

# MPO E-Scooter Operations and ADA Committee Update

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**ELECTRIC SCOOTERS**



**ELECTRIC SCOOTERS  
EVERYWHERE**

# Committee Formation History

- March 2019- FHWA meeting about E-Scooters and ADA
  - Included Industry, government, and advocacy attendees
- September 2019- MPO conference
  - Idea for a committee proposed
- March 2020- First quarterly meeting

# Who Is on the Committee?

- MPOs
- INDOT
- FHWA
- Transit Providers
- Non-Profit/Community Organizations (Example: Health by Design)

# Mission Statement

- *Our mission is to assist stakeholders in the state of Indiana in developing equitable policies for micro-mobility devices that ensure the rights of people with disabilities are respected, so that users of all abilities can safely rely on the transportation system. This mission will be accomplished through outreach, education, and inter-organizational coordination, while improving the accuracy and availability of data for studying the use and impacts of micro-mobility devices.*

# What the Committee Is Working on

- “Ideas Table” for resolving ADA issues
- Micro-Mobility Ordinance Development Checklist
- Data Collection/Standardization

# Ideas Table Structure

<b>IDEA</b>	<b>IMPLEMENTATION (Easy, Medium, Hard)</b>	<b>COST of IMPLEMENTATION (Low, Medium, High)</b>	<b>TIMEFRAME (Short, Medium, Long)</b>	<b>WHO IMPLEMENTS (Local Govt., Industry, Advocacy, Partnership)</b>
<b>How to resolve an issue</b>	Ranks Ease of Implementation in 3 categories	Ranks Cost of Implementation in 3 categories	Ranks Timeline for Implementation in 3 categories	Can be multiple groups

# Excerpts From Ideas Table

IDEA	IMPLEMENTATION (Easy, Medium, Hard)	COST of IMPLEMENTATION (Low, Medium, High)	TIMEFRAME (Short, Medium, Long)	WHO IMPLEMENTS (Local Govt., Industry, Advocacy, Partnership)
<b>Draft a message for mayors and government officials to deliver regularly and consistently. The message should convey/encourage awareness of people with mobility challenges and how something as simple as parking an e-scooter “properly” can overcome a potential conflict.</b>	<b>EASY</b>	<b>LOW</b>	<b>SHORT</b>	<b>GOVERNMENT</b>



# Excerpts From Ideas Table

IDEA	IMPLEMENTATION (Easy, Medium, Hard)	COST of IMPLEMENTATION (Low, Medium, High)	TIMEFRAME (Short, Medium, Long)	WHO IMPLEMENTS (Local Govt., Industry, Advocacy, Partnership)
<b>Certification on ADA requirements and regulations for E-scooter company employees. No un-certified individuals may work for an E-scooter company.</b>	<b>MEDIUM</b>	<b>LOW</b>	<b>SHORT</b>	<b>INDUSTRY</b>

# Excerpts From Ideas Table

IDEA	IMPLEMENTATION (Easy, Medium, Hard)	COST of IMPLEMENTATION (Low, Medium, High)	TIMEFRAME (Short, Medium, Long)	WHO IMPLEMENTS (Local Govt., Industry, Advocacy, Partnership)
Have disability or livability advocacy groups (INSILC, HBD, AARP...) develop a grading/rating/endorsement program that vendors can earn based on how companies employ efforts to minimize conflicts between E-scooters and people with disabilities.	HARD	HIGH	LONG	ADVOCACY

# Excerpts From Ideas Table

IDEA	IMPLEMENTATION (Easy, Medium, Hard)	COST of IMPLEMENTATION (Low, Medium, High)	TIMEFRAME (Short, Medium, Long)	WHO IMPLEMENTS (Local Govt., Industry, Advocacy, Partnership)
<b>Geo-fencing/Geocoding the E-scooters so they only operate within designated areas. For example, they can be ridden in a bike lane, but once driven onto a sidewalk, the E-scooter no longer moves. This would remove E-scooters from busy, narrow sidewalks</b>	MEDIUM	MEDIUM	MEDIUM	INDUSTRY GOVERNMENT (partnership)

# Ordinance Checklist

- Still a WIP
  - Work being led by Health by Design and INDOT
- Research on ordinances in Indiana, as well as best practices nationally
- May include some boilerplate language

# Ordinance Checklist

- Portion of Checklist >>>

ORDINANCE or POLICY	May include
	<ul style="list-style-type: none"><li>• Structure &amp; Scope</li><li>• Goals</li><li>• Max number of Operators/Vendors</li><li>• Max number of devices</li><li>• Allowable devices</li><li>• Areas where use is prohibited, speed limits required (geofencing)</li><li>• Terms and definitions</li><li>• Impound and storage of devices</li><li>• Data collection and tracking</li><li>• Data sharing requirements</li><li>• Compliance</li><li>• ADA: <i>“All vendor equipment, operations, and public use shall comply with the Americans with Disabilities Act. Operators are responsible for devices deployed, rebalanced, or parked illegally (e.g., obstructing curb ramps or pedestrian access to the public ROW) by their users. Parking zones placed by the City on the sidewalk or roadway will adhere to all ADA requirements and shall not inhibit unobstructed access to pedestrians along any sidewalk, curb ramp, transit stop, or entryway” Long Beach, CA</i></li><li>• Indemnification/Liability (though this may be more tied to permits?)</li><li>• Equitable service standards*</li></ul>

# Data Collection and Standardization

- Still a WIP
- How to code e-scooters in crash reports
  - Will take partnership with law enforcement
- What data do we receive from e-scooter companies?
  - How can we use the data we receive in our planning efforts?

# Sustainability and Resilience

- Studies suggest that younger generations want to walk as a means of transportation
- <https://www.commuteoptions.org/millennials-desire-and-depend-on-walking-biking-and-riding-the-bus/>

# Sustainability and Resilience

- Design that complies with ADA standards is good for everyone!
  - People will walk more when they feel safe to do so
  - We want to avoid this >>>
- How can we improve this?
  - More info on upcoming slides





# Sustainability and Resilience

- Observations
  - Picture shows very “open” feel, may lead to high speeds
  - Sidewalk wider on left (due to building setbacks)
  - Lack of green infrastructure
  - Does include ADA ramps (see top left of picture)



# Sustainability and Resilience

- Potential Improvements
  - Traffic calming measures
  - Do an on-site ADA audit (hard to see everything in a picture)
  - Add clear zone/buffer zone (great place for amenities)
  - ADD GREEN INFRASTRUCTURE

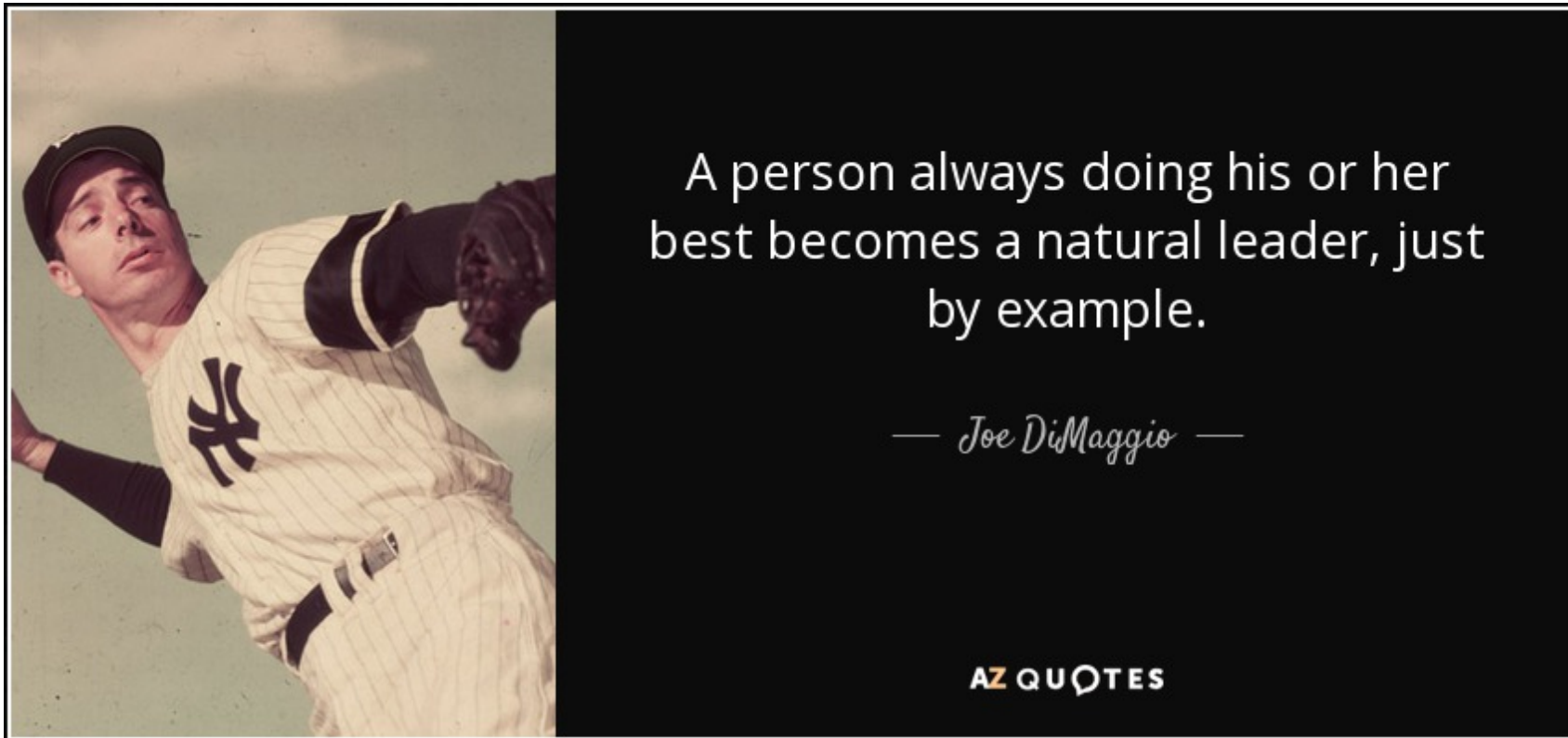


# Sustainability and Resilience

- Policies can help too!
- Emerging field, there is an opportunity to set a precedent with ordinances
  - Remember the ideas table from earlier!

# Sustainability and Resilience

- What technological advancements will be coming next?
  - How can Indiana be a leader/example in implementing new technologies that promote sustainability and resilience?



# Partner With Us!

- Send examples of best practices
- Join the committee
- Contact info:  
[tstroshine@tippecanoe.in.gov](mailto:tstroshine@tippecanoe.in.gov)

