


# Smart Pavement

## An integrated smart infrastructure system for Joplin, MO

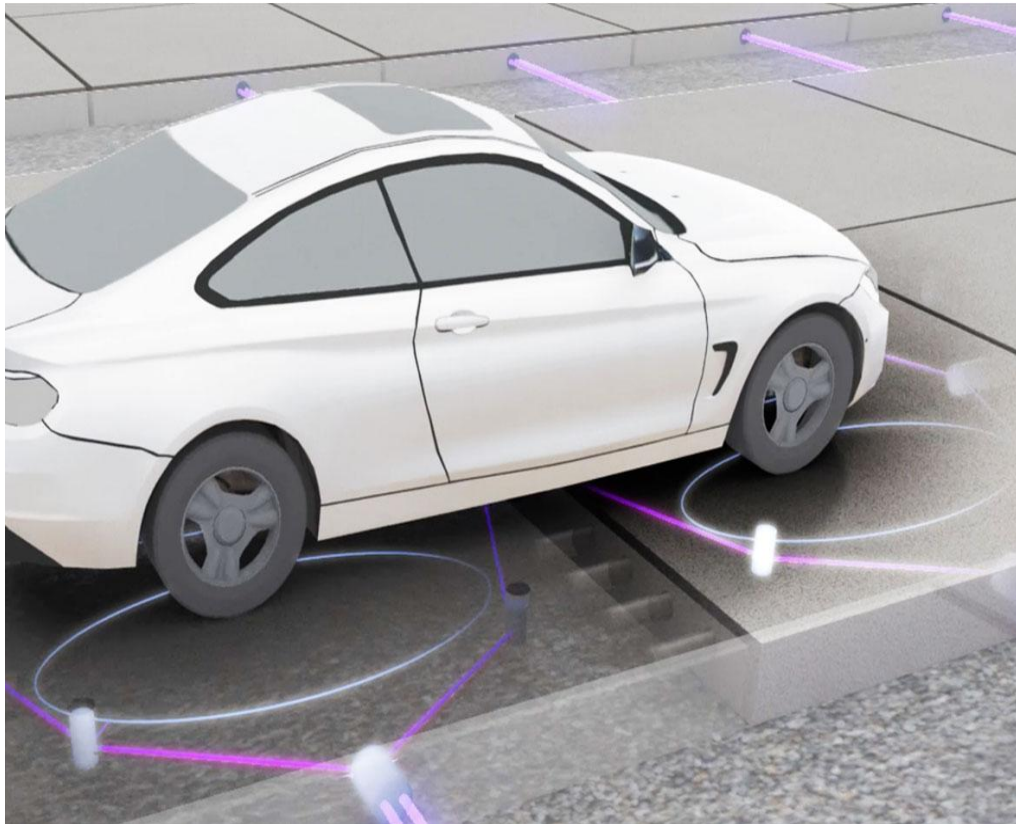
Integrated Roadways, LLC - Proprietary and Confidential

# INTEGRATED ROADWAYS COMPANY OVERVIEW

Integrated Roadways is a pioneer in Smart Pavement technology

We transform roadways from liabilities into self-sustaining assets

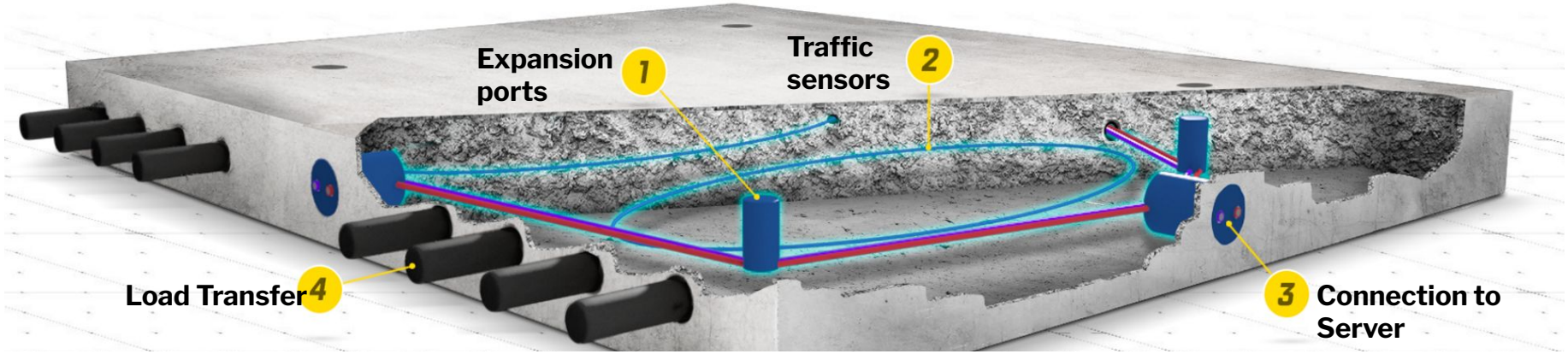
- Smart Pavement – prefabricated, technology enabled, modular slabs
- Benefits – innovative design, faster to construct, offers real-time traffic data, and upgradable platform
- Public Private Partnership – national smart infrastructure program with cities and states



# SMART PAVEMENT SYSTEM OVERVIEW

Innovative in infrastructure design, implementation, monitoring and management

- High quality traffic data
- Cloud analytics
- Distributed antenna systems
- Sensors & networking built in
- Expandable & future proof

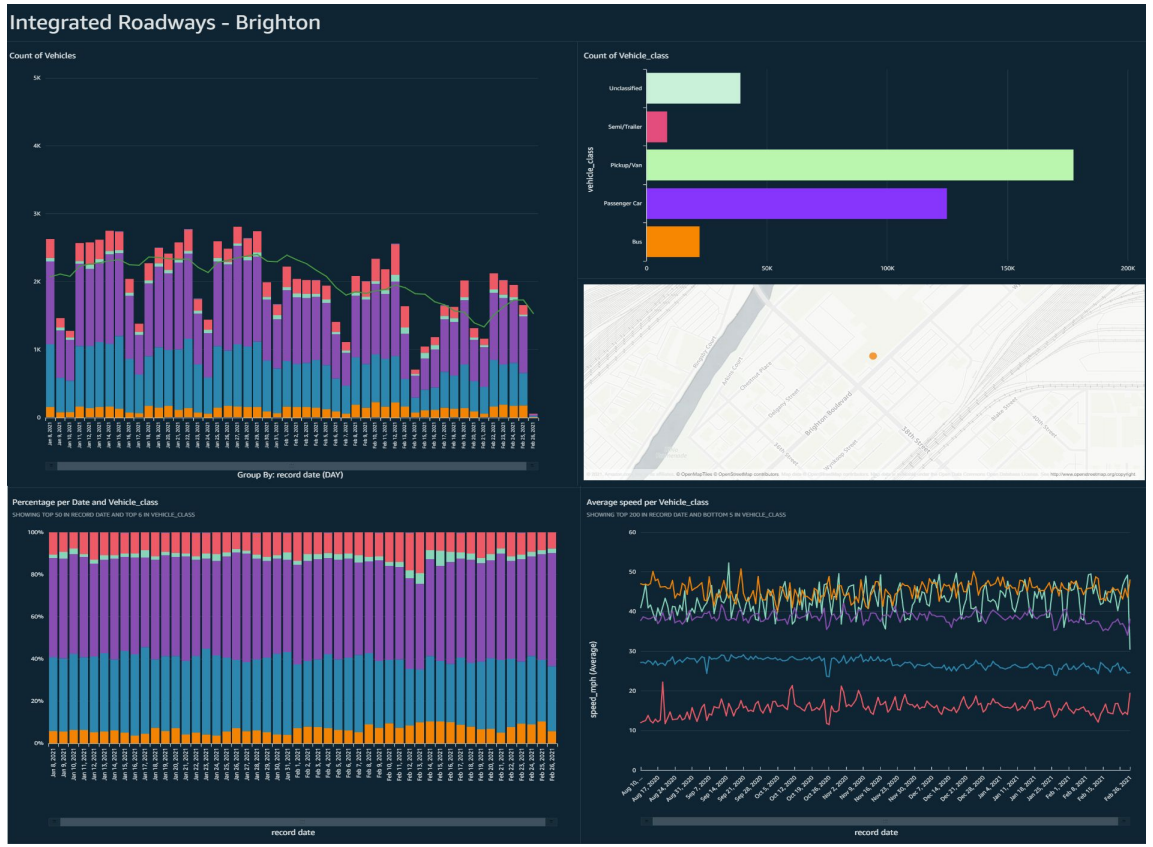


# SMART PAVEMENT SYSTEM DASHBOARD

Smart Pavement provides real-time traffic data to any approved party from any device

## Automatically generates:

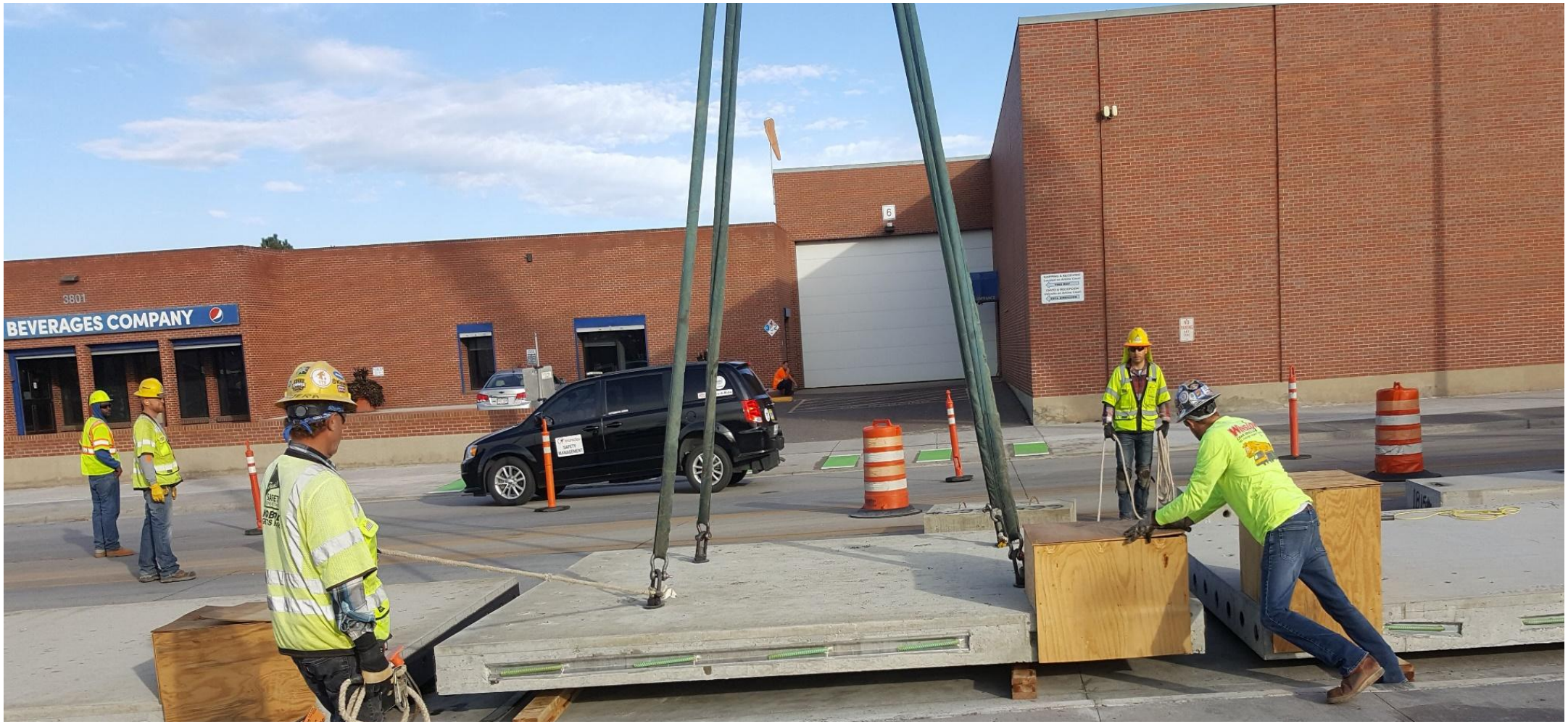
- Fully Anonymous Traffic Information
- Lane Usage
- Speed Metrics
- Vehicle Types
- Real-time traffic reports



# SMART PAVEMENT IN DENVER, CO



# SMART PAVEMENT IN DENVER, CO



# SMART PAVEMENT IN DENVER, CO



Seamless, continuous, automatically collects traffic data

# SHOWCASE CITY CENTER IN LENEXA, KS

The Project represents an opportunity to generate revenues from traffic data and comms services

- 10-year Smart Infrastructure Program financed by Integrated Roadways
- MOU, Master Implementation Agreement and License approved by City Council
- Phase I - upgrade five intersections starting in 2021
- Local Design, Build, Operate and Maintain provider
- Strong mix of high-traffic, commercial, retail, and residential areas
- Potential capabilities for EV charging and AV transit



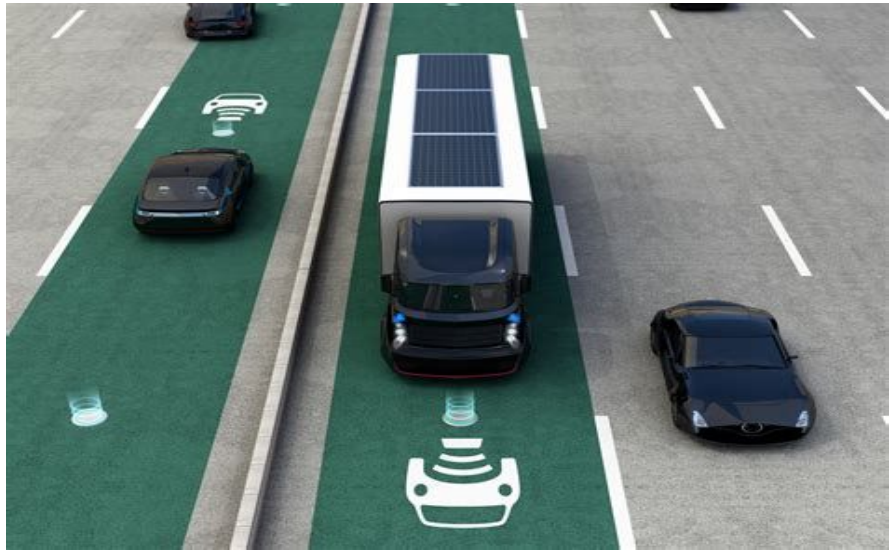

*Anticipated locations of intersections to be upgraded*

# IMMEDIATE AND FUTURE TECHNOLOGY USES

Smart Pavement transforms intersections and roads into an asset enabling a variety of use-cases

- Weight-in motion systems
- Connected vehicle infrastructure
- Wireless electric vehicle charging
- Transit loops for autonomous vehicles





# BENEFITS OF OUR SMART INFRASTRUCTURE PROGRAM

We leverage our technology, development partners and access to private capital for projects

- 10-year innovative future ready program
- Supports capital improvement plans
- CapEx and OpEx friendly to cities
- Automated data collection and traffic services
- Platform for Smart City features and other capabilities
- Designed to support electric vehicle charging and autonomous vehicle services





# Smart Infrastructure Program and Project Ops

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