The Changing Toll Environment
How National Interoperability and All Electronic Toll Collection Are Impacting AAMVA & DMVs

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Background

• Toll industry going through period of tremendous change & challenges
  – Advances in technology are bringing about the end of traditional toll collection methods
    • Interoperability of ETC systems
    • All Electronic Tolling (AET)
National Interoperability and All Electronic Tolling

• What are they?
• Why are we doing it?
• Why is it important to you?
National Interoperability
What Is It?

• Electronic Toll Collection (ETC) systems today are not interoperable
  – 7 protocols
  – 4 major “pockets” of interoperability
  – Only 1 is interoperable on an interstate basis
  • E-ZPass Group
CURRENT US INTEROPERABILITY
Regional Networks
E-ZPass Accepted
National Interoperability
Key Issues On The Path To Success

- MAP 21
- 7 existing protocols
- Determine core requirements
- IP issues
- Business requirements & rules
- Governance & decision making
- How to pay for it
National Interoperability
Why Are We Doing It?

• Our customers want expanded interoperability
  – Mostly between two regions
  – CVO community wants coast to coast

• It’s The Law!! MAP21 requires interoperability by July 2016
All Electronic Tolling (AET)

- We’ve come a long way from 100% cash
  - ETC brought about many advances
    - Mixed use lanes
    - Dedicated ETC lanes
    - Highway Speed Lanes

- Today cash customers represent 35% and decreasing
All Electronic Tolling (AET)

- Increase in vehicles on the facilities requires additional throughput
  - Building larger plazas many times not possible
    - Cost
    - Land not available
    - Environmental factors
All Electronic Tolling (AET)

• Safety Improvements
  – No merging, collisions
  – Smooth traffic flow

• AET allows higher throughput without need for expanded facilities
  – Cash lane 300 Vph
  – AET facility 2000 Vph

• Environmental Benefits
  – Smaller footprint, eliminates idling
All Electronic Tolling (AET)

• Reduction in operating costs
  – Manpower is one of highest cost drivers at traditional plazas.
Why Are These Toll Programs Important to AAMVA and the DMV Community?
Impacts on DMV

• Large increase expected in ETC transactions
  – Fee structure will drive this
• Larger out of region ETC transactions as interoperability is implemented
• Increased pressure to establish interstate violation reciprocity agreements

• Will lead to large increase in registration lookups & coordination between us
We Have More In Common Than You May Think

- Toll agencies and motor vehicle agencies have much more in common than ever
  - We share customers
  - We have many similar data requirements
  - We perform similar tasks
  - We work for the same people
Tolling

- Tolling is growing
  - Traditional transportation funding mechanisms unable to maintain infrastructure
  - Tremendous growth expected in managed lanes
- DOT’s are in the tolling business
  - Delaware, Massachusetts, New Hampshire, Virginia, Florida, North Carolina, South Carolina, Kentucky, Utah.................
Tolling & DMV

• Convergence in Tolling and DMV operations
  – Delaware DOT merged both entities into a single Division of the DOT
    • Created opportunities for major efficiencies

• Opened door for new cooperative relationships......win-win-win-win for all
Tolls/AAMVA/DMV Working Group

- Clear need for us to all work together
- Established Working Group in 2011
  - AAMVA Representatives
  - Toll Representatives
  - DMV Representatives
T.A.D. Working Group

• Started with four main work areas
  – Plate Types
  – Toll Violation Reciprocity Agreements
  – Registration Data for AET (non-violation events)
  – Consolidated Databases for Transaction Clearing

• Developing White Paper on tolls/dmv issues
The Future

- Toll agencies, DMV, and AAMVA will see increasing benefit to working together to implement national programs benefiting the traveling public.
- Will be seeing much more of each other!