AGENDA OPERATIONS COMMITTEE MEETING February 4, 2021 2:00 p.m.

Meeting location: Virtual Platform Call (872) 242-8200 Conference ID: 677 539 570#

A. CALL TO ORDER

B. PUBLIC COMMENT

Pursuant to Section 286.0114, Florida Statutes and CFX Rule 1-1.011, the Operations Committee provides for an opportunity for public comment to be submitted in advance of the meeting. Any public comments to the Committee shall be emailed to <u>OperationsComments@cfxway.com</u> and must be received 48 hours before the start of the meeting to be included as part of the record. All comments will be shared with Committee Members but only comments related to committee items being discussed will be included in the record.

C. MEMBER INTRODUCTIONS

D. REVIEW OF MEETING MINUTES (info item)

- 1. DECEMBER 4, 2017 MINUTES
- 2. SEPTEMBER 19, 2018 MINUTES

E. AGENDA ITEMS

- 1. RELOAD 2.0 Jim Greer, Chief Technology & Operating Officer (info item)
- 2. VISITOR TOLL PASS (VTP) Jim Greer, Chief Technology & Operating Officer (info item)
- 3. ASPIRE NATIONAL SCIENCE FOUNDATION ENGINEERING RESEARCH CENTER PROGRAM – Glenn Pressimone, Chief of Infrastructure (info item)
- 4. DASHBOARD DISCUSSION Laura Kelley, Executive Director (info item)
- F. OTHER BUSINESS
- G. ADJOURNMENT

(CONTINUED ON PAGE 2)

This meeting is open to the public.

Section 286.0105, Florida Statutes states that if a person decides to appeal any decision made by a board, agency, or commission with respect to any matter considered at a meeting or hearing, they will need a record of the proceedings, and that, for such purpose, they may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

Persons who require translation services, which are provided at no cost, should contact CFX at (407) 690-5000 x5316 or by email at <u>tranetta.Dennis@cfxway.com</u> at least three (3) business days prior to the event.

In accordance with the Americans with Disabilities Act (ADA), if any person with a disability as defined by the ADA needs special accommodations to participate in this proceeding, then they should contact the Central Florida Expressway Authority at (407) 690-5000 no later than two (2) business days prior to the proceeding.

D.1

Review of Minutes

December 4, 2017

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

DRAFT MINUTES

CENTRAL FLORIDA EXPRESSWAY AUTHORITY OPERATIONS COMMITTEE MEETING December 4, 2017 Location: CFX Board Room

Committee Members Present:

Fred Schneider, Lake County Representative, Chairman Steve Fussell, Seminole County Representative Francis Flynn, City of Orlando Representative Mark Massaro, Orange County Representative Tawny Olore, Osceola County Representative

<u>Committee Members Not Present</u>: Mark Meyer, Citizen Representative

Also Present:

Ruth Valentin, Recording Secretary/Administrative Coordinator Laura Kelley, Executive Director Linda Lanosa, Deputy General Counsel Michelle Maikisch, Chief of Staff/Public Affairs Officer Corey Quinn, Chief of Technology/Operations Joann Chizlett, Director of Special Projects Bryan Homayouni, Manager of Traffic Operations David Wynne, Director of Toll Operations

1. CALL TO ORDER

The meeting was called to order at 10:33 a.m. by Chairman Fred Schneider.

2. PUBLIC COMMENT

There was no public comment.

3. APPROVAL OF MINUTES

A motion was made by Mr. Fussell and seconded by Mr. Flynn to approve the February 27, 2017 and October 16, 2017 Operations Committee minutes as presented. The motion carried unanimously with five members present and voting AYE by voice vote, Mr. Meyer was not present.

MINUTES CENTRAL FLORIDA EXPRESSWAY AUTHORITY OPERATIONS COMMITTEE MEETING December 4, 2017

4. RENTAL CAR INITIATIVES UPDATE

Laura Kelley provided an update on Rental Car Initiatives. Ms. Kelley has informed the committee that a pilot program will be launched in the summer of 2018. This will allow rental car customers to borrow an E-PASS from CFX to pay tolls directly at the same rate as a customer would.

5. TOLL OPERATIONS CUSTOMER SERVICE

David Wynne presented the Toll Operations Customer Service presentation to the committee.

(This item was presented for information only. No formal committee action was taken.)

6. WRONG WAY DRIVING UPDATE

Bryan Homayouni presented a Wrong Way Driving Update to the committee.

(This item was presented for information only. No formal committee action was taken.)

7. DASHBOARD DISCUSSION

Michelle Maikisch discussed the dashboard to the committee. The committee requested to receive the dashboard monthly.

(This item was presented for information only. No formal committee action was taken.)

8. OTHER BUSINESS

There was no other business to come before the Operations Committee.

9. ADJOURNMENT

The meeting adjourned at 11:41 a.m.

Minutes approved on _____, 2018.

Pursuant to the Florida Public Records Law and CFX Records Management Policy, audio tapes of all Board and applicable Committee meetings are maintained and available upon request to the Records Management Liaison Officer at <u>publicrecords@CFXway.com</u> or 4974 ORL Tower Road, Orlando, FL 32807.

D.2

Review of Minutes

September 19, 2018

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

DRAFT MINUTES CENTRAL FLORIDA EXPRESSWAY AUTHORITY OPERATIONS COMMITTEE MEETING September 19, 2018

Location: Central Florida Expressway Authority Boardroom 4974 ORL Tower Road Orlando, FL 32807

Committee Members Present:

Tawny Olore, Osceola County Representative, Chairman Steve Fussell, Seminole County Representative Francis Flynn, City of Orlando Representative

<u>Committee Members Not Present</u>: Mark Meyer, Citizen Representative Mark Massaro, Orange County Representative Fred Schneider, Lake County Representative Brevard County: Not appointed

Also Present:

Ruth Valentin, Recording Secretary/Administrative Coordinator Laura Kelley, Executive Director Linda Lanosa, Deputy General Counsel Michelle Maikisch, Chief of Staff/Public Affairs Officer Corey Quinn, Chief of Technology/Operations David Wynne, Director of Toll Operations Christie Seabury, Manager of Business Relations Brian Hutchings, Sr. Communications Specialist Daniel Macaluso, Channel 13 News

A. CALL TO ORDER

The meeting was called to order at approximately 1:06 p.m. by Chairman Tawny Olore.

B. PUBLIC COMMENT

There was no public comment.

C. APPROVAL OF MINUTES

Chairman Tawny Olore informed the committee that there was not a quorum present and item number three, approval of the December 4, 2017 minutes will be removed as an agenda item. This item will be added to the next Operations Committee meeting.

D. SUNPASS CENTRAL UPDATE

Laura Kelley, Executive Director, presented the SunPass Central Update.

(This item was presented for information only. No formal committee action was taken.)

E. VISITOR TOLL PASS

David Wynne, Director of Toll Operations, presented the Visitor Toll Pass presentation to the committee.

(This item was presented for information only. No formal committee action was taken.)

F. <u>E-ZPASS</u>

Christie Seabury, Manager of Business Relations, presented E-Zpass update to the committee.

(This item was presented for information only. No formal committee action was taken.)

G. DASHBOARD DISCUSSION

Ms. Kelley discussed the dashboard to the committee.

(This item was presented for information only. No formal committee action was taken.)

H. OTHER BUSINESS

There was no other business to come before the Operations Committee.

I. ADJOURNMENT

MINUTES CENTRAL FLORIDA EXPRESSWAY AUTHORITY OPERATIONS COMMITTEE MEETING September 19, 2018

The meeting adjourned at 1:41 p.m.

Minutes approved on _____, 2018.

Pursuant to the Florida Public Records Law and the CFX Records & Information Management Program Policy, audio tapes of all Board and applicable Committee meetings are maintained and available upon request to the Custodian of Public Records at (407) 690-5326, <u>PublicRecords@CFXway.com</u>, or 4974 ORL Tower Road, Orlando, FL 32807.

E.1 Reload 2.0



Reload 2.0

Jim Greer, Chief Technology & Operating Officer

— February 4, 2021 —

Overview

Reload is a drive-thru service where motorists can get a FREE E-PASS Sticker or add funds (Reload) to their E-PASS account using cash or credit/debit card.



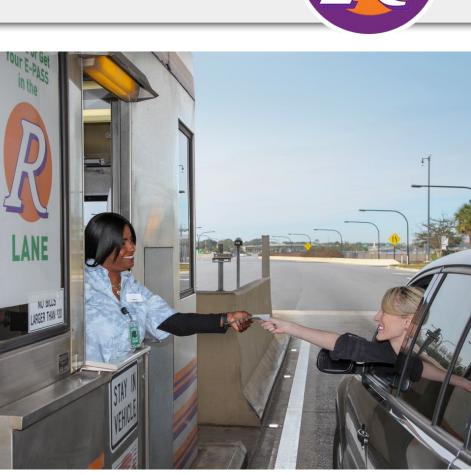




Reload Current State

- Launched May 12, 2016
- Operating Hours Seven Days a Week
 6:00 am 8:00 pm
- 6 Lanes Conway, Forest Lake, John Young Parkway Mainline
- Services
 - Pay Tolls with Cash
 - Open a New E-PASS Account
 - Add Funds to an E-PASS Account









Key Metrics









\$73,221.44

\$970.00

\$871.00

2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020

0.997.19

045.00

Jan

\$590.00

Feb

\$400.00

\$50.00

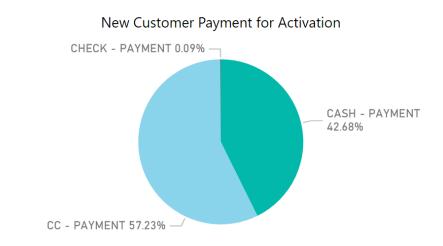
690.83

\$69,576.56

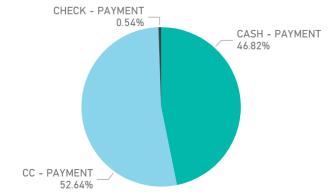
E-PASS RELOAD SUMMARY

Reload was launched 5/12/2016

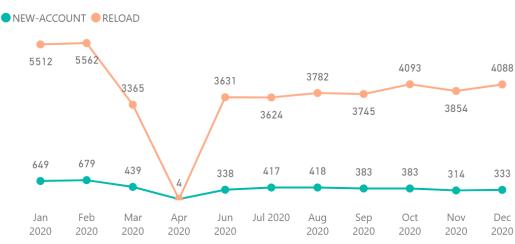
Last Data Refresh Date 1/21/2021 9:40:05 AM



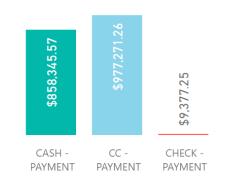
Current Customer Payments to Reload Account



E-Pass Sales & Reload Use by Month



Total Amounts by Payment Type



Monthly Amounts by Payment Type **Transaction Type** \$86,997.53 CASH - PAYMENT \$85,727.27 \$82,699.02 \$79,432.62 \$76,826.07 \$79,177.04

\$1,324.63

\$810.00

\$1,576.63

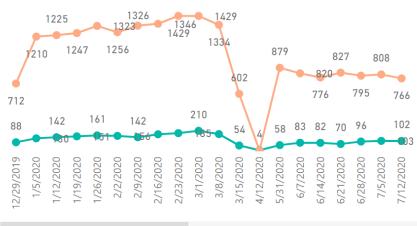
\$635.00

CC - PAYMENT CHECK - PAYMENT

E-Pass Sales & Reload Use by Week

\$1,155.00

Mar Apr Jun Jul Aug Sep Oct Nov Dec



Disclaimer: The information on this report is intended for informational purposes only. While every effort is made to maintain accurate information, the data are unaudited.

*Reload lanes shut down from 9/5/17 @ 5:00 pm thru 9/20/17.

Date Range

12/31/2020

1/1/2020

Reload 2.0

Every staffed lane is a **full service "Reload Lane"**

- Quick Account Sign-up
- MS Dynamics & Azure
- 46 Total Attended Lanes
- Operating Hours: 24/7





CENTRAI

Who will this Serve

R

Cash Lane Transactions

- 32,902,818 (2016)
- 29,284,708 (2017)
- 27,073,406 (2018)
- 24,364,428 (2019)
- 12,336,682 (2020)



Benefits: Lowest rates and volume discounts



Project Details

R

- Sub-Component of Operations Software work-plan project
- Proposed Timeline

Soft-Launch: Q2 2021

- 2-4 Prototype Lanes
- Feedback on Software
- Measure effect on lane through-put
- Refine Operational Processes

Full Launch: Q4 2021

- All Lanes 'Live'
- Marketing Campaign





E.2 Visitor Toll Pass (VTP)



VISITOR TOLL PASS 2.0

Jim Greer, Chief Technology & Operating Officer

— February 4, 2021 —

Overview



The **Visitor Toll Pass**[™] is a *new*

automated toll payment solution for visitors to Central Florida renting a car from the Orlando International Airport (OIA).



CENTRAL FLORIDA EXPRESSWAY AUTHORITY

Customer Benefits



Offers visitors a chance to travel like a local while saving



- No third party provider fees
- Customers receive E-PASS rate
- Save as much as 80% compared to current rental car toll programs
- No registration fees



- No stopping to pay cash
- Use Visitor Toll Pass [™] in express lanes for nonstop travel
- Customers receive timely invoice
- Electronic sign up & communication

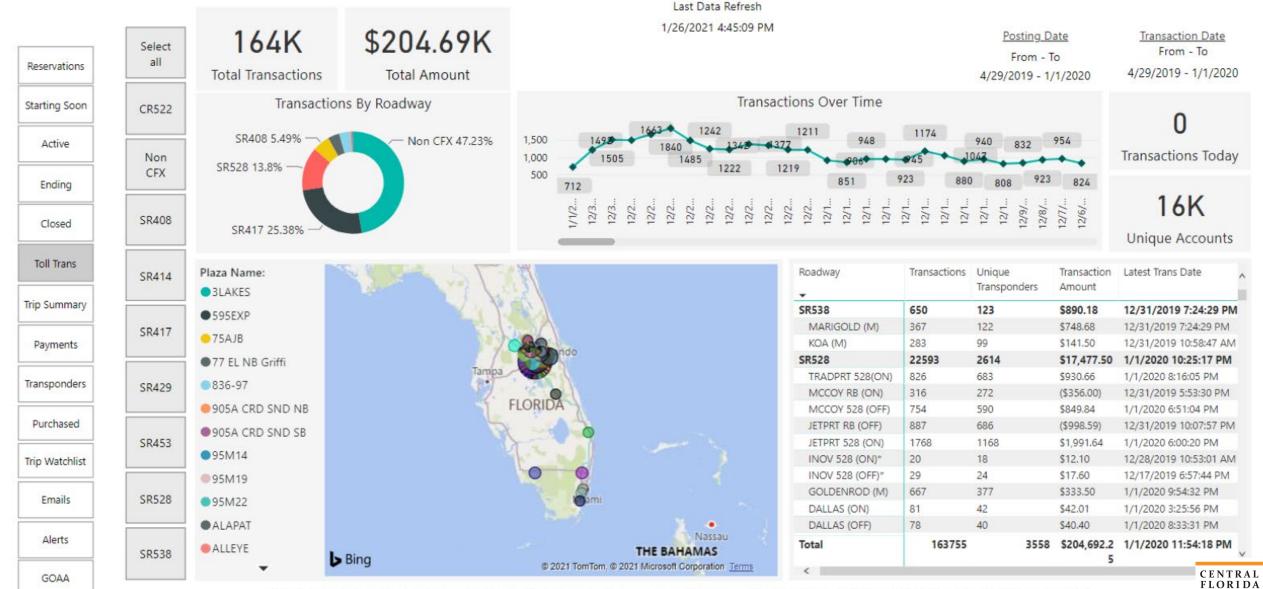




Visitor Toll Pass Toll Transaction Summary

Show Filters

EXPRESSWAY AUTHORITY



Disclaimer: The information on this report is intended for informational purposes only. While every effort is made to maintain accurate information, the data are unaudited.

VTP 2.0 Concept



Goals:

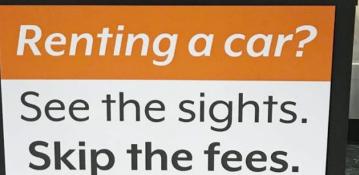
- Fully Automate
- Allow Scalability
- Increase User Convenience

Method:

- Vending Machines
- Mobile App





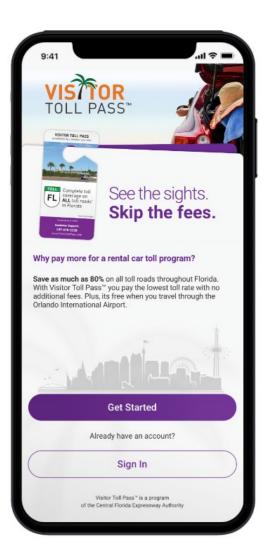


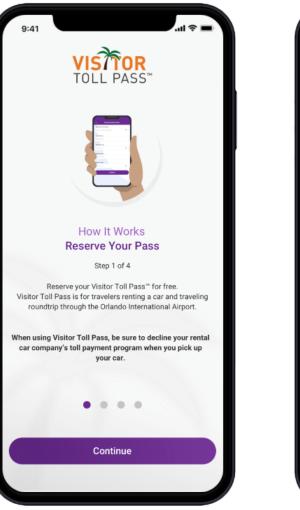
Ask me about

How it Works

- **STEP 1:** Reserve Visitor Toll Pass[™] via iPhone or Android phone application
- **STEP 2:** Pick-Up Visitor Toll Pass[™] at Orlando International Airport by visiting the VTP vending machine and scanning a unique QR code
- **STEP 3:** Hang the Visitor Toll Pass[™] from rearview mirror
- STEP 4: Explore & Enjoy!
- STEP 5: Return Visitor Toll Pass[™] at an Orlando International Airport drop box or by mail
- STEP 6: Tolls will be charged to reserved credit card











Mobile App













*and most bridges

Mon - Fri from 8 a.m. to 6 p.m. www.CFXway.com





CENTRAL FLORIDA EXPRESSWAY AUTHORITY





Return Drop Box





COMING SOON!





E.3

ASPIRE

National Science Foundation Engineering Research Center Program



ASPIRE Overview Glenn Pressimone, Chief of Infrastructure — February 4, 2021 —



NSF Engineering Research Center

Advancing Sustainability through Powered Infrastructure for Roadway Electrification

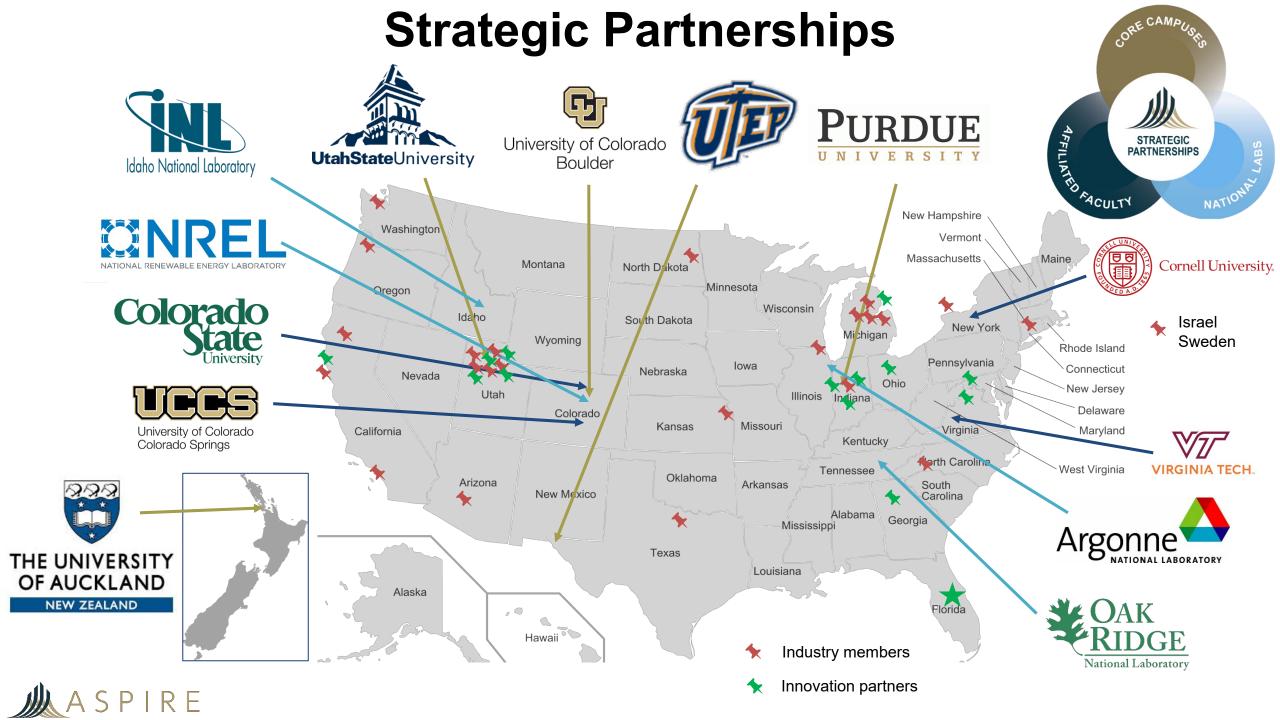


Rethink Industries and Boundaries

High Utilization Public & Shared Infrastructure

Nation is at a Crossroads

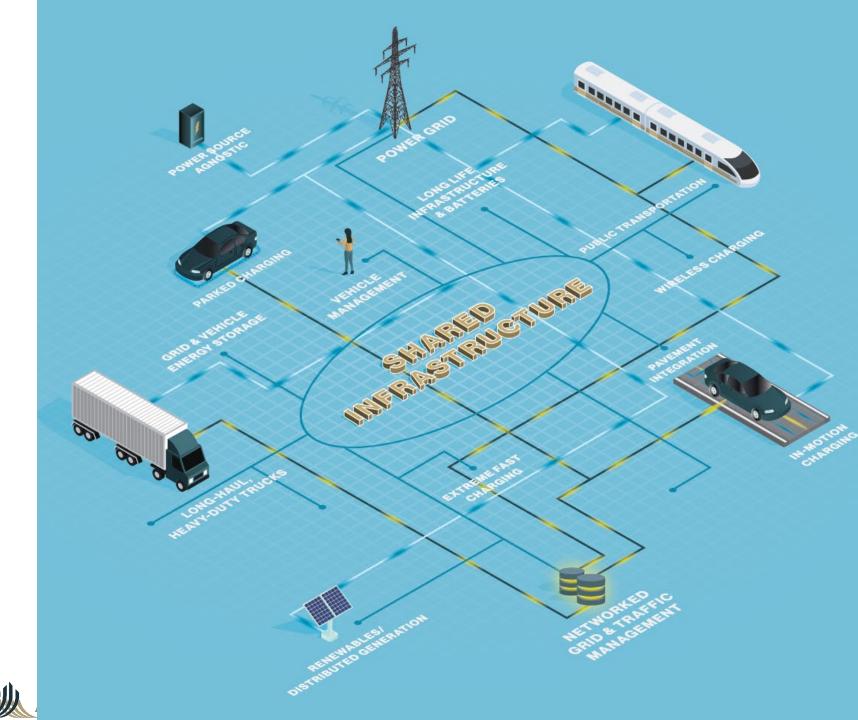
ASPIRE



IIB Members







CHARGING

- Grid Integration
- Roadway Charging
- Parked Charging

NETWORKING

- Grid Management
- Traffic Management
- Vehicle Management

USERS & VEHICLE CLASSES

- Personal Vehicles to Commercial Fleets
- Passenger Cars to Heavy-duty Trucks
- Public/Private, Shared, Autonomous

Technology Solutions

Power Where the Rubber Meets the Road

Powered Infrastructure & Roadway Electrification

Wireless & Wired, In-motion & Parked Charging

> Retrofit or Standard Receiving Modules on Battery Electric or Hybrid Cal



A S P I R E

Favorable Impacts

Grid



Vehicle



Connected Flexible Predictable Managed

SPIRE

Smaller Battery Longer Life Light to Heavy Duty Parked, Urban, Highway User



Reduced Cost Seamless Experience

Personal, Shared, Fleet, Autonomous

Equitable

Environment



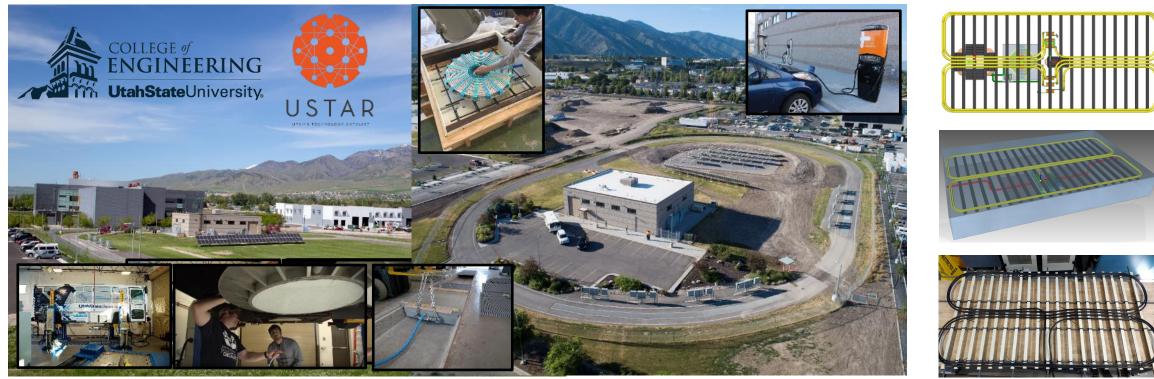
Improved Health

Localized and Lifecycle Emissions

Reduced Battery Impact

ASPIRE Team Confidential

Electric Vehicle & Roadway (EVR) Facility

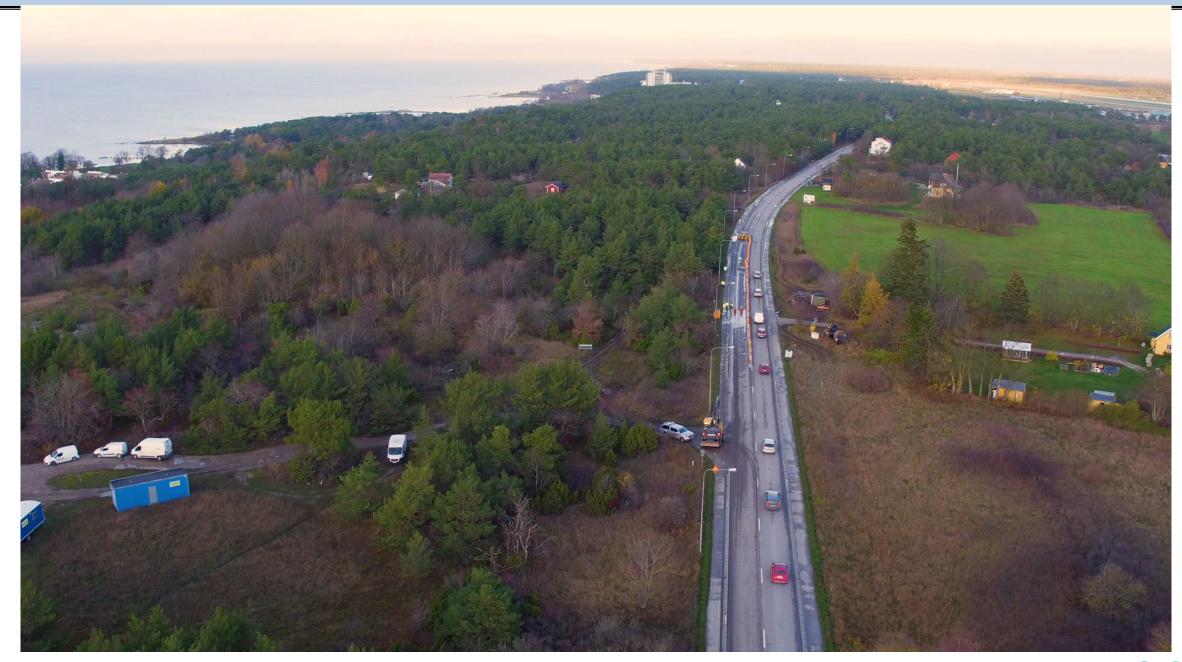


- Electric Vehicle & Roadway (EVR) Research Facility and Test Track
 - 750 kW utility, 4800 ft² dual high bay, ¼ mile electrified track, Dynamometer, Vehicle Lifts, L2/DCFC EVSE, DC & AC micro-grid, 128 kW solar array, 120 kWh on-site energy storage
 - Multiple concrete embedded, in-road power transfer coils in high bay building and test track
 - Coordination with and integration across SELECT Center partner labs

MASPIRE

Smart Powered Roads Concept for Pilot







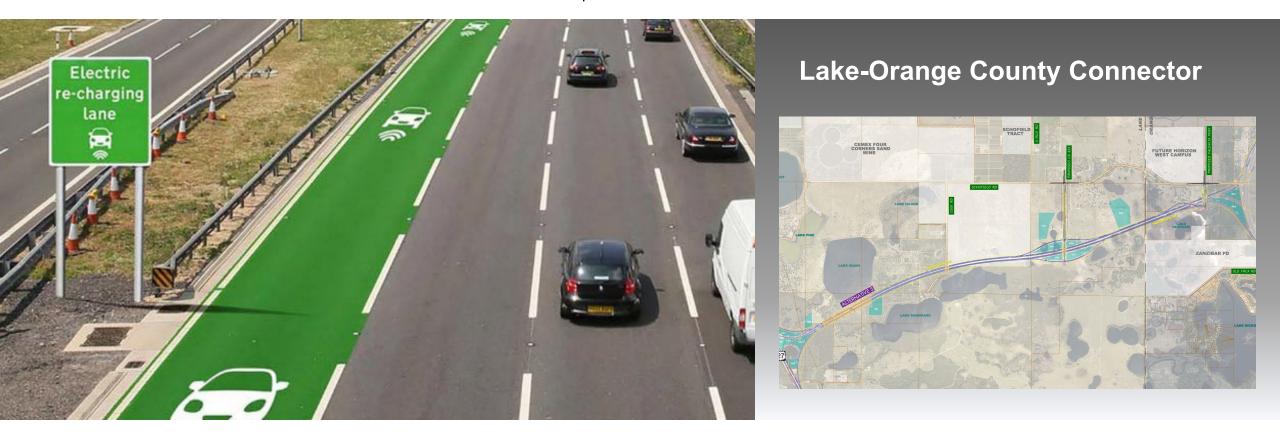


Innovation Partnerships

Advancing Sustainability through Powered Infrastructure for Roadway Electrification



NSF Engineering Research Center





E.4

Dashboard Discussion

