On-Ramp to Innovation
every day counts

Conference Display and Video Catalog

2019

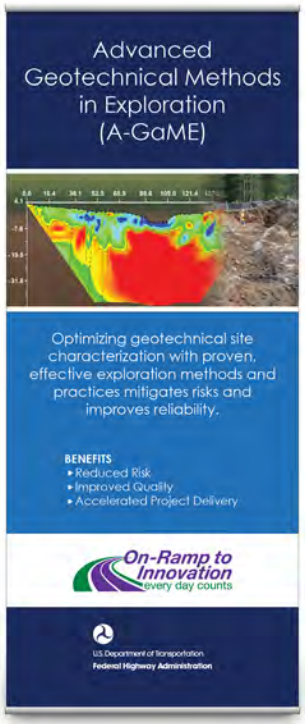
U.S. Department of Transportation
Federal Highway Administration

OFFICE OF INNOVATIVE
PROGRAM DELIVERY

Contents

On-Ramp to Innovation
every day counts

Banner Stands



EDC 2018 BANNER #EDC-5A

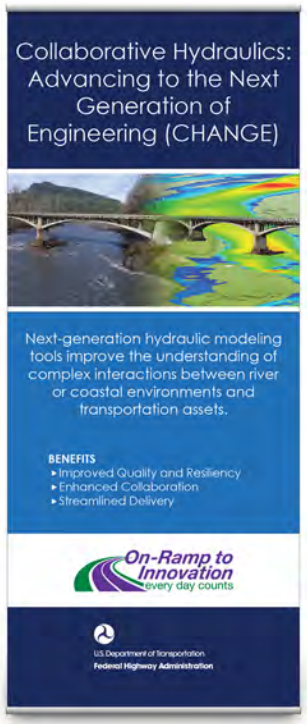
Dimensions: 35 in x 83 in

Advanced Geotechnical Methods in Exploration(A-GaME)

Optimizing geotechnical site characterization with proven, effective exploration methods and practices mitigates risks and improves reliability.

BENEFITS

- Reduced Risk
- Improved Quality
- Accelerated Project Delivery



EDC 2018 BANNER #EDC-5B

Dimensions: 35 in x 83 in

Collaborative Hydraulics: Advancing to the Next Generation of Engineering (CHANGE)

Next-generation hydraulic modeling tools improve the understanding of complex interactions between river or coastal environments and transportation assets.

BENEFITS

- Improved Quality and Resiliency
- Enhanced Collaboration
- Streamlined Delivery

EDC 2018 BANNER #EDC-5C

Dimensions: 35 in x 83 in

Project Bundling

Awarding a single contract for several preservation, rehabilitation, or replacement projects helps agencies reduce costs and strategically achieve program goals.

BENEFITS

- Expedited Project Delivery
- Reduced Cost
- Contracting and Construction Efficiency
- Innovative Funding Opportunities

EDC 2018 BANNER #EDC-5D

Dimensions: 35 in x 83 in

Reducing Rural Roadway Departures

Reduce the potential for serious injury and fatal roadway departure crashes on all public rural roads by increasing the systemic deployment of proven countermeasures.

BENEFITS

- Partnerships
- Data-driven Deployment
- Safer Rural Roads

EDC 2018 BANNER #EDC-5E

Dimensions: 35 in x 83 in

Safe Transportation for Every Pedestrian (STEP)

Deploying cost-effective countermeasures with known safety benefits can help reduce pedestrian fatalities at both uncontrolled and signalized crossing locations.

BENEFITS

- Improved Safety
- Targeted Investment
- Enhanced Quality of Life

EDC 2018 BANNER #EDC-5F

Dimensions: 35 in x 83 in

Unmanned Aerial Systems (UAS)

UAS offer several transformative aspects for highway transportation, enhancing safety and productivity and reducing cost.

BENEFITS

- Improved Safety
- Accelerated Construction
- Asset Maintenance

EDC 2018 BANNER #EDC-5G

Dimensions: 35 in x 83 in

Crowdsourcing for Operations

Crowdsourcing overcomes limitations of traditional traffic monitoring systems enabling more proactive transportation systems management and operations.

BENEFITS

- Improve roadway safety and reliability
- Improve operational efficiency
- Cost-effective system monitoring

EDC 2018 BANNER #EDC-5H

Dimensions: 35 in x 83 in

Value Capture: *Capitalizing on the Value Created by Transportation*

Value capture strategies can help agencies recover a portion of public transportation investments that result in increased land values.

BENEFITS

- Continuous Improvement
- Financial Equity
- Environmental Resiliency

EDC 2018 BANNER #EDC-5I

Dimensions: 35 in x 83 in

Virtual Public Involvement

Virtual public involvement supports agencies' efforts to engage the public more effectively by supplementing face-to-face information sharing with technology.

BENEFITS

- Efficiency and Low Cost
- Accelerated Project Delivery
- Communication and Collaboration
- Expanded Engagement

EDC 2018 BANNER #EDC-5J

Dimensions: 35 in x 83 in

Weather-Responsive Management Strategies

Weather-responsive management strategies increase the effectiveness of traffic operations during adverse road weather conditions and help reduce costs associated with winter maintenance.

BENEFITS

- Safer Roads
- Informed Travelers
- Reduced Delays
- Environmental Sustainability

CAI BANNER #CAI-01

Dimensions: 35 in x 83 in

Center for Accelerating Innovation

- On-Ramp to Innovation - Every Day Counts
- STIC - State Transportation Innovation Councils
- AID Demo - Accerated Innovation Deployment
- AMR - Accelerating Market Readiness

EDC 2016 BANNER #EDC-4A

Dimensions: 35 in x 83 in

Automated Traffic Signal Performance Measures (ATSPMs)

ATSPMs modernize traffic signal management by providing high-resolution data to support objectives and performance based maintenance and operations strategies that improve safety and efficiency while cutting congestion and cost.

BENEFITS

- Targeted Maintenance and Operations
- Lower Maintenance and Operations Costs
- Improved Safety

EDC 2016 BANNER #EDC-4B

Dimensions: 35 in x 83 in

Collaborative Hydraulics: Advancing to the Next Generation of Engineering (CHANGE)

Next-generation hydraulic tools improve understanding of complex interactions between river or coastal environments and transportation assets, enabling better design and more efficient project delivery.

BENEFITS

- Improved Quality and Resiliency
- Enhanced Collaboration
- Streamlined Delivery

EDC 2016 BANNER #EDC-4C

Dimensions: 35 in x 83 in

Community Connections

Performance management approaches for planning, designing and building transportation projects that promote connectivity, revitalize communities and improve public health and safety.

BENEFITS

- Informed Decision-Making
- Increased Connectivity
- Enhanced Health and Safety

EDC 2016 BANNER #EDC-4D

Dimensions: 35 in x 83 in

Data-Driven Safety Analysis (DDSA)

Using tools to analyze crash and roadway data to predict the safety impacts of highway projects allows agencies to target investments with more confidence and reduce severe crashes on the roadways.

BENEFITS

- Informed Decision-Making
- Targeted Investments
- Improved Safety

EDC 2016 BANNER #EDC-4E

Dimensions: 35 in x 83 in

e-Construction and Partnering:
A Vision for the Future

Paperless technologies enhance partnering among stakeholders on construction projects, improving communication and workflows while streamlining project delivery.

BENEFITS

- Increases transparency
- Saves Time
- Saves Money

EDC 2016 BANNER #EDC-4F

Dimensions: 35 in x 83 in

Integrating NEPA and Permitting

Integration of NEPA and permitting processes enables concurrent, synchronized environmental and permitting reviews that save time and cost for the agencies involved.

BENEFITS

- Increases efficiency
- Shortens Delivery
- Saves Resources

EDC 2016 BANNER #EDC-4G

Dimensions: 35 in x 83 in

Pavement Preservation (When, Where, and How)

Applying a pavement preservation treatment at the right time (when), on the right project (where), with quality materials and construction (how) is a critical investment strategy for optimizing infrastructure performance.

BENEFITS

- Improved Safety and Economy
- Enhanced Performance and Sustainability
- Greater Flexibility and Cost Savings
- Quality Construction and Materials

EDC 2016 BANNER #EDC-4H

Dimensions: 35 in x 83 in

Road Weather Management – Weather-Savvy Roads

Integrating mobile observing systems on state vehicles and coordinating weather-related messages with the National Weather Service can help agencies manage road systems and inform travelers ahead of, and during, adverse road weather conditions.

BENEFITS

- Enhanced Collaboration, Informed Travelers
- Proactive and Cost-Efficient Management
- Improved Safety, Mobility and Economy

EDC 2016 BANNER #EDC-4I

Dimensions: 35 in x 83 in

Safe Transportation for Every Pedestrian (STEP)

Cost-effective countermeasures with known safety benefits can help reduce pedestrian fatalities at uncontrolled crossing locations and un-signalized intersections.

BENEFITS

- Improved Safety
- Targeted investment
- Enhanced Quality of Life
- Improved Pedestrian Network Connectivity

EDC 2016 BANNER #EDC-4J

Dimensions: 35 in x 83 in

UHPC Connections for PBE Construction

Ultra-high performance concrete (UHPC) connections are simple, strong, and durable, resulting in successful construction using prefabricated bridge elements (PBEs).

BENEFITS

- Simplified Element Fabrication
- Simplified Assembly
- Better Long-Term Performance

EDC 2016 BANNER #EDC-4K

Dimensions: 35 in x 83 in

Using Data to Improve Traffic Incident Management

Increasing the amount, consistency and quality of TIM data collection supports development of performance measures for evaluating and improving traffic incident response.

BENEFITS

- Demonstrated TIM Effectiveness
- Improved Operations
- Better Outcomes

Panel Displays

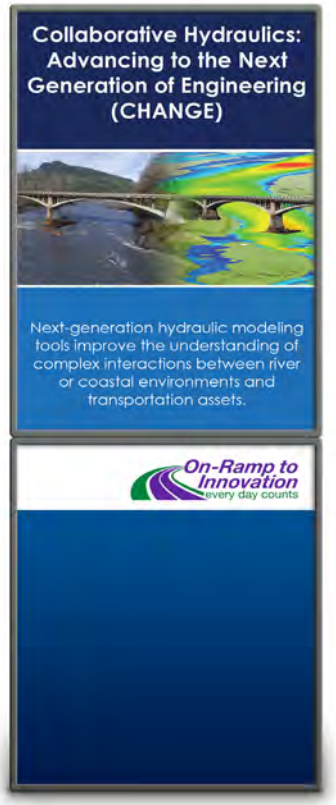
The following panel displays are shipped in large flat boxes (41” x 51” x 9”) and require assembly. They must be set up in configurations of 2 or more. They must be assembled using an accordian or triangular footprint.

EDC 2019 PANEL #EDC-5-P01

Dimensions: 33 in. x 88 in.

Advanced Geotechnical Methods in Exploration(A-GaME)

Optimizing geotechnical site characterization with proven, effective exploration methods and practices mitigates risks and improves reliability.



EDC 2019 PANEL #EDC-5-P02

Dimensions: 33 in. x 88 in.

Collaborative Hydraulics: Advancing to the Next Generation of Engineering (CHANGE)

Next-generation hydraulic modeling tools improve the understanding of complex interactions between river or coastal environments and transportation assets.

EDC 2019 PANEL #EDC-5-P03

Dimensions: 33 in. x 88 in.

Project Bundling

Awarding a single contract for several preservation, rehabilitation, or replacement projects helps agencies reduce costs and strategically achieve program goals.

EDC 2019 PANEL #EDC-5-P04

Dimensions: 33 in. x 88 in.

Reducing Rural Roadway Departures

Reduce the potential for serious injury and fatal roadway departure crashes on all public rural roads by increasing the systemic deployment of proven countermeasures.

EDC 2019 PANEL #EDC-5-P05

Dimensions: 33 in. x 88 in.

Safe Transportation for Every Pedestrian (STEP)

Deploying cost-effective countermeasures with known safety benefits can help reduce pedestrian fatalities at both uncontrolled and signalized crossing locations.

EDC 2019 PANEL #EDC-5-P06

Dimensions: 33 in. x 88 in.

Unmanned Aerial Systems (UAS)

UAS offer several transformative aspects for highway transportation, enhancing safety and productivity and reducing cost.

EDC 2019 PANEL #EDC-5-P07

Dimensions: 33 in. x 88 in.

Use of Crowdsourcing to Advance Operations

Crowdsourcing overcomes limitations of traditional traffic monitoring systems enabling more proactive transportation systems management and operations.

EDC 2019 PANEL #EDC-5-P08

Dimensions: 33 in. x 88 in.

Value Capture: *Capitalizing on the Value Created by Transportation*

Value capture strategies can help agencies recover a portion of public transportation investments that result in increased land values.

EDC 2019 PANEL #EDC-5-P09

Dimensions: 33 in. x 88 in.

Virtual Public Involvement

Virtual public involvement supports agencies' efforts to engage the public more effectively by supplementing face-to-face information sharing with technology.

EDC 2019 PANEL #EDC-5-P10

Dimensions: 33 in. x 88 in.

Weather-Responsive Management Strategies

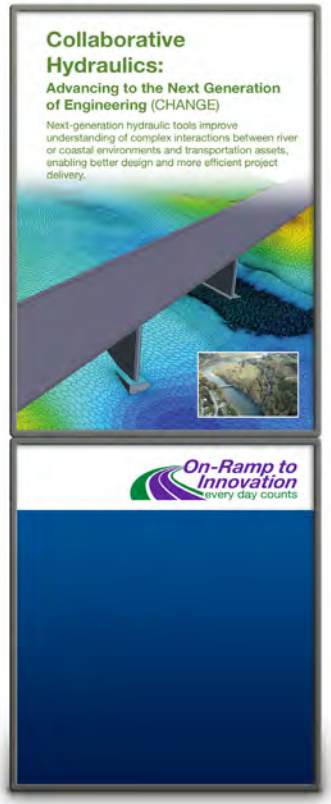
Weather-responsive management strategies increase the effectiveness of traffic operations during adverse road weather conditions and help reduce costs associated with winter maintenance.

EDC 2017 PANEL #EDC-4-P01

Dimensions: 33 in. x 88 in.

Automated Traffic Signal Performance Measures (ATSPMs)

Providing High Resolution Data to support performance based traffic signal management to improve safety and efficiency.



EDC 2017 PANEL #EDC-4-P02

Dimensions: 33 in. x 88 in.

Collaborative Hydraulics: Advancing to the Next Generation of Engineering (CHANGE)

Next-generation hydraulic tools improve understanding of complex interactions between river or coastal environments and transportation assets, enabling better design and more efficient project delivery.

EDC 2017 PANEL #EDC-4-P03

Dimensions: 33 in. x 88 in.

Community Connections

Performance management approaches for planning, designing and building transportation projects that promote connectivity, revitalize communities and improve public health and safety.

EDC 2017 PANEL #EDC-4-P04

Dimensions: 33 in. x 88 in.

Data-Driven Safety Analysis (DDSA)

Using tools to analyze crash and roadway data to predict the safety impacts of highway projects allows agencies to target investments with more confidence and reduce severe crashes on the roadways.

EDC 2017 PANEL #EDC-4-P05

Dimensions: 33 in. x 88 in.

e-Construction and Partnering:
A Vision for the Future

Paperless technologies enhance partnering among stakeholders on construction projects, improving communication and workflows while streamlining project delivery.

EDC 2017 PANEL #EDC-4-P06

Dimensions: 33 in. x 88 in.

Integrating NEPA and Permitting

Integration of NEPA and permitting processes enables concurrent, synchronized environmental and permitting reviews that save time and cost for the agencies involved.

EDC 2017 PANEL #EDC-4-P07

Dimensions: 33 in. x 88 in.

Pavement Preservation (When, Where)

A critical investment strategy for optimizing infrastructure performance by applying a pavement preservation treatment at the right time (when), on the right project (where).

EDC 2017 PANEL #EDC-4-P08

Dimensions: 33 in. x 88 in.

Pavement Preservation (How)

A critical investment strategy for optimizing infrastructure performance by applying a pavement preservation treatment using quality materials and construction (how).

EDC 2017 PANEL #EDC-4-P09

Dimensions: 33 in. x 88 in.

Road Weather Management:
Weather-Savvy Roads

Integrating mobile observing systems on state vehicles and coordinating weather-related messages with the National Weather Service can help manage road systems and inform travelers about adverse conditions.

EDC 2017 PANEL #EDC-4-P10

Dimensions: 33 in. x 88 in.

Safe Transportation for Every Pedestrian (STEP)

Cost effective countermeasures with known safety benefits can help reduce pedestrian injuries and fatalities at uncontrolled crossing locations.

EDC 2017 PANEL #EDC-4-P11

Dimensions: 33 in. x 88 in.

UHPC Connections for PBE Construction

Ultra-high performance concrete (UHPC) connections are simple, strong, and durable, resulting in successful construction using prefabricated bridge elements (PBEs).

EDC 2017 PANEL #EDC-4-P12

Dimensions: 33 in. x 88 in.

Using Data to Improve Traffic Incident Management (TIM)

Increasing the amount, consistency and quality of TIM data collection supports development of performance measures for evaluating and improving traffic incident response.

EDC 2015 PANEL #EDC-3-P01

Dimensions: 33 in. x 88 in.

3D Engineered Models: Schedule, Cost, and Post-Production

Application of models and supporting data to effectively connect a project's design and construction phases as well as for cost and schedule management, asset management, and as-built records.

EDC 2015 PANEL #EDC-3-P02

Dimensions: 33 in. x 88 in.

Data-Driven Safety Analysis

Predictive and systemic analysis approaches to safety management and project development decision-making that lead to better highway investments and fewer severe crashes.

EDC 2015 PANEL #EDC-3-P03

Dimensions: 33 in. x 88 in.

e-Construction

A process for the collection, review, approval and distribution of highway contract documents in a paperless environment to improve quality, efficiency, and productivity.

EDC 2015 PANEL #EDC-3-P04

Dimensions: 33 in. x 88 in.

Improving Collaboration and Quality Environmental Documentation (eNEPA and IQED)

Tools that enable collaborative, concurrent, timely interagency reviews of environmental documents resulting in saving time and money and improving the quality of NEPA documents.

EDC 2015 PANEL #EDC-3-P05

Dimensions: 33 in. x 88 in.

Geosynthetic Reinforced Soil-Integrated Bridge System (GRS-IBS)

A simple, adaptable design using layers of geosynthetic reinforcement and compacted fill that can be built with commonly available equipment and materials reducing bridge construction time and cost.

EDC 2015 PANEL #EDC-3-P06

Dimensions: 33 in. x 88 in.

Improving DOT and Railroad Coordination (SHRP2 R16)

A suite of best practices, model agreements and sample contracts that improve communication and project coordination among public agencies and railroads reducing delays and project costs.

EDC 2015 PANEL #EDC-3-P07

Dimensions: 33 in. x 88 in.

Regional Models of Cooperation

A framework for DOTs, MPOs and transit authorities to improve collaboration across agency boundaries and to develop multi-jurisdictional transportation plans.

EDC 2015 PANEL #EDC-3-P08

Dimensions: 33 in. x 88 in.

Road Diets (Roadway Reconfiguration)

A low-cost strategy that reallocates the roadway cross-section to safely accommodate all users, increase mobility and access, reduce crashes, and improve a community's quality of life.

EDC 2015 PANEL #EDC-3-P09

Dimensions: 33 in. x 88 in.

Smarter Work Zones

Traffic management strategies that create efficient work zones through road project coordination and technology applications such as queue and speed management.

EDC 2015 PANEL #EDC-3-P10

Dimensions: 33 in. x 88 in.

Locally Administered Federal-Aid Projects: Stakeholder Partnering

A defined decision-making process for stakeholders to identify issues, review and refine project development processes, and work on solutions for locally administered projects.

EDC 2015 PANEL #EDC-3-P11

Dimensions: 33 in. x 88 in.

Ultra-High Performance Concrete Connections for Prefabricated Bridge Elements

A steel fiber-reinforced material that improves durability and simplifies connection details, fabrication and construction aspects associated with using prefabricated bridge elements to accelerate construction.

Branded Backdrop and Tables

3 OR 5-PANEL WAVE BACKDROP WITH VIDEO MONITOR

Dimensions: (3 panel) 7.5 ft. x 2 ft. or (5 panel) 12.5 ft. x 2 ft.

TALL DISPLAY TABLE WITH STORAGE CABINET #TTBL-CL002

Dimensions: 4 ft x 3.25 ft

This table can be used with a touchscreen monitor or to display literature.

TALL DISPLAY TABLE WITH STORAGE CABINET #TTBL-CL001

Dimensions: 2 ft x 3.25 ft

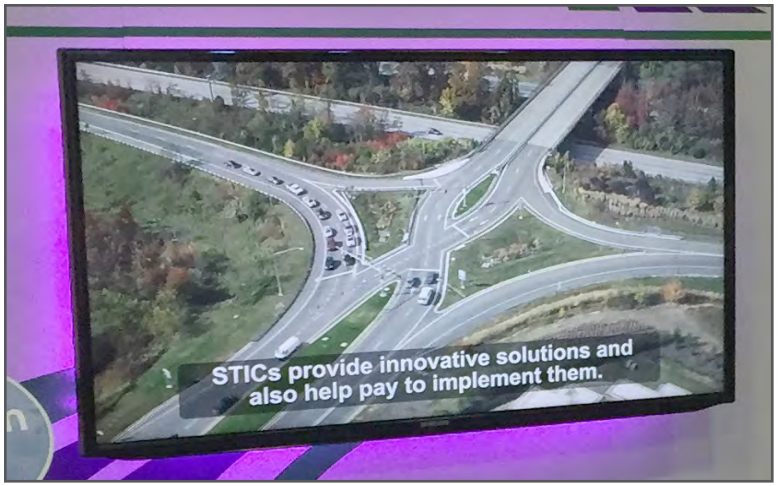
This table can be used with a touchscreen monitor or to display literature.

Touchscreens and Video Monitor

TOUCHSCREEN #EDC2-TS001

Dimensions: 22 in x 16 in x 3 in

This Touchscreen can be loaded with several custom EDC videos for use at your booth.



SMART TV #EDC2-TV001

Dimensions: 41.7 in x 3.7 in x 24.6 in

46 in Samsung Smart TV

This 46 in Smart TV can be used to show a series of digital videos.

Videos

The following videos are available on the EDC YouTube channel and can be downloaded. Subtitled versions for offline use are available on request for most videos.

EDC-5 DESTINATION INNOVATION

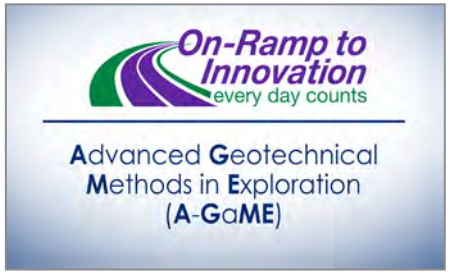
Run Time: 50 sec.

Description:

FHWA kicks off Every Day Counts round five in 2019 to promote 10 technologies and practices. The state-based program deploys proven but underused innovations to shorten project delivery and enhance the transportation system.

Location:

https://youtu.be/uuLouWc4NW8



ADVANCED GEOTECHNICAL METHODS IN EXPLORATION (A-GAME)

Run Time: 2 min. 47 sec.

Description:

Geotechnical issues impact schedules and budgets on up to half of all major infrastructure projects. Recognizing geotechnical conditions early can improve designs and ensure safe, well-performing, and cost-effective projects. FHWA suggests agencies consider several advanced geotechnical methods in exploration (A-GaME) technologies including: cone penetration testing, electrical resistivity, measurement while drilling, and acoustic and optical televiewers.

Location:

https://youtu.be/-HXp9hbGfeg

PROJECT BUNDLING

Run Time: 3 min. 4 sec.

Description:

Many transportation system assets are aging and need attention. Deteriorating system performance impacts safety and travel time, but there are limited resources to address this problem. Now new, advanced approaches to project bundling leverage economies of scale and maximize agency resources.

Location:

https://youtu.be/txEJoGdvqjs

VALUE CAPTURE

Run Time: 3 min. 4 sec.

Description:

Transportation improvements increase accessibility and make surrounding locations more valuable. Property owners near new roads, interchanges, and multi-modal facilities often experience a benefit thanks to the new infrastructure. Public agencies can "capture" a portion of this increased property value to build, maintain, or reinvest in the transportation system.

Location:

https://youtu.be/Ku18jyDU-XI

Videos

VIRTUAL PUBLIC INVOLVEMENT

Run Time: 3 min. 18 sec.

Description:

Robust public engagement during transportation planning and project development can accelerate project delivery by identifying issues and concerns early in the process. Virtual public involvement techniques, such as telephone town halls and online meetings, offer convenient, efficient, and low-cost methods for informing the public, encouraging their participation, and receiving their input.

Location:

https://youtu.be/KFmorjCTbDk

WEATHER RESPONSIVE MANAGEMENT STRATEGIES

Run Time: 2 min. 37 sec.

Description:

Weather-responsive traffic management (WRTM) strategies increase the effectiveness of traffic operations during adverse road weather conditions and weather-responsive maintenance management (WRMM) strategies help reduce costs associated with winter maintenance.

Location:

https://youtu.be/jYrrw9s6T_U

Videos

EVERY DAY COUNTS 2017-18

Run Time: 46 sec.

Description:

Every Day Counts promotes technologies and practices that shorten the project delivery process, enhance safety and improve environmental sustainability. They range from paperless project delivery tools and building community connections to time-saving planning techniques and data-driven safety analysis. FHWA is working with transportation agencies to deploy the 11 new innovations in 2017 and 2018.

Location:

https://youtu.be/UqjWNryw_xI

AUTOMATED TRAFFIC SIGNAL PERFORMANCE MEASURES

Run Time: 2 min. 9 sec.

Description:

The safety, mobility and efficiency of more than 330,000 traffic signals currently operating in the U.S. is largely reliant on citizen complaints and manual signal timing design methods that are time consuming and expensive. A cheaper, better, and smarter way to manage the reliability and performances traffic signals has arrived. The Every Day Counts innovation "automated traffic signal performance measures" can provide continuous monitoring of more than a dozen performance measures fueled by high-resolution event based data.

Location:

https://youtu.be/iFNvw_ZdVyk

COLLABORATIVE HYDRAULICS: ADVANCING TO THE NEXT GENERATION OF ENGINEERING (CHANGE)

Run Time: 2 min. 20 sec.

Description:

Collaborative Hydraulics: Advancing the Next Generation of Engineering (CHANGE) tools allow users to create better representations of the often complex interaction between transportation assets and the riverine or coastal environments, resulting in better designs and more efficient project delivery.

Location:

https://youtu.be/pgIL3oCZ2N8

COMMUNITY CONNECTIONS

Run Time: 3 min.

Description:

Transportation can play an important role in supporting community revitalization. In the fourth round of Every Day Counts (EDC-4), Community Connections offers tools and strategies for developing transportation systems in a way that is inclusive and interconnected through planning, designing, and managing public spaces that promote connectivity.

Location:

https://youtu.be/y4sUfXkLtxw

Videos

DATA-DRIVEN SAFETY ANALYSIS (DDSA)

Run Time: 1 min. 59 sec.

Description:

Using tools to analyze crash and roadway data to predict the safety impacts of highway projects allows agencies to target investments with more confidence and reduce severe crashes on the roadways.

Data-driven safety analysis provides more reliable analysis than previous methods through the application of predictive and systemic tools for analyzing crash and roadway data.

Location:

https://youtu.be/m4ob1Ocod4k

E-CONSTRUCTION AND PARTNERING: *A VISION FOR THE FUTURE*

Run Time: 2 min. 34 sec.

Description:

Transportation agencies are transforming the traditional, cumbersome, paper-based approach to construction document management into the electronic age using e-Construction and Partnering: a vision for the future. Paperless technologies enhance partnering among stakeholders on construction projects, improving communication and workflows while streamlining project delivery.

Location:

https://youtu.be/RTPxY3qhTb0

INTEGRATING NEPA AND PERMITTING

Run Time: 2 min. 35 sec.

Description:

Several challenges can arise during environmental review and permitting of transportation projects, leading to project delay or halting the project altogether. Integrating the National Environmental Policy Act (NEPA) and permitting processes allows the various environmental reviews and permitting procedures to be performed concurrently, saving time and cost for the agencies involved.

Location:

https://youtu.be/qH3aLEx6Dew

PAVEMENT PRESERVATION (WHEN, WHERE, AND HOW)

Run Time: 2 min. 43 sec.

Description:

All highway pavements deteriorate over time. Applying a pavement preservation treatment at the right time (when), on the right project (where), with quality materials and construction (how) is a critical investment strategy for slowing structural decline and optimizing infrastructure performance.

Location:

https://youtu.be/qNXFD6LSoxo

Videos

ROAD WEATHER MANAGEMENT – WEATHER-SAVVY ROADS

Run Time: 2 min. 32 sec.

Description:

Adverse weather conditions can lead to traffic crashes and cause delays on the roadway. When severe weather is in your path, where do you turn for the latest information? The Federal Highway Administration's Every Day Counts initiative is shining the innovation spotlight on "Road Weather Management: Weather Savvy Roads." This innovation includes two solutions: the Pathfinder implementation plan and the integration of mobile observations.

Location:

https://youtu.be/VecXvUwMcGc

SAFE TRANSPORTATION FOR EVERY PEDESTRIAN (STEP)

Run Time: 2 min. 58 sec.

Description:

FHWA is promoting Safe Transportation for Every Pedestrian (STEP) as one of 11 innovations in Every Day Counts round four. STEP includes five pedestrian safety countermeasures: road diets, pedestrian hybrid beacons, pedestrian refuge islands, raised crosswalks, and crosswalk visibility enhancements. Knowing how to determine good crossing locations and which countermeasures to use enables highway agencies and other organizations to increase pedestrian safety and improve quality of life.

Location:

https://youtu.be/afSdzpp_CHo

ULTRA-HIGH PERFORMANCE CONCRETE CONNECTIONS FOR PBES

Run Time: 3 min. 7 sec.

Description:

Ultra-high performance concrete (UHPC) can be used to create the simple, strong, long-lasting connections needed for successful construction using prefabricated bridge elements. The durability of prefabricated spans, and how quickly they can be constructed relies on the connections between the elements. This innovation was part of Every Day Counts round three (EDC-3) and continues under EDC-4.

Location:

https://youtu.be/zGlHLHskOjQ

USING DATA TO IMPROVE TRAFFIC INCIDENT MANAGEMENT

Run Time: 2 min. 28 sec.

Description:

Increasing the amount, consistency and quality of Traffic Incident Management (TIM) data collection supports development of performance measures for evaluating and improving traffic incident response. FHWA is encouraging adoption of three national TIM performance measures – time of lane closure, time responders are on-scene, and number of secondary accidents – that agencies can focus on in data collection and reporting.

Location:

https://youtu.be/UAOXrPmQ6sg

Videos

STIC: PEOPLE DRIVING INNOVATION

Run Time: 3 min. 50 sec.

Description:

Initiated by the Federal Highway Administration (FHWA), the State Transportation Innovation Council (STIC) puts highway community stakeholders in each state in the driver's seat to choose the innovations that best fit their needs and get those innovations into practice quickly. This video highlights the benefits of being involved in a STIC as told by members of the Pennsylvania STIC and FHWA.

Location:

https://youtu.be/TYUUnphp-TQ

STIC PARTNERING WITH PROFESSORS

Run Time: 3 min. 42 sec.

Description:

State Transportation Innovation Councils, or STICs, are made up of representatives from departments of transportation, local public agencies, industry, academia and other partners who evaluate innovations and spearhead their statewide deployment. By participating in a STIC, faculty get a better understanding of what the real-world needs are in the transportation community. This can help guide their research as well as institutionalize innovations the next generation of professionals.

Location:

https://youtu.be/7JWFH594kWE

STIC: WORKING IN OUR STATES

Run Time: 3 min. 27 sec.

Description:

Departments of transportation build a culture of innovation by leading their State Transportation Innovation Councils or STICs. A STIC is a group of public and private transportation stakeholders that evaluate innovations and spearhead their statewide deployment. Innovations are saving states millions of dollars.

Location:

https://youtu.be/roN1jUPpxyk

STIC: PARTNERING WITH LOCAL PUBLIC AGENCIES

Run Time: 3 min. 19 sec.

Description:

State Transportation Innovation Councils (STICs) are groups of public and private transportation stakeholders that evaluate innovations and spearhead their statewide deployment. STICs are made up of representatives from local public agencies (LPAs), departments of transportation, industry, academia and other partners. This video explains how LPAs benefit from being a part of a STIC.

Location:

https://youtu.be/gyCK4E_YASE

Videos

STIC: PARTNERING WITH INDUSTRY

Run Time: 2 min. 35 sec.

Description:

A culture of innovation is growing in every state thanks in part to industry involvement in State Transportation Innovation Councils. STICs are made up of representatives from local public agencies, departments of transportation, academia, industry, and other partners. This video highlights the many benefits to being part of a STIC as an industry representative.

Location:

https://youtu.be/1HvHN5jq9I0

DDSA CASE STUDY – HIGH LEVEL OVERVIEW

Run Time: 7 min. 58 sec.

Description:

Data-Driven Safety Analysis is the application of the latest generation of tools for analyzing crash and roadway data. This video gives an overview of this approach, which enables safety professionals to make more informed safety management and project development decisions in order to better target highway safety investments and reduce the number of severe crashes on roadways.

Location:

https://youtu.be/Lx7sJktkFVA

DDSA: WASHINGTON STATE DOT: A NEW APPROACH TO SAFETY ANALYSIS

Run Time: 4 min. 51 sec.

Description:

Data-Driven Safety Analysis (DDSA) is a collection of new tools and techniques that enables transportation agencies to make more informed decisions, better-target safety investments, and reduce severe crashes on their roadways. Watch this video to learn how WSDOT has incorporated DDSA into all of its project planning and processes.

Location:

https://youtu.be/6h7E8i6rey8

DATA-DRIVEN SAFETY ANALYSIS IN THE PROJECT DEVELOPMENT PROCESS

Run Time: 4 min. 26 sec.

Description:

Transportation professionals across the country are using the latest safety analysis tools to make more informed project development decisions, better target their investments, and reduce severe crashes on their roadways.

Location:

https://youtu.be/mN_lEp0YkFs

Videos

DDSA IN THE SAFETY MANAGEMENT PROCESS

Run Time: 3 min. 57 sec.

Description:

Data-Driven Safety Analysis (DDSA) is a new approach to safety investment that transportation agencies are using throughout their safety management processes. DDSA allows them to make more informed decisions, better target their investments, and reduce severe crashes on their roadways.

Location:

https://youtu.be/l6gl6sRbiuU

DDSA CASE STUDY – MINNESOTA

Run Time: 3 min. 50 sec.

Description:

In Minnesota, agencies are applying data-driven safety analysis on the State and local roadway systems to effectively reduce severe crashes.

Location:

https://youtu.be/jVds3AWWqbk

DDSA CASE STUDY – NEW JERSEY

Run Time: 3 min. 30 sec.

Description:

Data-Driven Safety Analysis helps determine the appropriate solution for rural intersection in New Jersey.

Location:

https://youtu.be/cHv086TQ2LI

DDSA: WASHINGTON STATE CASE STUDY

Run Time: 4 min. 13 sec.

Description:

A team of transportation agencies in Washington State used the latest safety analysis tools to customize three compact roundabouts at a busy interchange. The analysis saved millions of dollars without compromising the safety of the intersections.

Location:

https://youtu.be/UWqzmVGKDNk

Videos

LOCAL PUBLIC AGENCY STAKEHOLDER PARTNERING - THE OHIO EXPERIENCE 2016

Run Time: 5 min. 10 sec.

Description:

Stakeholder Partnering offers local public agencies an opportunity to join with their state and federal colleagues in navigating the complexities of the Federal-Aid program and successfully delivering projects. This video provides an overview of the Ohio experiences in establishing their program and should be of interest to anyone interested in implementing a similar program in their state.

Location:

https://youtu.be/AnvZlKK9ncA

REGIONAL MODELS OF COOPERATION

Run Time: 1 min. 45 sec.

Description:

Overview of the Regional Models of Cooperation Innovation.

Location:

https://youtu.be/ciSfGgSgAq0

ROAD DIETS: A PROVEN SAFETY COUNTERMEASURE (SHORT VERSION) 2016

Run Time: 3 min. 50 sec.

Description:

A Road Diet is a roadway reconfiguration that increases safety and livability at a low cost. Implementing Road Diets improves mobility and accessibility for all users, including pedestrians and bicyclists.

Location:

https://youtu.be/m_xTUCPWG78

ROAD DIETS: A PROVEN SAFETY COUNTERMEASURE (LONG VERSION) 2016

Run Time: 7 min. 42 sec.

Description:

A Road Diet is a roadway reconfiguration that increases safety and livability at a low cost. Implementing Road Diets improves mobility and accessibility for all users, including pedestrians and bicyclists.

Location:

https://youtu.be/n3ucpaCigig

Videos

ULTRA-HIGH PERFORMANCE CONCRETE: A ROBUST SOLUTION FOR HIGHWAY INFRASTRUCTURE

Run Time: 4 min. 54 sec.

Description:

Engineers are using ultra-high performance concrete, or UHPC, to design bridges that are more constructible, durable, and resilient. This video highlights the mechanical and durability properties of UHPC compared to conventional concrete and shows it in use on bridge construction projects in New York and Minnesota.

Location:

https://youtu.be/xH0LTG5i5jw

RESTORING THE SKAGIT RIVER BRIDGE: SLIDE-IN BRIDGE CONSTRUCTION 2014

Run Time: 9 min. 7 sec.

Description:

emember when that bridge got knocked down in Washington State? Here's the back-story of how the Washington State DOT and FHWA worked together to quickly restore service to the area, and used two Every Day Counts innovations in the process.

Location:

https://youtu.be/u65tmiMYxfw

SHRP2 TIM TRAINING

Run Time: 6 min. 3 sec.

Description:

This video provides an overview of Traffic Incident Management Training.

Location:

https://youtu.be/_ZU16dG55Tk

THE FHWA 2015 R&T STORY: RESEARCH AND INNOVATIVE SOLUTIONS FOR THE NATION'S HIGHWAY CHALLENGES

Run Time: 5 min. 41 sec.

Description:

A century ago, research and technology (R&T) played a primary role and led to the conversion of unpaved to paved roads with asphalt and concrete pavement materials, an innovation that led to greater and safer mobility on our Nation's highways. Today, as in the past, researchers and inventors continue to develop innovations and solutions to transportation challenges.

Location:

https://youtu.be/M023cpmzQ6s

CENTER FOR
ACCELERATING INNOVATION

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