

# Tolling Back-Office Overview

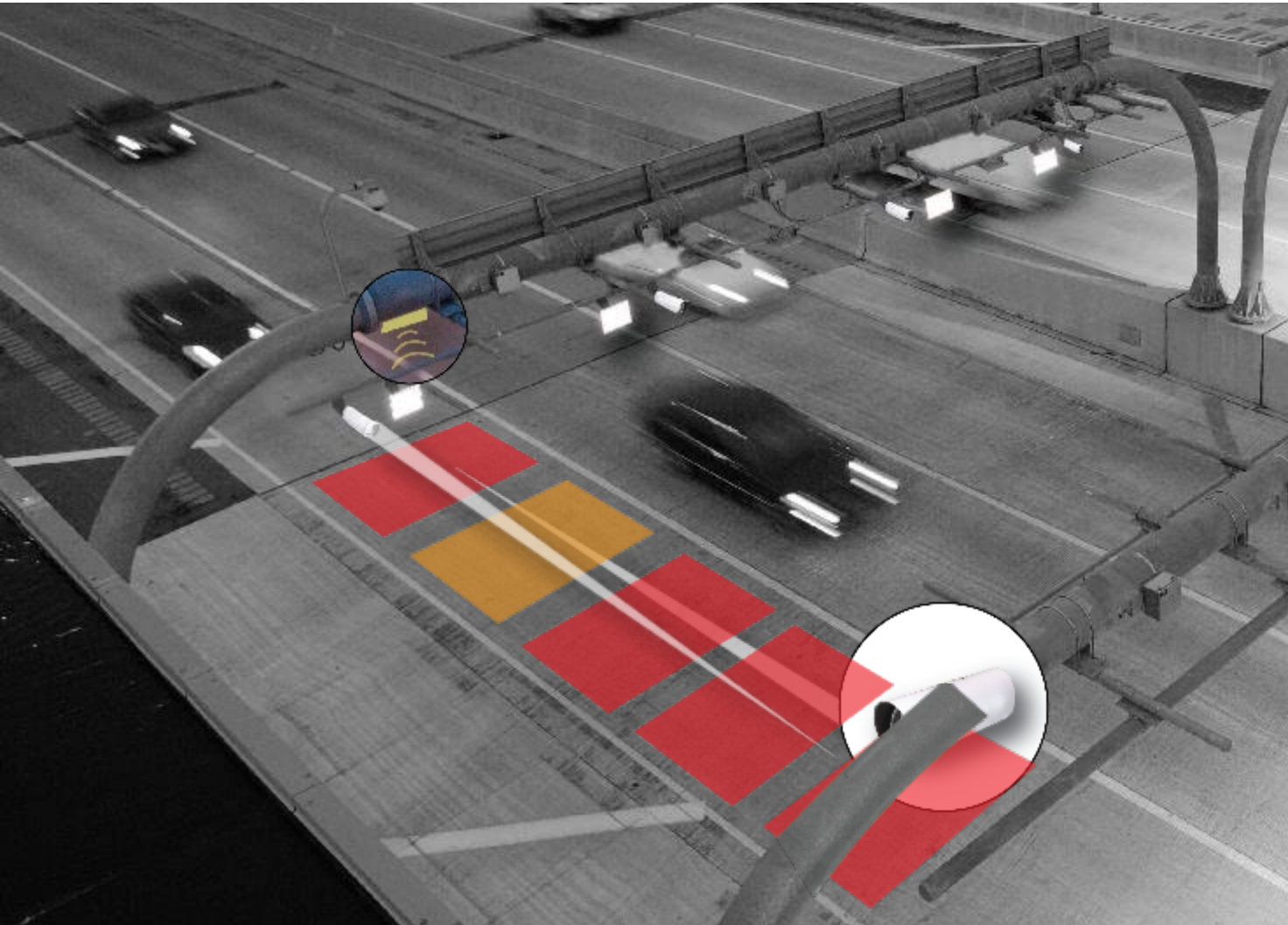


Michael Catolico, Chief of Business Systems

*March 2023*

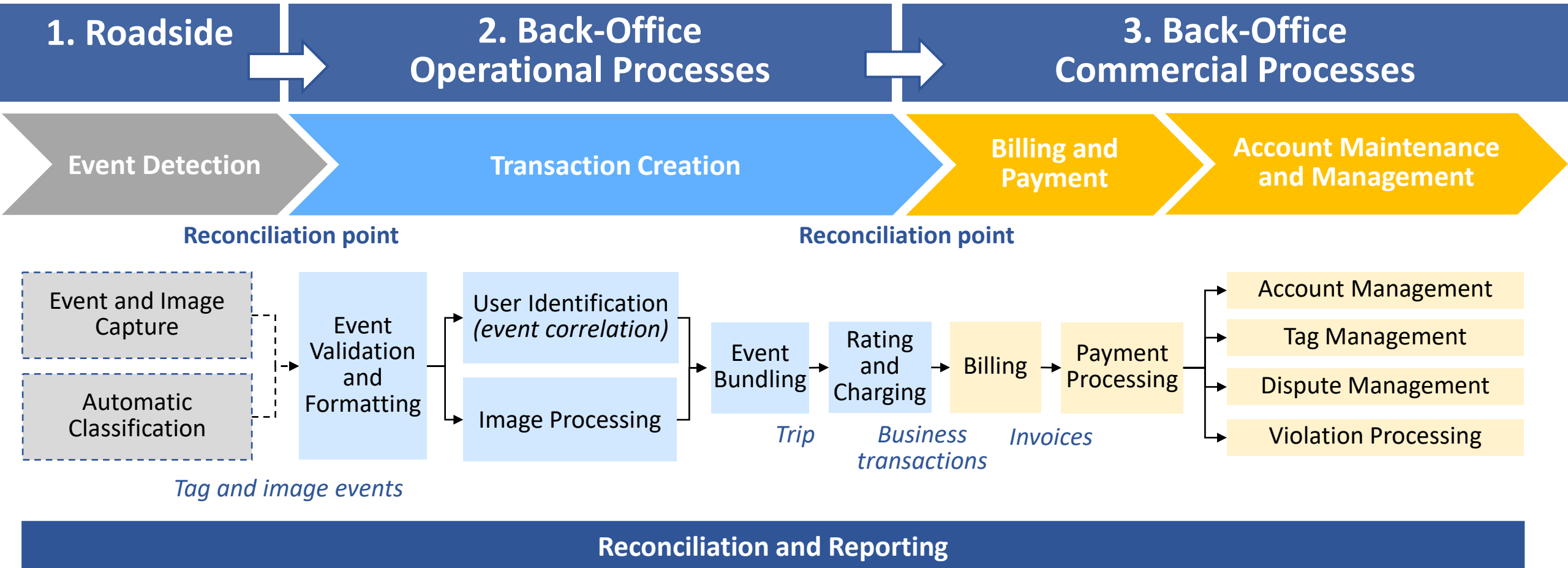
# I-PASS Lane Technology

## *Vehicle Detection and Classification*

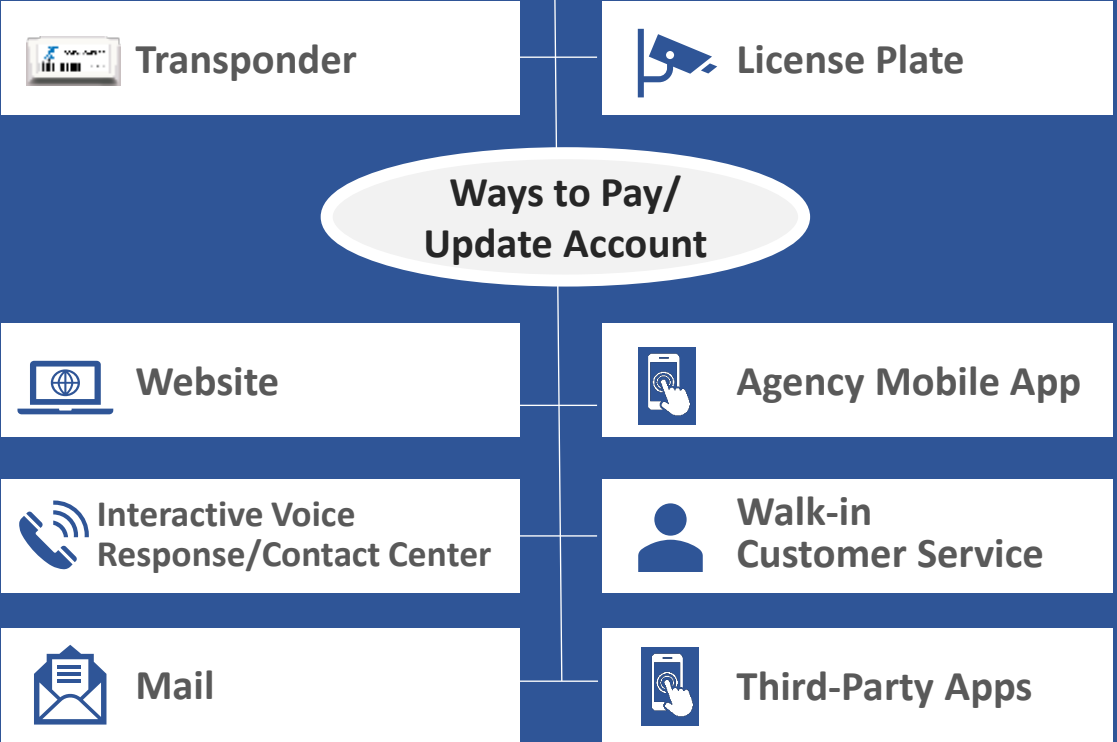
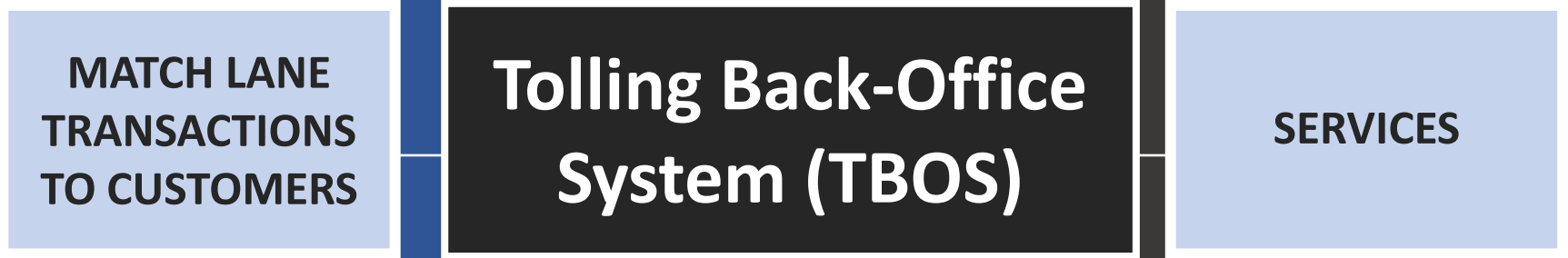


1. Vehicle detected
2. Camera captures front license plate
3. Antenna detects I-PASS transponder and transmits information to database
4. Number of axles detected
5. Tracks vehicle passage
6. Camera captures rear license plate and indicates vehicle exit
7. Data is packaged as a transaction

# Tolling Back-Office System (TBOS)



# TBOS Enables Customer Service and Enhances User Experience



# TBOS Drives Innovation



## Modernizing the Business Model

- Pay By Plate service
- Invoicing
- Amnesty
- Expanded I-PASS Assist
- Integrate new payment channels



## Aligning Operational/Technical Solutions

- Increase self service to reduce costs and staff resource needs
  - Quadrupled invoice issuance with no impact to customer service
  - Innovative customer connection: QR code, pop-up alerts and push notifications
  - Illinois Tollway Mobile App
  - Retail payments (pending) and third-party apps
- Improve decisions using data mining and analytics

**THANK YOU**

