

Florida Department of Transportation

Who's watching the cash register?

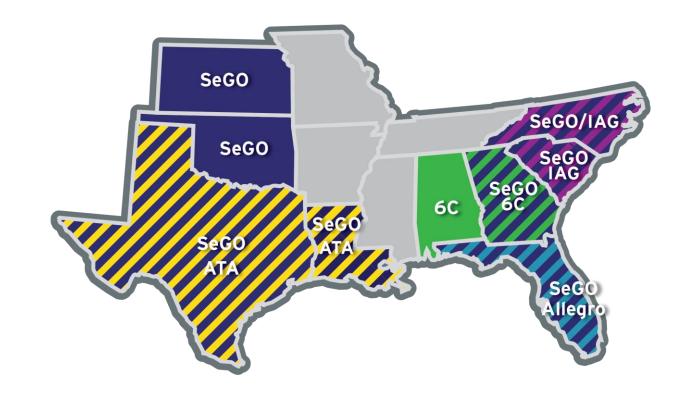
Taking Lane Monitoring and Analysis to the Next Level!

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FTE Interoperability Overview

- Tag swap
- 6C- Neology License
- Tri-protocol Reader
- Southern Interoperability



Interoperability Drives Need For Oversight

- Increasing automation for non-cash customers
- Premium on lane performance, not just availability
- Direct and indirect effects of lane performance on bottom line
- New technology = possible new issues may arise affecting performance
 - Interoperable AVI readers and transponders
 - Handling interoperable transponder and license plate lists

The Solution

SLAM = Supplemental Lane Analysis & Monitoring

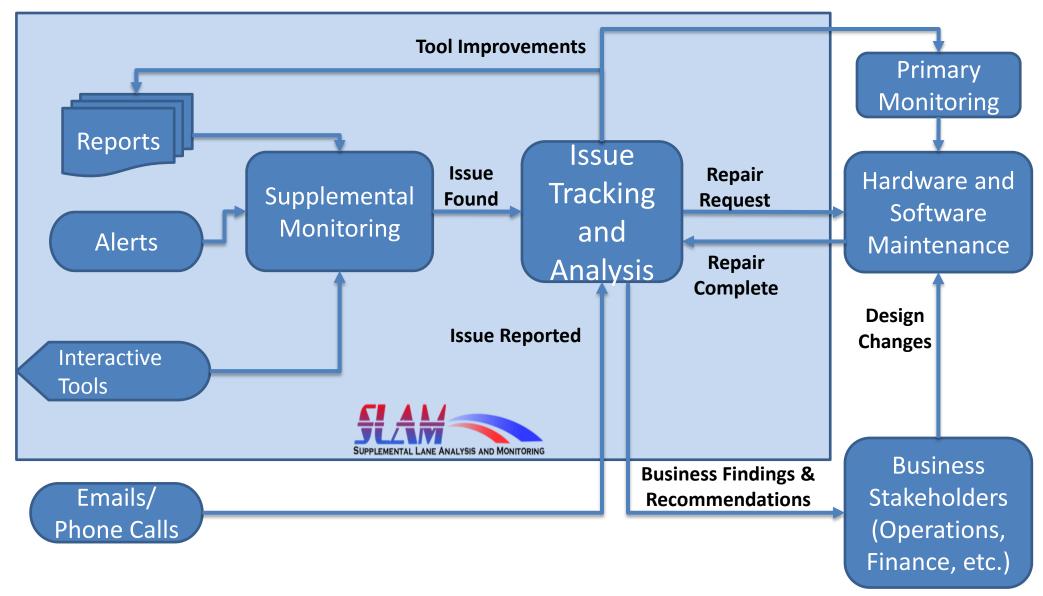
 "Customer, revenue and brand protection through consistent performance monitoring, in-depth analysis, and diligent issue resolution"



Primary Monitoring vs. SLAM

| Primary Monitoring | SLAM |
|---|---|
| 24 x 7 System Monitoring | Daily Monitoring |
| Focus on "hard" Failures | Focus on sub-optimal performance, repeating failures, business rules |
| Respond to system-generated alerts (MOMS, etc.) | Analyze daily reports and trend data to ID issues |
| Dispatch technicians | Determine root causes |
| Manage & verify repairs | Interface with other organizations to effect repairs, design improvements |

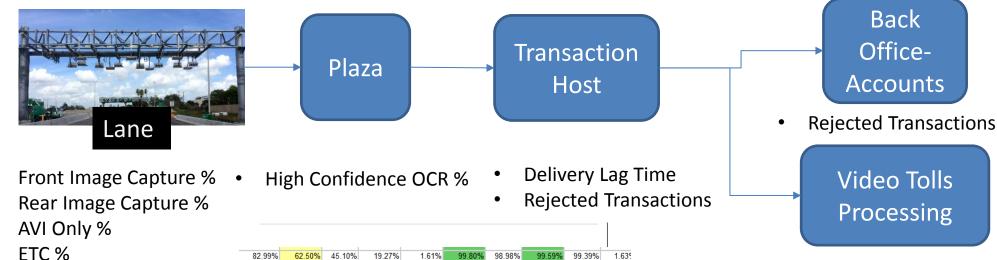
SLAM Workflow



Planning Workshop



Metrics Monitor The Whole Processing Chain



- Straddle %
- POS List Timestamp Age

AVI Write Failure %

Not on List %

44.44% 48.50% 43.06% 40.97% 43.50% 46.05% 49.62% 87.12% 48.79% 19.97% 47.47% 48.62% 51.93% 19.06% 86.69% 44.97% 1.68% 97.53% 44.30% 49.28% 2.24%

- Rejected Transactions
- Manual Image Review Reject % By Reason

SLAM Challenges

- Interoperability
- Four different toll systems different vendors
- Dedicated, Mixed Mode, AET, ORT and Express Lanes
- Issue Prioritization
- Root cause analysis can be easy, fixing it can be hard







Summary

- With National Interoperability looming, the need for closer look at performance, design and business rules becomes more critical
- SLAM fills this need by bridging the gap between real-time monitoring/repair and business stakeholders
- Not a static situation... must evolve with the technology

Questions?

