

**PowerPoint Presentation Links**

* HOP-24-P006\_FHWA Solar Eclipse Slides\_Presentation\_v2 presentation:
  + David Johnson, Managing Disruptions to Operations Team Lead (FHWA) & Dr. Kelly Korreck, Program Manager for the 2024 Solar Eclipse (National Aeronautics and Space Administration (NASA)) section:
    - April 8, 2024, Total Solar Eclipse slide:
      * Source: <https://science.nasa.gov/eclipses/future-eclipses/eclipse-2024/where-when>
    - Why it matters for transportation operations slide:
      * Source: <https://onlinepubs.trb.org/onlinepubs/trnews/trnews317eclipse.pdf>
    - 2017 solar eclipse: lessons learned and potential effects slide:
      * Source: <https://onlinepubs.trb.org/onlinepubs/trnews/trnews317eclipse.pdf>
    - What is a Total Solar Eclipse slide:
      * <https://science.nasa.gov/eclipses/>
    - Safe indirect viewing methods slide:
      * <https://nasa3d.arc.nasa.gov/detail/usa-eclipse-2023> OR <https://nasa3d.arc.nasa.gov/detail/usa-eclipse-2024>
    - Spanish & Multilingual Resources slide:
      * Spanish web content: <https://ciencia.nasa.gov/sistema-solar/>
    - Solar eclipse science slide:
      * Code: <https://go.nasa.gov/3JnKx9q>
    - NASA SunSpots slide:
      * [go.nasa.gov/Eclipse](file:///C:/Users/52857/AppData/Local/Microsoft/Windows/INetCache/Content.Outlook/APR08NYT/go.nasa.gov/Eclipse)
    - Images slide toward the end:
      * Heliophysics Education Activation Team (NASA HEAT) - <https://science.nasa.gov/science-activation-team/nasa-heliophysics-education-activation-team>
      * Eclipse Ambassadors - <https://science.nasa.gov/science-activation-team/eclipse-ambassadors-off-the-paths>
      * Navigating the Path of Totality - <https://science.nasa.gov/science-activation-team/exploratorium>
      * The Eclipse Soundscapes Citizen Science Project - <https://science.nasa.gov/science-activation-team/eclipse-soundscapes>
      * Earth to Sky (ETS) - <https://science.nasa.gov/science-activation-team/earth-to-sky>
      * Science Through Shadows - <https://science.nasa.gov/science-activation-team/science-through-shadows>
      * Eclipse Ballooning - <https://science.nasa.gov/science-activation-team/nationwide-eclipse-ballooning-project>
      * <https://science.nasa.gov/learners/science-activation-teams>
    - Last slide:
      * [www.nasa.gov](http://www.nasa.gov)
  + Laurel J. Radow
    - Fast Track: information you can Use
      * AAS Eclipse main webpage - <https://eclipse.aas.org/>
      * AAS resource page - <https://eclipse.aas.org/resources>
      * Information of special interest - <https://eclipse.aas.org/information-for>
      * Eclipse-related resources available: <https://eclipse.aas.org/about-us>
      * Domestic Preparedness Journal eclipse articles:
        + <https://www.domesticpreparedness.com/articles/eclipses-again-will-darken-the-sky-in-2023-and-2024>
        + <https://domesticpreparedness.com/articles/planning-for-a-cross-country-special-event>
      * National Operations Center of Excellence webinar – 2018 <https://transportationops.org/ondemand-learning/coming-next-planning-2024-solar-eclipse-incorporating-lessons-learned-2017-solar>
      * US Department of Health and Human Services - <https://files.asprtracie.hhs.gov/documents/aspr-tracie-solar-eclipse-resources.pdf>
    - Preparing the public:
      * Know the weather and traffic conditions - <https://ops.fhwa.dot.gov/511/>
    - More Resources:
      * FHWA Office of Operations publications list - <https://ops.fhwa.dot.gov/publications/publications.htm>
      * Planned Special Events - [https://ops.fhwa.dot.gov/publications/publications.htm#pse](https://ops.fhwa.dot.gov/publications/publications.htm)
      * Planned Special Events - Checklists for Practitioners - <https://ops.fhwa.dot.gov/publications/psechecklists/index.htm>
      * National Special Security Events: Transportation Planning for Planned Special Events <https://ops.fhwa.dot.gov/publications/fhwahop11012/fhwahop11012.pdf>
      * Tabletop Exercise Instructions for Planned Events and Unplanned Incidents/Emergencies - <https://ops.fhwa.dot.gov/publications/fhwahop15004/fhwahop15004.pdf>
    - Thank you:
      * Laurie Radow at [lradow2@gmail.com](mailto:lradow2@gmail.com)
  + Jawad Paracha, Work Zone Management Program Lead (FHWA) & Chris Engelbrecht, Safety and Emergency Management Division Director (Missouri DOT) section:
    - Work Zone Resources for the Total Solar Eclipse slide:
      * Work Zone Traffic Management program website: <https://ops.fhwa.dot.gov/wz/traffic_mgmt/index.htm>
      * Smart Work Zones: <https://workzonesafety.org/topics-of-interest/smart-work-zones>
      * Transportation Management Plans: <https://workzonesafety.org/topics-of-interest/transportation-management-plans/>
      * Example TMP Arkansas: <https://www.ardot.gov/wp-content/uploads/10.11.2023-Solar-Eclipse-TMP-LR2.pdf>
      * ODOT Traffic Engineering Manual: [https://www.transportation.ohio.gov/working/engineering/roadway/manuals-standards/tem/06#642PLANNOTES](https://www.transportation.ohio.gov/working/engineering/roadway/manuals-standards/tem/06)
    - Christopher.Engelbrecht@modot.mo.gov
  + Joe Tebo, Traffic Incident Management Team (FHWA) & Robin Helmerichs, Traffic Incident Management Coordinator (Illinois DOT) section:
    - <https://www.fcc.gov/general/government-emergency-telecommunications-service>
    - Available training:
      * In-Person Classroom Training: <https://ops.fhwa.dot.gov/tim/training/index.htm>
      * TIM Training: [bit.ly/TIMWebTraining](file:///C:/Users/52857/AppData/Local/Microsoft/Windows/INetCache/Content.Outlook/APR08NYT/bit.ly/TIMWebTraining)
      * Emergency Responder Safety Institute training: <https://learning.respondersafety.com/>
    - Paul Jodoin contact info: [Paul.Jodoin@dot.gov](mailto:Paul.Jodoin@dot.gov) & Jim Austrich contact info: [James.Austrich@dot.gov](mailto:James.Austrich@dot.gov) & Joe Tebo contact info: [Joseph.Tebo@dot](mailto:Joseph.Tebo@dot.gov)
  + FHWA – Office of International Programs:
    - [stephen.kern@dot.gov](mailto:stephen.kern@dot.gov) & [felicia.wolf@dot.gov](mailto:felicia.wolf@dot.gov)
  + International Border Eclipse Preparation — Athena M. Hutchins, P.E., Niagara International Transportation Technology Coalition presentation:
    - <http://www.nittec.org>
    - [www.nittec.ca](http://www.nittec.ca)
    - [ahutchins@nittec.org](mailto:ahutchins@nittec.org)
    - 716-847-2450
  + David Johnson, Managing Disruptions to Operations Team Lead (FHWA) section:
    - Manual on Uniform Traffic Control Devices for Streets and Highways Compliant Messaging slide:
      * Toni Whitfield email: [toni.whitfield@dot.gov](mailto:toni.whitfield@dot.gov)
      * Codes:
        + <https://mutcd.fhwa.dot.gov/resources/interpretations/2_09_174.htm>
        + <https://mutcd.fhwa.dot.gov/pdfs/11th_Edition/part6.pdf>
    - Available resources (1 of 2) slide:
      * Planned Special Events: Capability Maturity Framework Tool: <https://ops.fhwa.dot.gov/tsmoframeworktool/available_frameworks/planned_events.htm>
      * Managing Travel for Planned Special Events: Final Report: <https://ops.fhwa.dot.gov/publications/fhwaop04010/handbook.pdf>
      * Traffic Management for Planned Special Events: <https://ops.fhwa.dot.gov/tim/about/pse.htm>
      * Intelligent Transportation Systems for Planned Special Events: A Cross-Cutting Study: <https://rosap.ntl.bts.gov/view/dot/3255>
      * Collaboration Across the Road Weather Enterprise: The Pathfinder Project: <https://ops.fhwa.dot.gov/publications/fhwahop16086/fhwahop16086.pdf>
      * Weather-Savvy Roads: Colorado’s Pathfinder Process: <https://ops.fhwa.dot.gov/publications/fhwahop18028/fhwahop18028.pdf>
      * Preparing for a Solar Eclipse: <https://ops.fhwa.dot.gov/publications/fhwahop22072/fhwahop22072.pdf>
      * Weather-Savvy Roads: Wyoming Department of Transportation Total Solar Eclipse: <https://ops.fhwa.dot.gov/publications/fhwahop18033/fhwahop18033.pdf>
      * Advancing Practices for Localized Traffic Analysis and Work Zone Management During Voting Events: <https://ops.fhwa.dot.gov/program_areas/votingevents.htm>
      * NOCoE 2024 solar eclipse planning webinar presentations (delivered on April 19, 2022):
        + NASA’s overview of eclipses: <https://www.youtube.com/watch?v=JCSPNrNxYzA>
        + FHWA’s planning for the 2024 solar eclipse: <https://www.youtube.com/watch?v=d-lMF-Rdaws>
        + Ohio’s emergency management preparations: <https://www.youtube.com/watch?v=8ClEZGpQh0w>
    - Available resources (2 of 2) slide:
      * NOCoE: Solar Eclipse Resources: <https://transportationops.org/eclipse>
      * NASA: solar eclipse information and resources: <https://solarsystem.nasa.gov/eclipses/home/>
      * American Astronomical Society: solar eclipses: <https://eclipse.aas.org/>
      * Great American Eclipse®: solar eclipses: <https://www.greatamericaneclipse.com/>
      * David Johnson email: [David.Johnson@dot.gov](mailto:David.Johnson@dot.gov)

**Rapid Fire Presentation**

* Integrated Modeling for Road Condition Prediction (IMRCP): Road Weather Management Program Intro:
  + IMRCP documentation and code: <https://github.com/OSADP/IMRCP>
  + IMRCP publications: <https://ops.fhwa.dot.gov/weather/resources/publications.htm>
  + Jawad Paracha contact info: [Jawad.Paracha@dot.gov](mailto:Jawad.Paracha@dot.gov) & David Johnson contact info: [David.Johnson@dot.gov](mailto:David.Johnson@dot.gov)
* Weather Data Environment (WxDE): Road Weather Management Program:
  + Project activities: [https://wxde.fhwa.dot.gov](https://wxde.fhwa.dot.gov/) and for more info: <https://ops.fhwa.dot.gov/weather>
  + David Johnson contact info: [David.Johnson@dot.gov](mailto:David.Johnson@dot.gov)
* Pathfinder: Road Weather Management Program:
  + Project activities: [https://ops.fhwa.dot.gov/weather/resources/  
    publications.htm](https://ops.fhwa.dot.gov/weather/resources/publications.htm)
  + David Johnson contact info: [David.Johnson@dot.gov](mailto:David.Johnson@dot.gov) & Jeremy McGuffey contact info: [Jeremy.McGuffey@dot.gov](mailto:Jeremy.McGuffey@dot.gov)
* Adaptive Route Optimization (ARO): Road Weather Management Program:
  + Project activities: [https://ops.fhwa.dot.gov/weather/resources/  
    publications.htm](https://ops.fhwa.dot.gov/weather/resources/publications.htm)
  + David Johnson contact info: [David.Johnson@dot.gov](mailto:David.Johnson@dot.gov)
* Publications: Road Weather Management Program:
  + GovDelivery: <https://public.govdelivery.com/accounts/usdotfhwa/subscribers/new>
  + For more information: [https://ops.fhwa.dot.gov/weather/  
    resources/publications.htm](https://ops.fhwa.dot.gov/weather/resources/publications.htm)
  + Jeremy McGuffey contact info: [Jeremy.McGuffey@dot.gov](mailto:Jeremy.McGuffey@dot.gov)
* Planned Special Events:
  + For more information: <https://ops.fhwa.dot.gov/tim/about/pse.htm>
  + David Johnson contact info: [David.Johnson@dot.gov](mailto:David.Johnson@dot.gov)
* Every Day Counts Round 4 (EDC-4) Integrating Mobile Observations (IMO):   
  Road Weather Management Program:
  + Project activities:
    - Resources: <https://ops.fhwa.dot.gov/weather/resources/publications.htm>
    - Mobile observations from IMO activities: [https://wxde.fhwa.dot.gov](https://wxde.fhwa.dot.gov/)
    - David Johnson contact info: [David.Johnson@dot.gov](mailto:David.Johnson@dot.gov)
* Every Day Counts Round 5 (EDC-5) Weather-Responsive Management Strategies: Road Weather Management Program:
  + Resources: <https://ops.fhwa.dot.gov/weather/resources/publications.htm>
  + The EDC-5 final report: <https://www.fhwa.dot.gov/innovation/everydaycounts/reports/edc5_finalreport.pdf>
  + David Johnson contact info: [David.Johnson@dot.gov](mailto:David.Johnson@dot.gov)
* Every Day Counts Round 6 (EDC-6) Crowdsourcing for Advancing Operations:
  + Project activities:
    - web page: <https://ops.fhwa.dot.gov/crowdsourcing>
    - For more information: <https://www.fhwa.dot.gov/innovation/everydaycounts/edc_6/crowdsourcing.cfm>
    - James Colyar contact info: [James.Colyar@dot.gov](mailto:James.Colyar@dot.gov) & Greg Jones contact info: [GregM.Jones@dot.gov](mailto:GregM.Jones@dot.gov) & Ralph Volpe contact info: [Ralph.Volpe@dot.gov](mailto:Ralph.Volpe@dot.gov)
* Every Day Counts Round 7 (EDC-7) Traffic Incident Management (TIM):  
  Traffic Incident Management Program:
  + Paul Jodoin contact info: [Paul.Jodoin@dot.gov](mailto:Paul.Jodoin@dot.gov) & Jim Austrich contact info: [James.Austrich@dot.gov](mailto:James.Austrich@dot.gov) & Joe Tebo contact info: [Joseph.Tebo@dot](mailto:Joseph.Tebo@dot.gov)
* Electric Vehicle Fires and Traffic Incident Management Project: Traffic Incident Management Program:
  + Joe Tebo contact info: [Joseph.Tebo@dot](mailto:Joseph.Tebo@dot.gov)
* Use and Effectiveness of Speed Safety Cameras (SSCs) in Work Zones: Work Zone Management Program:
  + Project activities:
    - Safety Administration (NHTSA) SSC guide: [https://highways.dot.gov/sites/fhwa.dot.gov/files/Speed Safety Camera Program Planning and Operations Guide 2023.pdf](https://highways.dot.gov/sites/fhwa.dot.gov/files/Speed%20Safety%20Camera%20Program%20Planning%20and%20Operations%20Guide%202023.pdf)
    - Martha Kapitanov contact info: [Martha.Kapitanov@dot.gov](mailto:Martha.Kapitanov@dot.gov)
* National Work Zone Awareness Week (NWZAW): Work Zone Management Program:
  + For more information: [https://www.nwzaw.org](https://www.nwzaw.org/)
  + Martha Kapitanov contact info: [Martha.Kapitanov@dot.gov](mailto:Martha.Kapitanov@dot.gov)
* National Work Zone Safety Information Clearinghouse: Work Zone Management Program:
  + Work zone safety info: [https://workzonesafety.org](https://workzonesafety.org/).
  + Martha Kapitanov contact info: [Martha.Kapitanov@dot.gov](mailto:Martha.Kapitanov@dot.gov)
* Crash Responder Safety Week: Traffic Incident Management Program:
  + Text derived from: <https://ops.fhwa.dot.gov/tim/crash_responder.htm>
  + Paul Jodoin contact info: [Paul.Jodoin@dot.gov](mailto:Paul.Jodoin@dot.gov) & Jim Austrich contact info: [James.Austrich@dot.gov](mailto:James.Austrich@dot.gov) & Joe Tebo contact info: [Joseph.Tebo@dot](mailto:Joseph.Tebo@dot.gov)
* Managing Disruptions to Operations Data Exchange (MDODE) (1/2):
  + David Johnson contact info: [David.Johnson@dot.gov](mailto:David.Johnson@dot.gov) & Todd Peterson contact info: [Todd.Peterson@dot.gov](mailto:Todd.Peterson@dot.gov)
* Example Changeable Message Sign (CMS) Messaging for the Total Solar Eclipse:
  + Toni Whitfield contact info: [toni.whitfield@dot.gov](mailto:toni.whitfield@dot.gov)
* We would love to hear from you!
  + David Johnson contact info: [David.Johnson@dot.gov](mailto:David.Johnson@dot.gov)