

Introduction

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Introduction

ATDM

Active Transportation & Demand Management

ATDM is the dynamic management, control, and influence of travel demand, traffic demand, and traffic flow of transportation facilities. Through the use of available tools and assets, traffic flow is managed, and traveler behavior is influenced in real-time.

Introduction

The principal aspect of ATDM is to **dynamically manage and control** travel and parking demand and traffic flow using and integrated strategies.

Use available technology to make changes before conditions deteriorate

The transportation system is continuously monitored.



Introduction

ATDM is one of 8 service layer plans (SLP) from the Iowa DOT's TSMO (Transportation System Management & Operations) Plan

Traffic Incident Traffic ITS and Traveler Communications Information Management Management Center Systems Active Work Zone Connected and Emergency Transportation Management Automated Transportation and Demand **Vehicles** Operations Management

Introduction

ATDM strategies will support the DOT's 2025 business plan goals

	Goal	Outcomes			
V	Improve Transportation System Safety and Performance	 Zero fatalities in work zones Total traffic fatalities significantly reduced Increased efficiency, reliability of transportation system 			
V	Improve Customer Service	Greater levels of customers satisfaction			
	Advance Workforce for Future Challenge & Opportunities	 Engaged and empowered employees Increased diversity, equity and inclusion Steady reduction in turnover rate 			
V	Secure Stable & Sustainable Funding	 Diversified funding mechanisms Reduced technical debt 			
V	Grow Innovation	 Adopt smart technologies Culture innovation Modernize systems 			

Developmental Process

ATDM strategies are created from the needs and opportunities for areas determined by many stakeholders



Iowa Department of Transportation

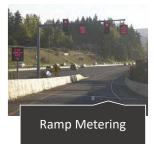
- Traffic Operations Bureau
- ◆ Field Operations Division Districts
- Location and Environment Bureau
- Traffic & Safety Bureau
- Systems Planning
- Motor Vehicle Enforcement
- Maintenance Bureau
- Construction & Materials Bureau

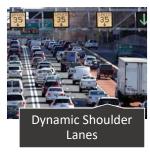


External Stakeholders

- MPOs / RPAs
- Cities
- Multi-Disciplinary Safety Teams (MDSTs)
- Public Transportation Agencies
- Iowa State University (InTrans)

Active Traffic & Demand Management Sample Strategies





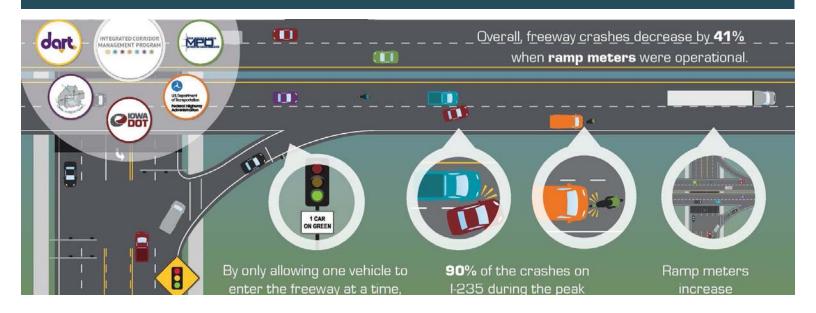








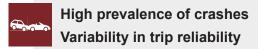
ATDM Deployment



ATDM Deployment

Opportunities









Changes in Prevailing Conditions



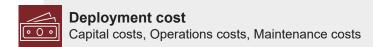
Construction Impacts



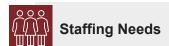
Roadway geometry
Limitations in capacity expansion

ATDM Deployment

Considerations









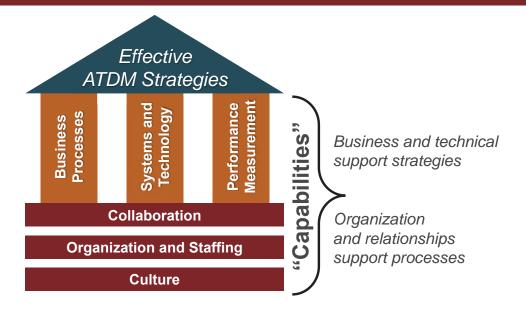
Active Traffic & Demand Management Strategies

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ATDM Agency Readiness



Next Steps



Next Steps

Complete survey to express interest

Use QR code or follow the link below



www.surveymonkey.com/r/YY96QDZ

Next Steps

Contact us with questions or to discuss further

Tim Simodynes



Jon Markt

