


Toll Systems


TxDOT Turnpikes

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Overview

- Update on the CTP
- Where is technology headed
 - History lesson
 - TxDOT's TxTag® program
 - TxDOT's Video Billing program

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Central Texas Turnpike Project Update TxTag

- 68 miles of new turnpike in and near Austin
- Construction nearing completion on parts of system
- Ahead of schedule, under budget
- 4 of 7 major plazas open Fall, 2006



Central Texas Turnpike Project Update TxTag

- “Traditional Systems” Express ETC and Cash



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Express ETC



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Cash lanes



- Booths or machines



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CTTP Toll Systems



- **Field equipment – United Toll Systems**
 - Vehicle detection and classification, RFID equipment, terminals, fiber, switches, computers
 - Installation under way in most sections
 - Testing in July
 - Opening in Fall 2007
- **Customer Service Center – VE Systems**
 - Open Now! www.TxTAG.org or 1-888-GO-TXTAG
 - Interoperable in Houston, Dallas

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Where is Technology Headed - History TxTag



- Manual toll collection - ???B.C. to 1940's
- Manual + automatic coin machines 1950's
- ETC in lane + manual/ACM lanes 1980's
- Express ETC + manual/ACM lanes 1990's

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The TxTag® Program



- Microchip sticker
- State of the art technology
- Statewide interoperability
 - Dallas
 - Houston
 - Tyler
 - Austin



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Ensuring Success



- Make it convenient
 - Easy to get
 - Easy to use
 - Use it on any road, immediately
 - 24/7 customer service
- Make it inexpensive
 - Low initial cost (\$20.00 to open account)
- Make it inclusive
 - Credit
 - Cash

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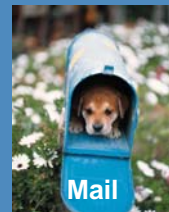
Get a TxTag



By Phone



Retail



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Adding Funds



- Account management card with each TxTag issued
- Provides access to TxTag account allowing customer to add funds as needed



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Multiple Ways



- **Manual Pay**

- Credit Card—Online, retail partner, phone
- Cash—Retail partner
- Check—by mail

- **AutoPay**

- Allows customer to link a credit card to TxTag Account to automatically replenish funds as needed

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Where Technology is Headed



- **Express ETC + cash**

- Pioneered at HCTRA (Houston), Oklahoma, TCA's (Orange County, CA)

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Express ETC + Cash - Benefits



- Flexible payment options
- Full service
- Ideal for congested projects
- Reduces plaza size



ION



Express ETC + Cash - drawbacks



- Substantial plazas on large projects



ION



Express ETC + Cash – small projects



- Not efficient on small projects



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ETC Only



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ETC Only



- **Advantages**

- Eliminate toll plazas
- Convenient for frequent users
- Safer
- Environmental benefits
 - No stopping
 - No plazas

- **Disadvantages**

- Not convenient for occasional users
- Revenue haircut

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ETC Only Disadvantages



- Not so convenient for infrequent users or persons w/o credit
- Haircut for lost revenue

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Where Technology is Headed



- Texas Transportation Commission Vision
 - No more toll booths!
- TxDOT Implementation
 - Express ETC + Video Tolling

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Video Billing



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Video Billing



- Process
 - Vehicles with TxTag® (TollTag or EZ-TAG)
 - Process as normal ETC transaction
 - Vehicles without tags
 - No pre-registration, just drive
 - Mail invoice to vehicle registered address
 - Customer pays by check, credit/debit card, via web, phone, mail

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Video Billing - Signing



- Signing is an issue:

TXTAG OK
NO TAG?
WE BILLYOU

NO TAG?
NO PROBLEM
WE BILL YOU

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Video Billing



Customer friendly, no more violations

Two types of customers

- Customers that have paid
- Customers that have not paid
 - Multiple invoices
 - Unpaid invoices go to collections
 - Uncollected invoices subject to fees, fines, court

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Video Billing Rates



- No changes to ETC program
- Video rate = ETC rate + video fee (~1/3 base toll)
- Fee for mailed statements

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Video Billing + ETC - Benefits



All benefits of ETC only, plus:

- Convenient for all (infrequent and un-banked)
- Minimal haircuts from T&R
- Increased operating cost offset by fees

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TxDOT Video Billing Implementations



- SH121 in Denton County (DFW)
 - September, 2006
- Loop49 in Tyler
 - November, 2006
- Additional projects to follow
 - TxDOT operated projects
 - Concessions

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Questions?

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