MINUTES OF THE
OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION
JANUARY 27, 2020 WORKSHOP

The January 27, 2020 Workshop of the Ohio Turnpike and Infrastructure Commission was called to order at 10:45 a.m. by Chairman Jerry Hruby.

Roll was done at which time Chairman Hruby advised that there was a quorum.

ROLL CALL OF MEMBERS:

Commission Members: Chairman Jerry Hruby, Vice Chairman Timothy Paradiso, Secretary-Treasurer Michael Peterson, Commission Member Sandra Barber, Commission Member Guy Coviello, Commission Member Vickie Eaton-Johnson, Commission Member Myron Pakush, Commission Member James Kennedy, and Vice Secretary-Treasurer Ferzan M. Ahmed, P.E.

Excused: Senator Rob McColley and Representative Dave Greenspan.

OTHER ATTENDEES:

Ohio Turnpike and Infrastructure Commission Employees: Marty Seekely, Jennifer L. Stueber, Tony Yacobucci, Todd Audet, David Miller, Brian Kelley, Lisa Mejac, Matt Cole, Chris Matta, Mike Brookbank, Laurie Davis, Joe Mannion, Chriss Pogorelc, Brian Newbacher, Sharon Isaac, Travis Bonnett, Adam Greenslade, and Jennifer Diaz.

Guests: Nathan Podoll, Scott Buchanan and Rick Gobielle.

PRESENTATION(S):

1. Presentation regarding the Toll Collection Modernization Project by Nathan Podoll of Stantec, a copy of which is attached and incorporated herein by reference.

MEETING ADJOURNED: With no further business before this Commission, Motion by Chairman Hruby, Seconded by Vice Chairman Paradiso to adjourn at 11:39 a.m. Yeas: All

PRESENTATION

What is a Toll Collection System (TCS) and why do we need a new one?

OHIO TURNPIKE
E-ZPass

January 27, 2020

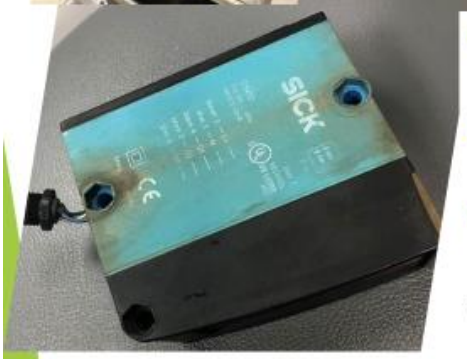
OTIC Toll Collection Evolution

Pre-2009 → 2009-Current → 2022 Open Road Tolling (ORT)

Cash | Cash, Credit, E-ZPass | Cash, Credit, E-ZPass & Open Road Tolling

Condition of Existing System

- Different components have different lives
- Typical complete system life: 7-13 years (average 10 years)
- Our current system is over 10 years old (Operational Oct 2009)



Issues with Current System

- Growing maintenance efforts
- Threat of failure
- Cyber security concerns

We need a new Toll Collection System!

What happens when a vehicle enters?

- **In lane equipment:**
  - Separates vehicles and determines height
  - Detects E-ZPass transponder if present
  - Issues ticket if no E-ZPass present
  - Counts axles
  - Weighs vehicles
- **Gate opens with:**
  - Valid E-ZPass
  - Ticket taken
- **Lane controller computer assembles information and creates an entry transaction**

What happens when a vehicle exits?

- **In lane equipment:**
  - Detects E-ZPass transponder if present
  - Accepts ticket
  - Accepts payment
  - Determines height & separates vehicle
  - Counts axles
- **Gate opens with:**
  - Valid E-ZPass read
  - Ticket payment
- **Lane controller computer assembles information and creates an exit transaction**

Development of New System

- **Current nationwide trends:**
  - Open Road Tolling (ORT) or All Electronic Tolling (AET)
- **OTIC surveyed customers and stakeholders in 2016**
- **New system will have:**
  - All new integrated components
  - Open Road Tolling (ORT)
  - Elimination of toll collection points at inefficient and low volume traffic locations

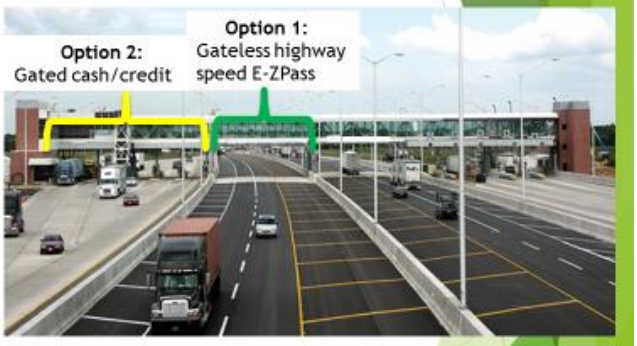
What is Open Road Tolling (ORT)

Mainline Plaza

At Mainline Plazas

Option 1: E-ZPass

Option 2: Cash and Credit



Our New System is a Hybrid ORT and Ticketed System

- Our E-ZPass penetration rate is too low for all electronic tolling (cashless)
- Maintain ticketed system **where 85%*** of toll revenue is generated
- **Hybrid** system eliminates inefficient toll points
  - Four new Open Road Tolling plazas
  - Reduce low-speed ticketed plazas from 31 to 20

* The toll revenues identified above are an estimate and not a guarantee. These estimates are subject to revision by the Commission and subject to change depending on certain events, including the economy and vehicles traveling the Turnpike. The Commission does not have any plan to issue an update to these estimates.

New Tolling System- 2022

1. Four (4) new ORT plazas (Blue & Purple)
2. Nine (9) Toll Plazas eliminated (Red), access to remain
3. Twenty Toll Plazas to remain

New System Requirements

Design and Integrate new Customer Service Center (CSC)

Construct four (4) new ORT plazas

Integrate and deploy new TCS hardware (sensors, cameras, computer equipment, etc.) and software across system

Project Phases

Toll System Component	Project Cost	Phase status
New Customer Service Center (CSC)	$7.07 Million (actual cost)	Approved by OTIC Commission (2019)
New Toll Collection System (TCS) (hardware and software)	$70 Million (approximate cost)	April 2020 → Scheduled to be presented to OTIC Commission
4 new toll plazas with ORT gantries, 20 existing toll plazas modify/rehab	$126 Million (approximate cost)	February 2020 → work session scheduled
Total estimated costs	$203.07 Million	

* The project costs identified above are an estimate and not a guarantee. These estimates are subject to revision by the Commission and subject to change depending on certain events, including the cost of construction. The Commission does not have any plan to issue an update to these estimates.

New Tolling System - Next Steps

- January - March 2020:
  - Proposals under OTIC review for Toll Collection System (TCS)
- April 2020:
  - TP49 Construction Notice to Proceed
- May 2020:
  - Customer Service Center (CSC) Phase 1 go-live with current TCS
- December 2022:
  - Toll Collection System (TCS) go-live
  - Customer Service Center (CSC) go-live Phase 2

OTIC Toll Collection Evolution