44	\$1.50	\$2.40
SHT Ramp Group B ⁽³⁾	\$0.81	\$0.90	\$1.08	\$1.13	\$1.80
SHT Ramp Group C ⁽⁴⁾	\$0.45	\$0.50	\$0.65	\$0.70	\$1.00
Ship Channel Bridge	\$1.35	\$1.50	\$1.80	\$1.88	\$3.00
Hardy Toll Road					
Mainline Plazas	\$1.35	\$1.50	\$1.80	\$1.88	\$3.00
HTR Ramp Group A ⁽⁵⁾	\$1.08	\$1.20	\$1.44	\$1.50	\$2.40
HTR Ramp Group B ⁽⁶⁾	\$0.81	\$0.90	\$1.08	\$1.13	\$1.80
Westpark Tollway					
Mainline Plazas	\$1.35	\$1.50	\$1.80	\$1.88	\$3.00
WPT Plaza Group B ⁽⁷⁾	\$1.08	\$1.20	\$1.44	\$1.50	\$2.40
WPT Plaza Group C ⁽⁸⁾	\$0.68	\$0.75	\$0.90	\$0.95	\$1.50
WPT Plaza Group D ⁽⁹⁾	\$0.45	\$0.50	\$0.65	\$0.70	\$1.00
WPT Plaza Group E ⁽¹⁰⁾	\$0.36	\$0.40	\$0.55	\$0.60	\$0.90
Fort Bend Pky Ext.	\$1.35	\$1.50	\$1.80	\$1.88	\$3.00
Tomball Tollway					
Mainline Plaza	\$1.35	\$1.50	\$1.80	\$1.88	\$3.00
Boudreaux / Grand Pky	\$1.08	\$1.20	\$1.44	\$1.50	\$2.40
SH 249/ Holderrieth	\$0.81	\$0.90	\$1.08	\$1.13	\$1.80
FM 2920	\$0.68	\$0.75	\$0.90	\$0.95	\$1.50
Brown Rd.	\$0.45	\$0.50	\$0.65	\$0.70	\$1.00

- (1) Image transactions are non-AVI transactions based on license plate images.
- (2) SHT Ramp Group A includes W. Lake Houston, Generation Pkwy, Garrett Rd, Spencer Hwy, Fairmont Pkwy, SH 35,
- (3) SHT Ramp Group B includes John Ralston Road, Tidwell, Red Bluff, Monroe / Pearland Parkway, Cullen (FM 865),
- (4) SHT Ramp Group C includes Wilson Road and Beltway 8 (to Westpark east or west)
- (5) Hardy Toll Road Ramp Group A includes Little York, Aldine Mail Route, Airport Connector, Richey Road, and FM 1960
- (6) Hardy Toll Road Ramp Group B includes Tidwell Road, Central Greens Blvd, and Rankin Road
- (7) Westpark Tollway Ramp Group A includes Cook Road
- (8) Westpark Tollway Ramp Group B Fondren East
- (9) Westpark Tollway Ramp Group C Beltway 8 (to southbound Sam Houston) and Fondren Road
- (10) Westpark Tollway Ramp Group D Gessner Road East, South Post Oak Blvd, and Westpark Drive East