

## REQUEST TO RELEASE Electronic Toll System Integrator Services RFP & System Manager / Program Support Services RFP





A Presentation for the  
I-580 Express Lane Policy Committee

March 12, 2018



## Current I-580 Toll System

- Toll System Integrator (TSI) procured in 2009
- Original procurement only for Toll Tag System
- Image (License Plate) Capture System added as change order in 2013
- Maintenance Support negotiated in 2017
- Estimated annual cost of manual image review
  - \$1 million/yr
    - *Commission requested analysis of cost/benefit*
    - *Staff determined not beneficial and terminated manual image review in May 2017*

## Current System Analysis

### Typical Monthly Transaction Breakdown

Toll Tag Detected		79.0%
No Toll Tag Detected	Plate Read and Trip Formed	13.3%
	Image not Human Readable (vehicle may have no plate, obscured plate, or poor quality image capture)	2.5%
	Dealer plate <sup>1</sup>	1.9%
	Human Readable Image not electronically interpreted	3.3%

<sup>1</sup> Effective January 1, 2019, all cars purchased at a dealership will be required to have temporary plate (no more dealer plates)

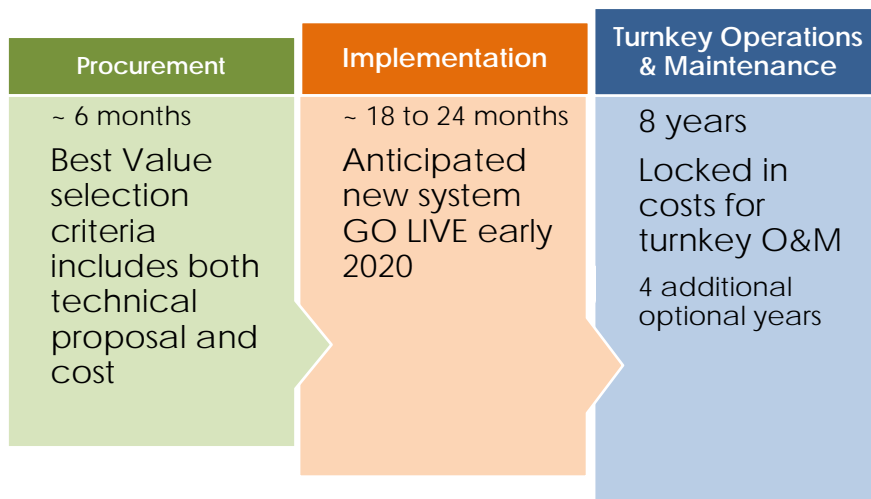
## Current System

- Requires exact license plate with high confidence to use image for tolling.
- Unable to decipher specialty plates, disabled person plates, out-of-state plates, and other non-standard plates without human intervention.
- Not anticipated to be able to read new DMV temporary plates issued starting January 1, 2019.
- **Estimated current revenue loss from these categories is \$575,000 annually.**
- Anticipated replacement required in 4 years

## New System Benefits

- Scanner technology
  - *Improves image capture accuracy; fewer missed vehicles*
- Vehicle fingerprinting
  - *Enhancement to pure license plate matching*
- Improved OCR capabilities
  - *Some systems use dual OCR or other enhancements*
- Manual Image Review
  - *Less manual review would be needed*
  - *New contract structure would incentivize automation, decreasing the overall cost of manual review*

## Proposed Next Steps



## System Manager / Program Support

- System Manager needed for oversight of Toll System Integrator during implementation
- Ongoing support desirable during operations for performance audits
- Additional optional tasks include:
  - *Technical and strategic advice for toll program*
  - *Future Express Lane implementation support*
- Streamlined contracting
  - *One SM/PS contractor for agency*
  - *Re-procurement every 5 years*

## Staff Recommendation

Approve release of:

- RFP for Electronic Toll System Integrator Services for I-580 Express Lanes and Future Express Lanes
- RFP for Express Lanes System Manager/Program Support Services
- Authorization to negotiate with top ranked firms

# Questions & Answers

