

IBTTA  
74th ANNUAL MEETING & EXHIBITION  
September 16-20, 2006 • Hyatt Regency Dallas • Dallas Texas USA

**IBTTA**  
International Bridge, Tunnel and Turnpike Association

**SKANSKA** Infrastructure Development

## What enforcement for ORT tollroads

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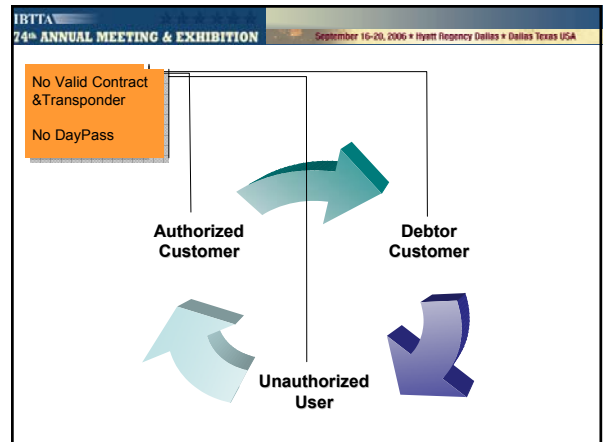
## Contents

1. Enforcement is so crucial for ORT
2. The foundation stones of the enforcement
3. Central's case study
4. Conclusion

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## Enforcement is crucial for ORT

- ❖ ORT operators authorize access through
  - Contract and use of transponders
  - DayPass
- ❖ ORT operators can not deal with unauthorized vehicles
  - At entries
  - During trips
- ❖ Legal means are required to deter
  - Unauthorized access
  - Debt
- ❖ Enforcement is required for financial viability



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The diagram shows a central orange box with the text 'The overriding deterrent effect results from public perception'. Surrounding this box are several smaller boxes representing data sources: 'Registration Equipment', 'Registration Data', 'Law', 'Play Proc Proc', and 'ata'.

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## Snapshots of A. Central / Road

- ❖ 60 km, 6 lane cross section
- ❖ 6 tunnels and 2 bridges
- ❖ 7 tollroad to tollroad connections including 3 interchanges
- ❖ Over 1,200,000 sqm green areas
- ❖ Over 19% of vehicles exceeding 4,5 tons



## Snapshots of A. Central / Tolling

- ❖ Transponders in operation: ~1.2 million
- ❖ Accountholders: ~920,000
- ❖ Transactions per day:
  - Weekday: > 850,000
  - Weekend: > 570,000
- ❖ Transponder-based:
  - Dec 2004: 89%
  - August 2006: 92%
- ❖ Average violation rate: ~ 1.2%




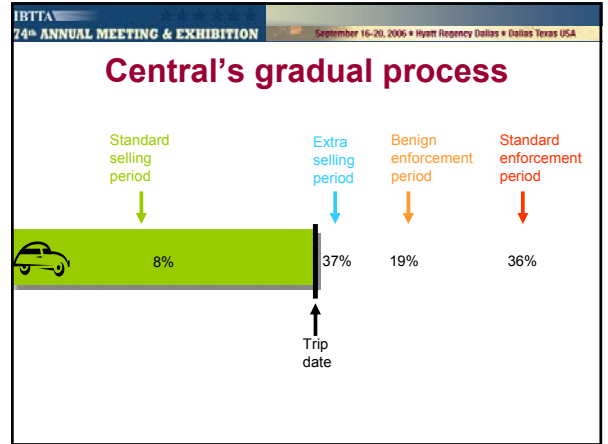


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## Central's Case study

**Evasion Evidences & Owner ID:**

- Toll equipment is the certified means for registering toll evasions
- Vehicle's owner details provided by State's Vehicle Registration DB
- Motorists have obligation to report changes to VRDB, within 30 Days. (up to US\$ 212 fine)

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## Limitations & challenges...

- Owner's Identification:
  - Details available in Vehicle Registration DB: ~ 80%
  - Useful details in Vehicle Registration DB: ~ 77%
  - No data for foreign vehicles: < 0.2%
  - Tampering with registration plate
- Enforcing "Traffic Law":
  - Municipalities have not been prepared to process ~ 55,000 toll enforcement / month
  - US\$ 2,750,000 / month are potential revenues for municipalities
  - Average processing time is ~ 6 month
  - Less than ~ 5% throughput
  - There are no incentives for the municipalities to improve productivity
- Enforcing "Roads Concession Law":
  - ~ 82% unauthorized users cases settled prior to litigation stage
  - ~ 96% debt collection cases settled prior to litigation stage

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## For what value?

- Enforcement is about risk mitigation
- Risk is market-sensitive
- Risk varies over time
- Tending toward a neutral budget

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Thank you for your attention