



TxDOT ConnectSmart

H-GAC's Pedestrian-Bicyclist Subcommittee Meeting

April 16, 2020

Agenda

- Overview
- Schedule
- Capabilities

Overview



TxDOT's Houston ConnectSmart

an integrated platform providing solutions for managing congestion by bridging



"Making Houston Less Congested and More Connected"

Overview - Trip Planning & Traveler Behavior Analytics



Overview

- Platform and mobile app service area:
 - Houston metropolitan region, 8 counties
 - Ancillary services deployed in two pilot areas

- Schedule:



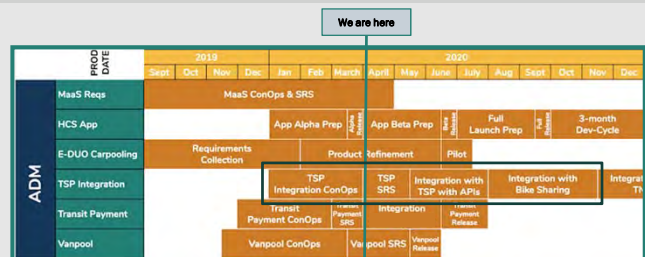
Program Schedule

- Various ADM efforts

- Transportation Service Provider (TSP) integration
 - BCycle’s local system

- Multimodal payment

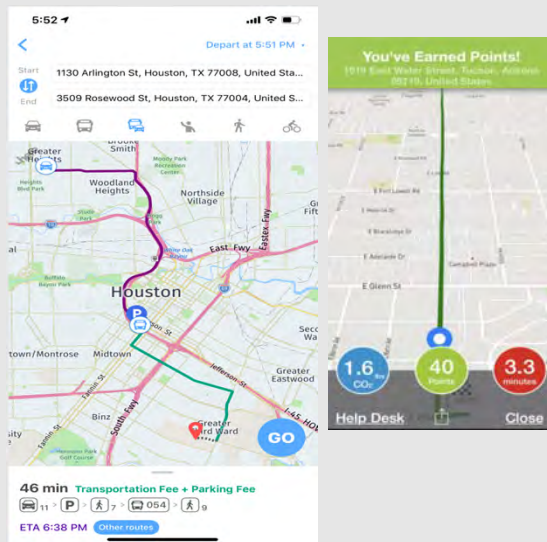
- Systems engineering process
 - Data collection
 - Interviews (partner agencies, TSPs)
 - Use case development
 - ConOps and SRS documents



- COVID-19 impacts:
 - Schedule and tasks
 - Multimodal use
 - Behavior change

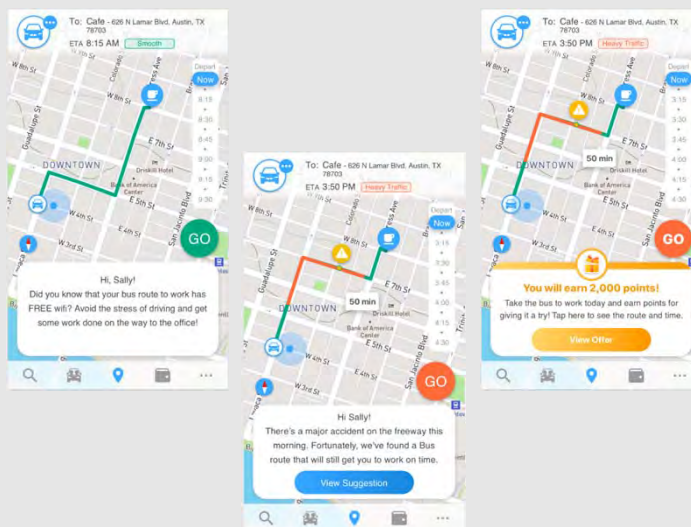
ConnectSmart Capabilities – Mobile App

- Complete trip planning
 - From origin to destination
 - Multimodal or intermodal trip planning
- Navigation capabilities
- Rewarded with incentives for congestion relieving choices
- Feedback on congestion relieving savings



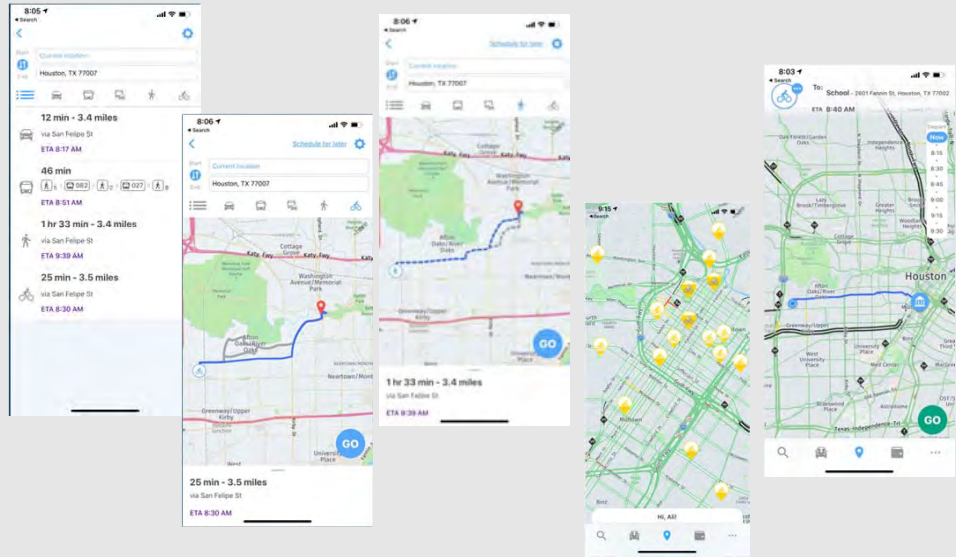
ConnectSmart Capability – Behavior Change

- Inform
- Encourage
- Reward
- Promote active modes
 - Bicycle routes and stations
 - Transit and Park & Rides



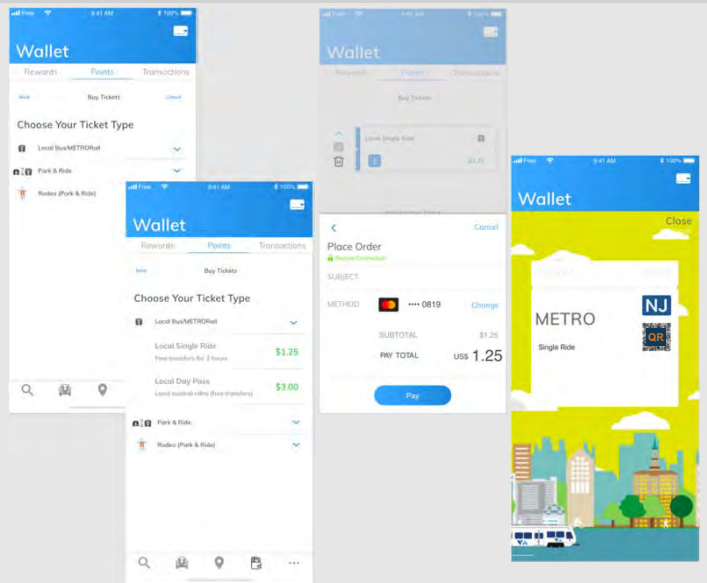
ConnectSmart Capability – Trip

- Multi/Intermodal trips
- Developing new features with partners



ConnectSmart Capability – Multimodal Payment

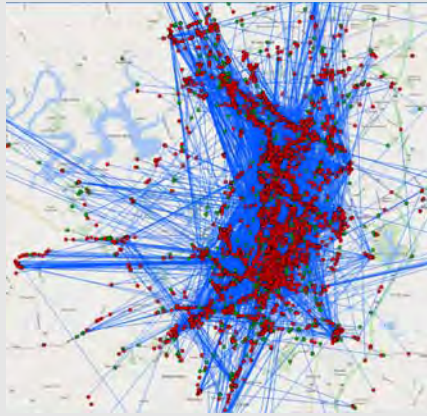
- Pay from app
- Pay for complete trip
- Pay for multiple modes of travel
- Purchase screens



ConnectSmart Capability – Other Services



- Transportation planning
 - Data sharing and analytics



TxDOT’s Houston ConnectSmart

*“Making Houston Less Congested
and More Connected”*

Thank you