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

<table>
<thead>
<tr>
<th>Category</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toll Tag Detected</td>
<td>79.0%</td>
</tr>
<tr>
<td>No Toll Tag Detected</td>
<td></td>
</tr>
<tr>
<td>Plate Read and Trip Formed</td>
<td>13.3%</td>
</tr>
<tr>
<td>Image not Human Readable (vehicle may have no plate, obscured plate, or poor quality image capture)</td>
<td>2.5%</td>
</tr>
<tr>
<td>Dealer plate¹</td>
<td>1.9%</td>
</tr>
<tr>
<td>Human Readable Image not electronically interpreted</td>
<td>3.3%</td>
</tr>
</tbody>
</table>

¹ 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

<table>
<thead>
<tr>
<th><strong>Procurement</strong></th>
<th><strong>Implementation</strong></th>
<th><strong>Turnkey Operations &amp; Maintenance</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>~6 months</td>
<td>~18 to 24 months</td>
<td>8 years</td>
</tr>
<tr>
<td>Best Value</td>
<td>Anticipated new</td>
<td>Locked in costs for turnkey O&amp;M</td>
</tr>
<tr>
<td>selection criteria</td>
<td>system GO LIVE early 2020</td>
<td>4 additional optional years</td>
</tr>
</tbody>
</table>
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