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| Project Title | Exercise Handbook: What Transportation Security and Emergency Preparedness Leaders Need to Know to Improve Emergency Preparedness (Former title: Handbook: What Transit Security Leaders Need to Know to Improve Emergency Preparedness) |
| University | San José State University Mineta National Transit Research Consortium |
| Principal Investigator | Frances L. Edwards, MUP, Ph.D., CEM |
| PI Contact Information | Department of Political Science San Jose State University One Washington Square San Jose, CA 95192 Kc6thm@yahoo.com 408-252-3774 |
| Funding Source(s) and Amounts Provided (by each agency or organization) | Research and Innovative Technology Administration University Transportation Centers Program (\$30,791) California Department of Transportation Office of Research—MS42 (\$30,791) |
| Total Project Cost | \$61,582 |
| Agency ID or Contract Number | DTRT12-G-UTC21 |
| Start and End Dates | June 2012 – February 2014 |
| Brief Description of Research Project | The U.S. Department of Homeland Security (DHS) has provided extensive general guidance on developing training and exercise programs for public entities, but little had been done to focus that material on the transportation sector specifically. Transportation sector emergency managers have noted that there should be specific guidance for developing exercises that are focused on the operational work of their agencies, in addition to the Logistics Section functions that are usually the focus of transportation sector entities in multi-agency, multi-jurisdiction exercises. The first section of his report provides information on federal training and exercise requirements for transportation sector entities. It summarizes the changes to emergency management programs and requirements that grew out of the Presidential Policy Directive-8 (PPD-8) issuance in early 2011, and the challenges of adult training. The second section is a Homeland Security Exercise and Evaluation Program (HSEEP)-compliant practical handbook using the project management approach that guides transportation sector staff in the creation, development, implementation and wrap-up of federally mandated exercises. It includes scenarios and implementation guidance based on the |

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| | actual experiences and work of the transportation sector. |
| Describe Implementation of Research Outcomes (or why not implemented) | <p>Edwards, Frances. "Current Research on the Need for an Exercise Handbook for the Transportation Sector." Presentation at the 38th Annual Natural Hazards Research and Applications Workshop, Broomfield, CO, July 13, 2013.</p> <p>Edwards, Frances. "Emergency Management and the Role of Transportation." Presentation at the Metropolitan College, New York City, NY, May 31, 2013.</p> <p>Edwards, Frances. "Unfolding FEMA Documents from PPD-8." Presentation at the American Society for Public Administration (ASPA), Washington, DC, March 15, 2014.</p> <p>Edwards, Frances. "Exercise Handbook: What Transportation Security and Emergency Preparedness Leaders Need to Know to Improve Emergency Preparedness." Presentation at the American Public Transportation Association Research & Technology Strategic Plan WebEx Meeting, San Jose, CA, May 6, 2014.</p> <p>Edwards, Frances. "Resiliency in the Face of Disaster." Presentation at the Women in Transportation Seminar, Portland, OR, May 15, 2014.</p> <p>Edwards, Frances. "Improving Emergency Preparedness: Assisting the SJSU Police Department with an Active Shooter Exercise." Presentation at the San Jose State University King Library Full Scale Exercise, San Jose, CA, July 25, 2014.</p> <p>Edwards, Frances. "Incident Command System for Transportation Field Forces." Presentation at the Special Committee on Transportation Security and Emergency Management, San Diego, CA, October 28, 2014.</p> <p>Edwards, Frances. "Developing Transportation Exercises: An Outcome and Task-Oriented Training Approach." Presentation at the Santa Clara County Emergency Manager's Association Meeting, Santa Clara, CA, December 18, 2014.</p> <p>Edwards, Frances. "Exercise Handbook." Presentation at the 41st Annual Natural Hazards Research and Applications Workshop, Broomfield, CO, July 11, 2016.</p> |

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| <p>Place Any Photos Here</p> |  <p style="text-align: center;">Fire Extinguisher Use Drill</p> |
| <p>Impacts/Benefits of Implementation (actual, not anticipated)</p> | |
| <p>Web Links</p> <ul style="list-style-type: none"> • Reports • Project Website | <p>Final report (MNTRC Website): http://transweb.sjsu.edu/project/1103.html</p> <p>Final report (TRB Website): http://trid.trb.org/view/2014/M/1301999</p> |