2nd UIC Workshop on Beneficial Electrification of Transportation focuses on Transportation Electrification Infrastructure: Technology, Installation & Ownership

❑ IDOT Alternative Fuel Corridor Designation 2016-2018

❑ Midwest Regional Collaboration

❑ Up Next at IDOT
IDOT Alternative Fuel Corridor Designation 2016

- 2016 the FHWA sought to create a national network of alternative fueling and charging infrastructure along National Highway System
- Signage Ready - there are a sufficient number of facilities on the corridor to warrant signage that alerts drivers of the availability of alternative fueling stations
- Signage Pending - corridors that do not have sufficient alternative fuel facilities to warrant highway signage

<table>
<thead>
<tr>
<th>Fuel/Technology</th>
<th>Signage Ready(^b) NHS Segment has...</th>
<th>Signage Pending(^c) NHS Segment has...</th>
</tr>
</thead>
<tbody>
<tr>
<td>EV Charging(^d)</td>
<td>Public DC Fast Charging no greater than 50 miles between one station and the next on corridor</td>
<td>Public DC Fast Charging chargers separated by more than 50 miles</td>
</tr>
<tr>
<td>Hydrogen(^e)</td>
<td>Public hydrogen stations no greater than 100 miles between one station and the next on the corridor</td>
<td>Public hydrogen stations separated by more than 100 miles</td>
</tr>
<tr>
<td>Propane(^f)</td>
<td>Public, primary propane stations no greater than 150 miles between one station and the next on the corridor</td>
<td>Public, primary propane stations separated by more than 150 miles</td>
</tr>
<tr>
<td>CNG</td>
<td>Public fast fill, 3,600 psi CNG stations no greater than 150 miles between one station and the next on the corridor</td>
<td>Public, fast fill, 3,600 psi CNG stations separated by more than 150 miles</td>
</tr>
<tr>
<td>LNG</td>
<td>Public LNG stations no greater than 200 miles between one station and the next on the corridor</td>
<td>Public LNG stations separated by more than 200 miles</td>
</tr>
</tbody>
</table>
IDOT Alternative Fuel Corridor Designation 2016

- Electric Vehicle Signage Ready
  - I-39 From Rockford IL to Sun Prairie WI
  - I-55 From Chicago IL to Bloomington IL
  - I-74 From IL/IA border to IL/IN border
  - I-80 From IL/IN border to Joliet IL
  - I-90 From IL/IN border to Sun Prairie WI; and, from La Crosse WI to Sparta WI.
  - I-94 From Sun Prairie WI to IL/IN border

- Electric Vehicle Signage Pending
  - I-39: From Normal IL to Rockford IL
  - I-55: From Bloomington IL to St. Louis.
  - I-80: From Joliet IL to IL/IA border.
IDOT Alternative Fuel Corridor Designation 2016

- Multi-State Collaborations
  - I-94 MN, MI, IN, IL, and WI

- I-80 IL, IA, IN, NY, NJ, OH, and PA
IDOT Alternative Fuel Corridor Designation 2018

- I-70 IL, MD, PA, WV, OH, IN, MO, and KS
Midwest Regional Collaboration

- July 17-18th 2019 IEPA and IDOT were invited to the first ever Central Region EV Corridor Collaboration In-Person Meeting

- Built out of vision Tim Sexton from Minnesota DOT had for a Midwest Regional Collaboration during the nomination process for I-94

- The collaboration would focus on pooling resources and best practices to promote the use of EV’s

- Use shared resources to entice industry to invest on regional significant routes with EV infrastructure

- The collaboration meeting was guided by the Great Plains Institute which will be a strategic partner in the future activity of the collaboration
Established collaborations on the east and west coasts show the need for a Midwest collaboration

Northeast States for Coordinated Air Use Management (NESCAUM) formed the Multi-State ZEV Task Force

The National Association of State Energy Officials helped formed REV West
July 3rd 2019 FHWA put out a Solicitation for Alternative Fuels Corridor Deployment Plans

IDOT worked with the original 6 states from the I-80 multi-state designation to prepare an application for this solicitation

The states partnered with Argonne National Laboratory, the Clean Cities Coalition, and a private partner—Trillium a member of the Love’s Family of Companies

The goal of the research will be to prepare findings on best locations for both EV and CNG infrastructure to upgrade all portions of I-80 in these states from signage pending to signage ready
Thank you

Contact info:
Christopher Schmidt
Christopher.schmidt@Illinois.gov
217-782-4134