









Episode 25 Downloadable: 6 THINGS TO KNOW ABOUT ELECTRIFIED ROADWAYS

Why Do We Want to Know about Electrified Roadways?

Electrified roadways are crucial for the future of sustainable transportation. They offer a way to charge electric vehicles while driving, reducing the need for large batteries and alleviating range anxiety. This episode explores the technology, benefits, and challenges of electrified roadways, highlighting their potential to revolutionize transportation infrastructure.

6 THINGS TO KNOW ABOUT ELECTRIFIED ROADWAYS

01	Purpose  Provide electricity to electric vehicles (EVs) while they are in motion	Technology Power supply from roadway through wire (Conductive) or wirelessly (Inductive) 	02
03	Benefits  Promote EV use by reducing the anxiety related to charging	Challenges <ul style="list-style-type: none"> • High installation cost • Compatibility • Standardization • Environmental impact 	04
05	Examples <ul style="list-style-type: none"> • US, Sweden, Germany, and Korea • A quarter-mile pilot project in Detroit, MI, started in 2023 	Future Outlook <ul style="list-style-type: none"> • Promote EV use • Reduce pollution from EV battery processes 	06

The Modern Mobility Podcast is brought to you by Modern Mobility Partners, a women and minority owned transportation planning and traffic engineering consulting firm located in Atlanta, GA. For other podcast downloads or to learn more about our team, services, and experience, visit www.modernmobilitypartners.com.

