### **Transit Cooperative Research Program**

Sponsored by the Federal Transit Administration

# RESEARCH RESULTS DIGEST

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VI Public Transit

### A Guide to Public Transportation Security Resources

This digest provides a listing of available or soon-to-be-available resources through various public transportation systems, organizations, associations, institutions, and other venues. It was prepared for TCRP Project J-10(3), "A Guide to Public Transportation Security Resources." This digest was prepared by McCormick, Taylor & Associates, Inc. (MTA) and authored by John N. Balog, Principal Investigator, and Jamie Beth Strongin.

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### INTRODUCTION

Since the attacks of September 11, 2001, public transportation systems across the nation have assessed and upgraded their security functions and capabilities. As a result, the transportation industry has produced an abundance of security-related resources, such as training courses and materials, guides, manuals, reports, projects, programs, seminars, and conferences.

The Transit Cooperative Research Program (TCRP) has recognized the need to organize this collective knowledge in a straightforward fashion. A Guide to Public Transportation Security Resources (Guide) lists many of the resources recently made available to public transportation systems across the United States. Transportation providers can now easily acquire and learn from these resources.

### **KEY PLAYERS**

Numerous initiatives are underway to produce quality training courses and research-based materials concerning security in the public transportation industry. Leading actors involved in these recent transit security initiatives are the Federal Transit Administration (FTA) and the American Public Transportation Association (APTA). The FTA and APTA have produced many valuable security resources, a number of them through specific security-related TCRP projects.

Shortly after September 11, the APTA executive committee formed a Security Task Force (STF) under the leadership of Richard A. White, CEO of the Washington Metropolitan Area Transit Authority (Metro). The STF prioritized the direction for APTA's initiatives, including serving as the steering group for determining security projects implemented by more than \$2 million in TCRP funding.

Recent transportation security training programs and publication resources also have been produced by the following organizations:

- American Association of State Highway & Transportation Officials (AASHTO);
- Federal Highway Administration (FHWA);
- Federal Motor Carrier Safety Administration (FMCSA); and
- United States Department of Transportation (USDOT).

These four entities also support specific security-related research in the National Cooperative Highway Research Program (NCHRP) and the Commercial Truck and Bus Safety Synthesis Program (CTBSSP).

For instance, AASHTO formed its own STF, which steered \$2.25 million in FY2002/2003 NCHRP projects. AASHTO's STF, chaired by Missouri Department of Transportation (DOT) Director Henry Hungerbeeler, was formed to coordinate the assessment of state security needs and the development of guidelines for hardening security at key transportation infrastructure.

The Transportation Research Board (TRB) manages the TCRP, NCHRP, and CTBSSP research programs on behalf of their sponsors.

Other producers of important resources in the transportation security arena include the Transportation Safety Institute (TSI), FTA-funded transit programs at the USDOT, and the FTA-funded National Transit Institute (NTI), based out of Rutgers, The State University of New Jersey. The Intermodal Surface Transportation Efficiency Act of 1991 (ISTEA) established NTI in order to support the national training and development needs of the public transportation industry.

The Transportation Security Administration (TSA) is developing surface transportation security resources. The Aviation and Transportation Security Act (ATSA) of November 19, 2001, established TSA within the US DOT. It moved to the Department of Homeland Security in March 2003.

### FTA MULTI-PRONGED APPROACH

Since September 11, FTA has moved forward with security program initiatives, which provide context, as well as substantive information, for developing scalable guidelines in the areas of

- Access management and credentialing,
- Transportation design and infrastructure,
- Systems integration,
- Bus vehicle security systems,
- Rail vehicle security systems, and
- Communications.

FTA has established relationships and is working with USDOT's Research and Special Programs Administration (RSPA) and USDOT's John A. Volpe National Transportation Systems Center (Volpe) to accomplish initiatives in each of these focus areas. Trade associations, such as APTA and the Community Transportation Association of America (CTAA), have also adopted a comprehensive approach to transportation security and have coordinated with FTA on numerous projects.

FTA-sponsored projects began under an aggressive five-part initiative to enhance the security

of the nation's public transportation systems and help public transportation agencies cope with new threats, emphasizing

- Assessment,
- Planning,
- Testing,
- · Training, and
- Technology.

These five approaches have been outlined and addressed by specific projects.

For instance, at the close of 2001, FTA began to deploy expert security assessment teams to the 32 largest transit systems in the United States. The teams used proven threat and vulnerability assessment methodologies to assess the security gaps in high-consequence assets owned by the systems. They also made specific recommendations for reducing risks to acceptable levels.

On the planning side, FTA took the TCRP update of two recent FTA publications, adapted to FTA's priorities, and in January 2003 posted on the FTA website the *Public Transportation System Security and Emergency Preparedness Planning Guide*.

To satisfy the training element of its multipronged approach, FTA launched a series of conferences titled Connecting Communities: Emergency Preparedness and Security Regional Forums. These regional forums began in May 2002 in Orlando, Florida, and continued on to 16 additional cities across the country. The forums are designed to educate mid-size transit agency management and security personnel, police and fire personnel responsible for emergency management coordination, emergency medical services and hospital disaster relief facilitators, and state and local government emergency management coordinators.

In addition, FTA, through NTI, sponsors the development and delivery of two transit-specific training courses for front-line employees and supervisors—"System Security Awareness and "Security Transit Employees" Management for Transit Supervisors." These courses and the accompanying materials are available to transit organizations free of charge through NTI. They were designed specifically for the transit industry in cooperation with federal agencies, including FTA, FAA, and the FBI; transit agencies; labor unions; and security professionals.

### APTA SECURITY INITIATIVES

Prior to the attacks of September 11, APTA was already familiar with establishing security-related programs and activities. APTA had formed a

standing committee on transit security called the Committee on Public Safety. Other groups within APTA, such as the Rail Safety Committee and Bus Safety Committee, also supported the similar security functions of information sharing and resource development of emergency response preparedness activities.

In addition to these earlier, ongoing initiatives, the September 11 acts of terrorism prompted APTA's Executive Committee to immediately form its current STF. Projects sponsored through TCRP have included an International Transit Associations Security Summit and projects in the categories of Prevention and Mitigation and Preparedness and Response.

Other current and ongoing security issues addressed by the APTA Executive Committee STF include the industry's need for effective security intelligence information and the implementation of expected TSA requirements for a national Transportation Worker Identification Credential (TWIC) for transit employees who work in secure areas.

Earlier this year, USDOT designated APTA as Sector Coordinator to promote physical and cyber security for the public transportation industry. Under a grant from FTA, APTA has retained counterterrorism and intelligence community experts to operate the Information Sharing and Analysis Center (ISAC) for the sharing of security-related intelligence information among various decision-making transportation entities.

### TRB SECURITY RESEARCH

From within the National Academies, TRB has coordinated security-related research on behalf of FTA and APTA through TCRP, and on behalf of AASHTO and FHWA through NCHRP. TCRP and NCHRP are applied, contract research programs that develop near-term, practical solutions to problems facing transportation agencies.

The objective of TCRP's and NCHRP's major security-related endeavors, Projects J-10 and 20-59, respectively, is to provide flexible, ongoing, quick-response research on transportation issues related to emergency incident prevention, preparedness, response, and recovery, paying particular attention to potential terrorist threats. Project listings are found in Tables 1 and 2.

Additionally, TRB and FMCSA collaborated to create the Commercial Truck and Bus Safety Synthesis Program (CTBSSP). This new research effort was authorized in late 2001 and began in 2002 in support of the FMCSA's safety research programs.

The CTBSSP initiates three to four synthesis studies annually that address concerns in the area of commercial truck and bus safety. A synthesis report is a relatively short document (40 to 60 pages) that summarizes existing practice in a specific technical area based typically on a literature search and a survey of relevant organizations (e.g., state DOTs, enforcement agencies, commercial truck and bus companies, or other organizations appropriate for the specific topic).

Many new resources are available or under development through the cooperative research programs. The TRB Transportation System Security website brings together much of this information. It includes links to related websites that contain discussions of issues, actions that can be taken, guidance, and training opportunities. The TRB Transportation System Security website is sponsored by the TRB Committee on Critical Transportation Infrastructure Protection and is updated regularly.

### ORGANIZATION OF THIS GUIDE

Many organizations, such as the ones mentioned above, have already invested available funds to develop quality security-related training courses and research projects. Others are still completing the development of security resources intended for use by the transportation industry. Most of these valuable resources, both completed and in process, are identified throughout this Guide.

Tables 1 and 2 are provided for reference. Table 1 provides information on available training; Table 2 provides information on research conducted. Organizations are listed alphabetically.

### **Table 1: Training Institutions**

Table 1 lists organizations, such as universities, associations, government groups, and other institutions that have delivered and provided courses

and training sessions on public transportation security topics. Table 1 is not intended to be a comprehensive list of the institutions and companies offering security-related public transportation training courses and programs. However, the information presented in Table 1 is representative of the type of security training currently available to public transportation systems.

For more information, readers may also want to visit the following websites:

- ◆ APTA Public Transportation Security Issues: apta.com/services/security
- ♦ FHWA Operations Security: ops.fhwa.dot.gov/OpsSecurity
- ◆ FTA Transit Security: <u>www.transit-safety.volpe.dot.gov/Security</u>
- ◆ TRB Transportation System Security: <u>www4.trb.org/trb/homepage.nsf/web/security</u>
  - TCRP Public Transportation Security
    Research:
     <u>www4.trb.org/trb/crp.nsf/All+Projects/TCR</u>
    P+J-10
  - NCHRP Surface Transportation Security Research:
     www4.trb.org/trb/crp.nsf/All+Projects/NCH RP+20-59
- ◆ TSA: <u>www.tsa.gov</u>

TABLE 1 Security training sponsors and institutions

SPONSOR: American Association of State Highway and Transportation Officials (AASHTO)

INSTITUTION:

AASHTO in conjunction with the National Highway Institute (NHI)

**CONTACT INFORMATION:** Dr. Anthony R. Kane (Tony)

Director, Engineering and Technical Services

444 N. Capitol Street, NW, Suite 249

Washington, DC 20001

202-624-5812, f. 202-624-5469

akane@aashto.org

www.transportation.org/aashto/home.nsf

TITLE/AVAILABILITY:

Transportation Security Course/2003

Also see NCHRP and NTI for other courses sponsored and co-sponsored by AASHTO.

APTA

SPONSOR: American Public Transportation Association (APTA)

INSTITUTION:

CONTACT INFORMATION:

Vivienne Williams

vivienne williams

1666 K Street, NW, Suite 1100

Washington, DC 20006

202-496-4857, f. 202-496-4331

vwilliams@apta.com

www.apta.com/

TITLE/AVAILABILITY:

Risk Management Seminar

Also see TCRP and FLETC for other courses sponsored and co-sponsored by APTA.

SPONSOR: Bay Area Rapid Transit (BART)

**INSTITUTION:** 

BART

CONTACT INFORMATION:

See below

TITLE/AVAILABILITY: • ACT Program – Security Awareness Training for Front-Line Operations

Employees and Managers/2002

Melissa Miller Marketing, BART 800 Madison Street Oakland, CA 94604 510-464-7161 mmiller@bart.gov

Nuclear, Biological, and Chemical (NBC) Training for Front-Line

Employees/by written request

Anthony Cooper

Digital Media Employee Development Specialist, BART

150 Sandoval Way, HTC Building #2

Hayward, CA 94544 510-476-3725

ACooper@bart.gov

SPONSOR: Community Transportation Association of America (CTAA)

ORGANIZATION: CTAA

CONTACT INFORMATION: Scott Bogren

Associate Director of Communications

1341 G Street, NW, 10<sup>th</sup> Floor Washington, DC 20005

202-661-0204, f. 202-737-9197

bogren@ctaa.org www.ctaa.org

TITLE /AVAILABILITY: Emergency Evacuation Workshop

SPONSOR: Federal Emergency Management Agency (FEMA)

INSTITUTION: FEMA

CONTACT INFORMATION: 500 C Street, SW Washington. DC 20472

202-566-1600

webmaster@fema.gov www.fema.gov/

TITLE/AVAILABILITY: • Emergency Responders Courses/2002

• Terrorism Training and Resources/2002

SPONSOR: Federal Highway Administration (FHWA)

**INSTITUTION:** National Highway Institute (NHI)

CONTACT INFORMATION: Rick Barnaby, Team Leader of State Programs, and

Danielle Mathis-Lee, NHI Scheduler

Arlington Center Building 4600 N Fairfax Drive, Suite 800

Arlington, VA 22203

703-235-0528, f. 703-235-0593 nhi.scheduler@fhwa.dot.gov www.nhi.fhwa.dot.gov

TITLE/AVAILABILITY:

• Incident Management Course/2002

• Transportation Security Course/2003

SPONSOR: Federal Law Enforcement Training Center (FLETC)

INSTITUTION: FLETC Security Specialties Division
CONTACT INFORMATION: Federal Law Enforcement Training Center

Building 67, Glynco, GA 31524

www.fletc.gov

 Susan Davis, Program Specialist 912-267-3186, f. 912-267-3114

sdavis@fletc.treas.gov

• Training Admissions Specialist (federal)
Training and Analysis Coordination Division

912-267-2421

pjnewman@fletc.treas.gov

Training Technician (state and local)
 Office of State and Local Training

912-261-4522

aharper@fletc.treas.gov

### TITLE/AVAILABILITY:

- Critical Incident Response Training Program (CIRTP)/2002
- Critical Infrastructure Protection Training Program (CIPTP)/2002
- Crisis Management Training Program (CMTP)/2002
- Land Transportation Antiterrorism Training Program (LTATP)/2002
- Law Enforcement Media Relations Training Program (LEMRTP)/2002
- Physical Security Training Program (PSTP)/2002
- Seaport Security Antiterrorism Training Program (SSATP)/2002
- Weapons of Mass Destruction Training Program (WMDTP)/2002

Contact FLETC for a current schedule.

These training courses are considered to be law enforcement sensitive by the FLETC and are only available to personnel sponsored by a federal law enforcement agency.

### SPONSOR:

### Federal Transit Administration (FTA)

### **INSTITUTION:**

FTA

**CONTACT INFORMATION:** 

400 Seventh Street, SW

Washington, DC 20590

www.fta.dot.gov

• Harry Saporta

Office of Safety & Security 202-366-2233, f. 202-366-4380 harry.saporta@fta.dot.gov

• Michael Taborn 202-366-3526

Michael.Taborn@fta.dot.gov

TITLE/AVAILABILITY:

Connecting Communities: Emergency Preparedness and Security Forums/2002

Also see TRB (TCRP), APTA, CTAA, NTI, TSI, Volpe, and others for additional courses sponsored and co-sponsored by FTA.

### **SPONSOR:**

### Cambria County Transit Authority (CCTA or CamTran)

### **INSTITUTION:**

CCTA or CamTran

**CONTACT INFORMATION:** 

For video and workbook materials, contact:

James Parks

Director of Operations, CamTran

726 Central Avenue Johnstown, PA 15902 814-535-5526, ext. 214 jparks726@hotmail.com

- Introduction to Urban Transit Bus Accident Experience: Emergency and Accident Procedures Training
- Emergency and Accident Procedures Training for the Neoplan Corporation Urban Transit Bus
- Emergency and Accident Procedures Training for the Flxible Corporation Urban Transit Bus
- Emergency and Accident Procedures Training for the GMC/RTS Corporation Transit Bus

**SPONSOR:** Institute for Catastrophic Loss Reduction (ICLR) INSTITUTION: **ICLR CONTACT INFORMATION:** info@iclr.org www.iclr.org Toronto office 151 Yonge Street, Suite 1900 Toronto, Canada M5C 2W7 416-362-6112, f. 416-361-5952 London office 1389 Western Road London, Canada N6A 5B9 519-661-3234, f. 519-661-4273 TITLE/AVAILABILITY: Dealing with Disasters (Workshop)/2002 National Transit Institute (NTI) **SPONSOR: INSTITUTION:** NTI **CONTACT INFORMATION:** Renee Haider and Chris Kozub Assistant Directors of Workplace Safety & Security 120 Albany Street, 7th Floor, Suite 705 New Brunswick, NJ 08901-2163 732-932-1700 (exts. 23 & 49), f. 732-932-1707 rhaider@nti.rutgers.edu and ckozub@nti.rutgers.edu www.ntionline.com TITLE/AVAILABILITY: • System Security Awareness for Transit Employees (instructor-led and interactive CD-ROM training versions) System Security Awareness for Commuter Rail Employees • System Security Awareness for Transportation Workers • System Security Awareness for Ferry System Employees • System Security Awareness for Motorcoach Company Employees • Security Incident Management for Transit Supervisors • Security Incident Management for Transportation Supervisors • Security Incident Management for Motorcoach Company Supervisors Violence in the Transit Workplace Safety Conscious Planning • ITS for Transit: Solving Real Problems New York Metropolitan Transit Authority (NYMTA) Police Department SPONSOR: **INSTITUTION:** NYMTA Police Department **CONTACT INFORMATION:** James D. O'Donnell Chief, NY MTA Police 212-878-1146 jodonnel@mtahq.org

Emergency First Responder Training/2002

Regional Transportation District (RTD) - Denver, CO **SPONSOR: INSTITUTION:** RTD-Denver **CONTACT INFORMATION:** John Tarbert Manager, System Security 1600 Blake Street Denver, CO 80202 303-299-2379, f. 303-299-2961 john.tarbert@rtd-denver.com TITLE/AVAILABILITY: Industrial Terrorism Awareness [produced in conjunction with the Rocky Mountain Education Center and Occupational Safety and Health Administration (OSHA) Training Institute] **Emotionally Disturbed Persons** Bomb Threat Emergency Procedure Security and Public Transportation Suspicious Mail and Packages Training Violence in the Workplace: A Manager's Approach to a Safe Environment Suspicious Packages **SPONSOR: Public Entity Risk Institute (PERI) INSTITUTION: PERI CONTACT INFORMATION:** 11350 Random Hills Road, #210 Fairfax, VA 22030 703-352-1846, f. 703-352-6339 www.riskinstitute.org TITLE/AVAILABILITY: Evaluating Community Emergency Services (Internet Symposium)/2002 **SPONSOR:** Somerset County Division of Transportation (Bridgewater, NJ) **INSTITUTION:** Somerset County Division of Transportation **CONTACT INFORMATION:** For video and workbook materials, contact: Yvonne C. Manfra Transportation Director Somerset County Division of Transportation 750 East Main Street, Bridgewater, NJ 08807 908-231-7116, f. 908-302-0509 manfra@co.somerset.nj.us TITLE/AVAILABILITY: Paratransit Driver Emergency Evacuation Procedures (ParaDEEP) Training Course/1997 **SPONSOR:** The Infrastructure Security Partnership (TISP) **INSTITUTION:** TISP **CONTACT INFORMATION:** 1801 Alexander Bell Drive Reston, VA 20191 703-295-6234, f. 703-295-6276 tisponline@asce.org www.tisp.org TITLE/AVAILABILITY: First Annual TISP Congress on Infrastructure Security in the Built Environment/2002

TISP is sponsored by the American Society of Civil Engineers (ASCE).

INSTITUTION:
CONTACT INFORMATION:
TIEMS
PO Box 2777
Solli, N-0204
Oslo, Norway
www.tiems.org

TITLE/AVAILABILITY:

Disaster Management, Planning for Emergencies and Crisis: Facing the
Realities of the Third Millennium – Ninth World Conference on Emergency
Management/2002

Emergency Management in a Changing World – Tenth World Conference on
Emergency Management/2003

TIEMS is affiliated with George Washington University (GWU).

### SPONSOR: Transportation Safety Institute (TSI)

INSTITUTION:

TSI Transit Safety and Security Division

**CONTACT INFORMATION:** 

PO Box 25082

Oklahoma City, OK 73125-9967 405-954-3682, f. 405-954-0367

transit@tsi.jccbi.gov www.tsi.dot.gov

TITLE/AVAILABILITY:

- Crime Prevention Through Environmental Design Seminar/2002
- Effectively Managing Transit Emergencies/2001
- Emergency Response and Access to Alternative Fuels, Facilities, and Equipment/2002
- Response to Weapons of Mass Destruction/2002
- Transit Bus System Safety/2002
- Threat Management and Emergency Response to Bus Hijackings Seminar/2000
- Threat Management and Emergency Response to Rail Hijackings Seminar/2002
- Transit Explosives Incident Management Seminar/2002
- Transit Rail Incident Investigation/2002
- Transit System Security/2001

Contact TSI for current schedules.

## SPONSOR: United States Army Medical Research Institute of Chemical Defense (USAMRICD)

**INSTITUTION:** 

Chemical Casualty Care Division

**CONTACT INFORMATION:** 

USAMRICD

ATTN MCMR-UV-ZM 3100 Ricketts Point Road

Aberdeen Proving Ground, MD 21010-5400

410-436-2230, f. 410-436-3086 <u>CCC@apg.amedd.army.mil</u> http://ccc.apgea.army.mil

TITLE/AVAILABILITY:

Field Management of Chemical and Biological Casualties Course (FCBC)/2003

TITLE/AVAILABILITY:

### **United States Office of Personnel Management SPONSOR: INSTITUTION:** Eastern Management Development Center (EMDC) **CONTACT INFORMATION:** Barbara Smith Director, EMDC 101 Lowe Drive Shepherdstown, WV 25443-9601 304-870-8000 emdc@opm.gov www.leadership.opm.gov TITLE/AVAILABILITY: Alternative Dispute Resolution Homeland Defense: Critical Infrastructure Protection Homeland Defense: Understanding the Enemy Contact EMDC for current schedules. INSTITUTION: Federal Executive Institute (FEI) **CONTACT INFORMATION:** Joe Riddle Acting Director, FEI 1301 Emmet Street Charlottesville, VA 22903-4899 434-980-6200 fei@opm.gov www.leadership.opm.gov Collaborating Across Organizational Boundaries/2003 TITLE/AVAILABILITY: **INSTITUTION:** Western Management Development Center (WMDC) **CONTACT INFORMATION:** Joe Wienand Director, WMDC Cherry Creek Place 151 South Vaughn Way, Suite 300 Aurora, CO 80014-3513 303-671-1010 wmdc@opm.gov www.leadership.opm.gov TITLE/AVAILABILITY: • Conflict Resolution Skills: Positive Approaches to Difficult People Countering Terrorism Conference • National Security Policy: A Strategic Overview Understanding Weapons of Mass Destruction Contact WMDC for current schedules. **SPONSOR:** West Virginia Department of Transportation (WVDOT) WVDOT **INSTITUTION: CONTACT INFORMATION:** Susan O'Connell Director, Public Transit Division Building 5, Room A-104D Capitol Complex Charleston, WV 25305-0128 304-558-0428, f. 304-558-0174

soconnell@dot.state.wv.us www.state.wv.us/wvdot

Transit and Terrorism: Threat Management and Emergency Response/2001

11

### **Table 2: Study Organizations**

Table 2 represents organizations, such as associations, government bodies, individual state DOTs, and others that have played an active role in providing valuable resources to public transportation systems regarding security topics.

Table 2 also is not comprehensive. However, it does include those organizations believed to be representative of the industry's current state of the art with some emphasis on those that have made the largest impact on the public transportation security environment since the terrorist attacks of September 11, 2001.

### **CONCLUSIONS**

Most resources listed in this Guide address security issues regarding terrorist activity, which has been the focus of the public transportation industry since the attacks of September 11. However, many of the training programs and published works can also relate to natural disasters and accidents. This all-hazards approach can include a transportation industry response to earthquakes, hurricanes, tornadoes, floods, collisions, derailments, hazardous material spills, and releases. The public transportation industry, applying the resources in this Guide, can better support the various emergency needs in the communities it serves.

TABLE 2 Organizations producing security-related resources

SPONSOR:	American Association of State Highway and Transportation Officials (AASHTO)						
ORGANIZATION: CONTACT INFORMATION:	AASHTO Dr. Anthony R. Kane (Tony) Director, Engineering and Technical Services 444 N. Capitol Street, NW, Suite 249						
TITLE/AVAILABILITY:	Washington, DC 20001 202-624-5812, f. 202-624-5469 akane@aashto.org security.transportation.org  TRB/AASHTO Security Survey/2001						
	<ul> <li>National Needs Assessment for Ensuring Transportation Infrastructure Security/2003</li> <li>A Guide to Updating Highway Emergency Response Plans for Terrorist Incidents/2002</li> <li>A Guide to Highway Vulnerability Assessment for Critical Asset Identification and Protection/2002</li> </ul>						

Also see TRB (NCHRP), which is sponsored by AASHTO.

### **SPONSOR:** American Public Transportation Association (APTA) **ORGANIZATION: APTA** CONTACT Greg Hull **INFORMATION:** Director, Operations Safety and Security Programs 1666 K Street, NW, Suite 1100 Washington, DC 20006 202-496-4815, f. 202-496-4323 ghull@apta.com www.apta.com TITLE/ AVAILABILITY: America Under Threat: Transit Responds to Terrorism (Passenger Transport Special Report)/2001 Checklists for Emergency Response Planning and System Security/2001 Control of Public Space/1999 National Summit Looks at Surface Transportation Security Issues/2001 Resource Kit: Emergency Preparedness Plans (CD-ROM)/2000 The Use of Technology in Preparing Subway Systems for Chemical/Biological Terrorism/1999 Transit Industry Prepares for Anniversary of Sept. 11 with Increased Security (Passenger Transport Article)/2002 Transit Safety in the Wake of September 11th/2001 Contractor's Report on the 2002 APTA/FTA Security Workshops: New York City, San Francisco, Atlanta, Chicago/2002 Security White Paper on Public Transportation System Nuclear, Biological, and Chemical Decontamination Procedures/2002 Security White Paper on Public Transportation System Technology Clearinghouse/2002

Also see TRB (TCRP), which is co-sponsored by APTA.

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SPONSOR:		Arg	onne N	Vationa	al L	aborato	rv	ANI	λ

**ORGANIZATION:** 

ANL

CONTACT

**Tony Policastro** 

INFORMATION:

Environmental Assessment

9700 S. Cass Avenue Argonne, IL 60439

630-252-2000, f. 630-252-3379

policastro@anl.gov www.anl.gov

TITLE/AVAILABILITY:

Guidelines for Managing Suspected Chemical and Biological Agent Incidents in

International Transportation Associations Transit Security Summit/2002

Rail Tunnel Systems/2001

This document is considered to be law enforcement sensitive by the FTA. It is only available to the General Managers of Transit Systems and the Chiefs of Transit Security.

Center for Urban Transportation Research (CUTR) **SPONSOR: ORGANIZATION: CUTR CONTACT** Dr. Steven E. Polzin INFORMATION: Deputy Director, Institutes University of South Florida 4202 E. Fowler Ave., CUT 100 Tampa, FL 33620-5375 813-974-3120, f. 813-974-5168 polzin@cutr.eng.usf.edu www.cutr.eng.usf.edu/research/nuti/nuti.htm TITLE/AVAILABILITY: Cops, Cameras, and Enclosures: A Synthesis of the Effectiveness of Methods to Provide Enhanced Security for Bus Operators/2001 Perceptions of Transit Safety/2001 **SPONSOR:** Community Transportation Association of America (CTAA) CTAA **ORGANIZATION:** Scott Bogren CONTACT Associate Director of Communications INFORMATION: 1341 G Street, NW, 10<sup>th</sup> Floor Washington, DC 20005 202-661-0204, f. 202-737-9197 bogren@ctaa.org www.ctaa.org TITLE /AVAILABILITY: Preparedness (special issue of Community Transportation magazine) www.ctaa.org/ct/winter2002 Emergency Preparedness for Older People (Issue Brief) CTAA's Community Transportation Training and Safety Review Program **SPONSOR:** Federal Emergency Management Agency (FEMA) **ORGANIZATION: FEMA** CONTACT 500 C Street, SW Washington, DC 20472 **INFORMATION:** 202-566-1600 webmaster@fema.gov www.fema.gov TITLE/AVAILABILITY: A Nation Prepared: FEMA Strategic Plan/FY 2003-2008 RESOURCE SPONSOR: Federal Highway Administration (FHWA) **ORGANIZATION: FHWA** CONTACT David Price Program Manager for Transportation Security **INFORMATION:** Office of the Administrator 400 Seventh Street, SW Washington, DC 20590 202-366-0507, f. 202-493-2084 david.price@fhwa.dot.gov www.fhwa.dot.gov/OpsSecurity TITLE/AVAILABILITY: Intelligent Transportation System (ITS)/Operations Resource Guide/2001 What Have We Learned About Freeway, Incident, and Emergency Management and Electronic Toll Collection? - Chapter 2 of What Have We Learned About Intelligent Transportation Systems?, in conjunction with US DOT/2001

See TRB (NCHRP). FHWA sponsors NCHRP research activities.

SPONSOR: Federal Motor Carrier Safety Administration (FMCSA)

**ORGANIZATION:** 

FMCSA

CONTACT

Martin Walker

**INFORMATION:** 

Chief, Research Division FMCSA Administration

400 Virginia Avenue, SW, MC-RTT, Suite 600

Washington, DC 20024

202-358-5018

martin.walker@fmcsa.dot.gov

TITLE/AVAILABILITY:

• Commercial Truck and Bus Safety Synthesis Program (CTBSSP), Synthesis 2, Security Measures in the Commercial Truck and Bus Industry/2003

• Hazardous Materials Risk Assessment

### SPONSOR: Federal Transit Administration (FTA)

**ORGANIZATION:** 

**FTA** 

CONTACT

Lewis Clopton

**INFORMATION:** 

Office of Research Management

400 Seventh Street, SW, Room 9407 C

Washington, DC 20590 202-366-9157, f. 202-366-3765

www.transit-safety.volpe.dot.gov/Security

- Advanced Public Transportation Systems: The State of the Art Update/2000
- Assessment of ITS Architecture for Security Systems/2003
- Communication of Threats: A Guide TCRP Report 86: Public Transportation Security: Volume 1/2002
- Criteria for Safe Placement of Transit Centers and Shops/2003
- Critical Incident Management Guidelines/1998
- Design Specifications and Requirements for Transit Systemwide Security2003
- Evacuation and Rescue of Elderly and Disabled Passengers from Paratransit Vans and Buses/1984
- Incorporating Security into the Oversight Program/2000
- ITS Integration Program Security/2003
- K9 Units in Public Transportation: A Guide for Decision Makers TCRP Report 86: Public Transportation Security: Volume 2/2002
- Post 9/11 Security Initiative (article)/2002
- PROTECT Communication System (Pending Approval FY02)/2003
- PROTECT [Department of Defense (DOD) Supplemental]/2003
- Public Transportation System Security and Emergency Preparedness Planning Guide/2003
- Real-time Communication for Emergency Response/2003
- Standard Protocols for Managing Security Incidents Involving Surface Transit Vehicles (Volpe), co-sponsored with US DOT/2002
- System Management & Operations Security/2003

### TITLE/AVAILABILITY (continued):

- Transit Passenger Security (Proposed)/2003
- Transit Security Handbook/1998
- Transit Security Procedures Guide/1994
- Transit System Security Program Planning Guide/1994
- Transit Security Technology Research/2003
- Transit Standards Consortium for Counter-Terrorism/2002
- Trespass Intrusion Detection Systems/2003
- Tunnel Ventilation re: Lethal Substance Incidents/2003

Also see TRB (TCRP), NTI, TSI, and Volpe for security research activities sponsored and co-sponsored by FTA.

### SPONSOR:

### **Mineta Transportation Institute (MTI)**

### **ORGANIZATION:**

MTI

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### TITLE/AVAILABILITY:

- MTI Report 01-14: Protecting Public Surface Transportation Against Terrorism and Serious Crime: An Executive Overview/2001
- MTI Report 01-07: Protecting Public Surface Transportation Against Terrorism and Serious Crime: Continuing Research on Best Security Practices/2001
- MTI Report 97-04: Protecting Surface Transportation Systems and Patrons from Terrorist Activities/1997

### **SPONSOR:**

### National Academies Press (NAP)

National Research Council (NRC)

### **ORGANIZATION:**

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### TITLE/AVAILABILITY:

- Countering Terrorism: Lessons Learned from Natural and Technological Disasters/2002
- High-Impact Terrorism: Proceedings of a Russian-American Workshop (in conjunction with the Office for Central Europe and Eurasia Development and in cooperation with the Russian Academy of Sciences)/2002
- Protecting People and Buildings from Terrorism: Technology Transfer for Blast-effects Mitigation/2001

Also see TRB. NAP is responsible for printing most TRB publications.

**SPONSOR:** National Infrastructure Protection Center (NIPC) **ORGANIZATION: NIPC** CONTACT Steve York **INFORMATION:** Training Unit J. Edgar Hoover Building 935 Pennsylvania Avenue, NW Washington, DC 20535-0001 202-324-9198, f. 202-323-2079 nipc.watch@fbi.gov www.nipc.gov Critical Foundations: Protecting America's Infrastructures by the Report of the TITLE/AVAILABILITY: President's Commission on Critical Infrastructure Protection (unclassified version with likely classified annexes)/1997 **SPONSOR:** National Transit Institute (NTI) **ORGANIZATION:** NTI **CONTACT** National Transit Institute INFORMATION: Rutgers, The State University of New Jersey 120 Albany Street New Brunswick, NJ 08901-2163 732-932-1700 safety@nti.rutgers.edu www.ntionline.com TITLE/AVAILABILITY: Employee Guide to System Security(Versions for Bus Operations, Bus Maintenance, Light Rail, Heavy Rail, and Commuter Rail) WARNING SIGNS (A 15-minute fast-paced video presentation on the key aspects of system security for transit employees) **SPONSOR:** Texas Transportation Institute (TTI) TTI **ORGANIZATION:** Texas A&M University System CONTACT **INFORMATION:** 3135 TAMU College Station, TX 77843-3135 979-845-4853, f. 979-845-9356 tti.tamu.edu TITLE/AVAILABILITY: Emergency Management Planning for Texas Transit Agencies: A Guidebook/1999 **SPONSOR:** Transportation Research Board (TRB) TRB **ORGANIZATION:** S. A. Parker CONTACT **INFORMATION:** Senior Program Officer, Cooperative Research Programs Transportation Research Board of the National Academies Keck Center 500 Fifth Street, NW Washington, DC 20001 202-334-2554, f. 202-334-2006 saparker@nas.edu www.nationalacademies.org/trb/ or www.trb.org

### TITLE/AVAILABILITY:

- Commercial Truck and Bus Safety Synthesis Program (CTBSSP), Synthesis 2, Security Measures in the Commercial Truck and Bus Industry/2003
- Making the Nation Safer: The Role of Science and Technology in Countering Terrorism/2002
- Securing Intermodal Connections: Meeting the Challenges of Rail-Aviation Passenger Facilities/2001
- Transportation Research Information Services (TRIS) Database
- Transportation Security Workshops and Sessions at the Annual TRB Meeting/2002/2003
- TRB/AASHTO Security Survey/2001
- TRB Special Report 270: Deterrence, Protection, and Preparation: The New Transportation Security Imperative/2002

### **ORGANIZATION:**

National Cooperative Highway Research Program (NCHRP) Surface Transportation Security Projects

### CONTACT INFORMATION: TITLE/AVAILABILITY:

www.trb.org/trb/crp-nsf/All+Projects/NCHRP+20-59

- A Guide to Updating Highway Emergency Response Plans/2002
- A Guide to Highway Vulnerability Assessment for Critical Asset Identification and Protection/2002
- Project 20-59(2): Bridge/Tunnel/Highway Infrastructure Vulnerability Workshops/2003
- Project 20-59(5): National Needs Assessment for Ensuring Transportation Infrastructure Security/2002
- Project 20-59(8): Emergency Transportation Operations Preparedness and Response Workshops for Statewide Applications/2003
- Project 20-59(10): Secure Communication Infrastructure/2003

### **ORGANIZATION:**

Transit Cooperative Research Program (TCRP) Public Transportation Security Projects

# CONTACT INFORMATION: TITLE/AVAILABILITY:

www.trb.org/trb/crp-nsf/All+Projects/TCRP+J-10

- Electronic Surveillance Technology on Transit Vehicles/2001
- Emergency Preparedness for Transit Terrorism/1997
- Guidelines for the Effective Use of Uniformed Transit Police and Security Personnel/1997
- Improving Transit Security/1997
- Project J-10(1): Transit Security Roundtables/2002
- Project J-10(2): Decontamination & Clearinghouse White Papers/2002
- Project J-10(3): A Guide to Public Transportation Security Resources/2003
- Project J-10A(1): Update: Transit System Security Program Planning Guide and FTA Transit Security Handbook: Public Transportation System Security and Emergency Preparedness Planning Guide/2002
- Project J-10A(2): Security-Related Training and Customer Communications: Lessons Learned from September 11 by Transportation Providers/2003
- Project J-10A(3): Intrusion Detection for Public Transportation Facilities/2002
- Project J-10A(4): Scan for Tools for Prioritizing Anti-Terrorist Security Measures/2003

### TITLE/AVAILABILITY (continued):

- Project J-10B(1): Emergency Response Mobilization Strategies and Guidelines for Transit/2003
- Project J-10B(2): Use of Portable Explosive Detection Devices/2003
- Project J-10B(3): Robotic Devices/2003
- Project J-10B(4): Communication of Threats: A Guide TCRP Report 86: Public Transportation Security: Volume 1/2002
- Project J-10B(5): K9 Units in Public Transportation: A Guide for Decision Makers – TCRP Report 86: Public Transportation Security: Volume 2/2002

### **SPONSOR:**

### Transportation Security Administration (TSA)

### **ORGANIZATION:**

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400 Seventh Street, SW Washington, DC 20590 202-385-1253, f. 202-385-1254

www.tsa.dot.gov/

TITLE/AVAILABILITY:

- Acting Under Secretary ADM James M. Loy: Sharing My Thoughts on September 11 – One Year Later (article)/2002
- Transportation Security Administration Progress as of September 10, 2002/2002/2002
- Transportation Security Administration Progress as of September 4, 2002
- Transportation Security Administration Progress as of August 20, 2002/2002
- Accomplishments of the TSA Since its Inception on November 19, 2001/2002
- Report to Congress on Enhanced Security Measures/2002
- Deployment of Screening Systems/2002
- 180 Day Report to Congress Transportation Security Administration Performance Targets and Action Plan/2002
- Transportation Security Administration Meets First Security Requirements/2001
- TSA Fact Sheet: Explosives Trace Detection (ETD) and Explosives Detection Systems (EDS)/2002

### SPONSOR:

### United States General Accounting Office (GAO)

### ORGANIZATION: CONTACT

INFORMATION:

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441 G Street, NW

Washington, DC 20548

202-512-4292

www.gao.gov

- Mass Transit: Federal Action Could Help Transit Agencies Address Security Challenges/2002
- Mass Transit: Challenges in Securing Transit Systems/2002
- Transportation Security: Post-September 11<sup>th</sup> Initiatives and Long-Term Challenges/2003
- Transportation Security: Coordination Needed in Selecting and Implementing Infrastructure Vulnerability Assessments/2003
- Bioterrorism: The Centers for Disease Control and Prevention's Role in Public Health Protection/2001
- Chemical Safety: Emergency Response Community Views on the Adequacy of Federally Required Chemical Information/2002

### TITLE/AVAILABILITY (continued):

- Combating Terrorism: Considerations for Investing Resources in Chemical and Biological Preparedness/2001
- Critical Infrastructure Protection: Federal Efforts Require a More Coordinated and Comprehensive Approach for Protecting Information Systems/2002
- Critical Infrastructure Protection: Significant Challenges Need to Be Addressed/2002
- Homeland Security: Intergovernmental Coordination and Partnership Will Be Critical to Success/2002
- National Preparedness: Integrating New and Existing Technology and Information Into an Effective Homeland Security Strategy/2002
- National Preparedness: Technologies to Secure Federal Buildings/2002

### **SPONSOR:**

### **Volpe National Transportation Systems Center (Volpe)**

**ORGANIZATION:** 

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TITLE/AVAILABILITY:

- Development of a Graphics Based Automated Emergency Response System (AERS) for Rail Transit Systems/1998
- Disseminating Safety Information on the Nation's Transit Systems/2002
- DOT Research, Development, and Technology Plan, FY 2002 (Report to Congress)/2002
- United States Postal Service Hazardous Materials in the Mail/2002
- Vulnerability Assessment of the Transportation Infrastructure Relying on Global Positioning System/2002

### TRB RESOURCES FOR EMERGENCY PREPAREDNESS

Emergencies arising from terrorist threats highlight the need for transportation managers to minimize the vulnerability of people and assets through incident prevention, preparedness, response, and recovery. Managers are seeking to reduce the chances that transportation vehicles and facilities are targets or instruments of terrorist attacks and to be prepared to respond to and recover from such possibilities. The Transit Cooperative Research Program has budgeted \$2.4 million for security-related research in FY 2002 through FY 2003 (see <a href="www4.trb.org/trb/crp.nsf/All+Projects/TCRP+J-10">www4.trb.org/trb/crp.nsf/All+Projects/TCRP+J-10</a>). The National Cooperative Highway Research Program has budgeted \$3.75 million in FY 2002

through FY 2004 for work in this research area (see www4.trb.org/trb/crp.nsf/All+Projects/NCHRP+20-59).

Although a wealth of new resources is now available or under development through the cooperative research programs, TRB and the National Academies have generated extensive information on these issues in recent years. The TRB Transportation System Security website (at <a href="www4.trb.org/trb/homepage.nsf/web/security">www4.trb.org/trb/homepage.nsf/web/security</a>) brings together much of this information. Also included are links to other related websites that contain discussions of issues, actions that can be taken, guidance and training opportunities. The TRB Transportation System Security website is sponsored by the TRB Committee on Critical Transportation Infrastructure Protection (see <a href="san-antonio.tamu.edu/trba5021/trba5021.html">san-antonio.tamu.edu/trba5021/trba5021.html</a>), and is updated regularly.