High Occupancy Verification Technology

Public Meeting
December 2019

Natalie Bettger
Project Overview

Project Purpose:
Regional Transportation Council instructed staff to replace manual enforcement (self-declaration through Drive On TExpress app/website) with more advanced technology verification equipment.

Work Completed:
- Pilot Test on DFW Connector Corridor
  - 98.4% exact match in reported occupancy
  - 1.6% indicates an “over count”

Proposed Phases:
- Phase 1 – Managed Lanes
  - HOV Discount
  - Support for all managed lanes in DFW (LBJ, NTE, DFW Connector, IH 30, IH 35E and IH 635)
- Phase 2 and Beyond – Other Corridors, Modes, & Events
Current HOV Enforcement

Register

Pre-Declare Every Trip

Occupancy Declaration Sent to Field

Officers Watch for Red Light

Violation: Legal Process

Toll Collected

NTTA Back Office System for Billing

NTTA Back Office System for Billing
Register

Pre - Declare Every Trip

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Toll Collected

NTTA Back Office System for Billing

Proposed HOV Program
GoCarma

How it Works

Get the GoCarma App
Each person in the car has the GoCarma app on their phone.

Setup a GoCarma Pass
A small Bluetooth device that you keep in your car's glove box.

Drive in a TEXpress Lane
The app automatically verifies the number of people in the car.

Earn HOV Discounts
Each HOV transaction will result in a discount being applied by NTTA.
Continue Monitoring through Implementation Process

- Technology Pilot
- Data
- US 75 Implementation
- Rewards Program / Accounting System
- Institutional / Legislative
- TxDOT Funding
- Communications Plan

Funding

Existing Enforcement

Enforcement

Enforcement

Ramp Up to Implementation

Cooperative effort between:
• TxDOT/Transcore
• NTTA
• LBJE/NTE Mobility Partners

Back-office integration testing

Public education and outreach plan developed

Coordinated switchover schedule

Violation process

Customer service scenarios and business rules
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>December 2, 2019</td>
<td>December 2, 2019 – LBJ/NTE will begin communications with current TEXpress Users and Partner Website Updates with GoCarma; 2\textsuperscript{nd} Pre-Launch Meeting with Partners</td>
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<tr>
<td>December 6, 2019</td>
<td>STTC Update Item</td>
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<td>December 12, 2019</td>
<td>RTC Update Item</td>
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<tr>
<td><strong>December 2019</strong></td>
<td><strong>Public Meeting</strong></td>
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<tr>
<td>January 6, 2020</td>
<td>GoCarma App Release</td>
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<tr>
<td>January 9, 2020</td>
<td>RTC Reminder – Director’s Report</td>
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<tr>
<td>January 10, 2020</td>
<td>3\textsuperscript{rd} and Final Pre-Launch Meeting with Partners</td>
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<tr>
<td>January 13, 2020</td>
<td>NCTCOG Press Release</td>
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<tr>
<td>January 24, 2020</td>
<td>STTC Fast Fact</td>
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<tr>
<td>January 24, 2020</td>
<td>Go Live (focus on existing TEXpress users)</td>
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<tr>
<td>February 13, 2020</td>
<td>RTC Update Item</td>
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<tr>
<td>February 28, 2020</td>
<td>STTC Update Item</td>
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<tr>
<td>April 2020</td>
<td>Paid Outreach and Education (new recruitment)</td>
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Contacts

Natalie Bettger
Senior Program Manager
nbettger@nctcog.org
817-695-9280

Dan Lamers
Senior Program Manager
dlammers@nctcog.org
817-695-9263