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U.S. Department of Commerce
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Green JOBS

PB2011111843
Environmental Protection Agency, Washington, DC.
2010, 52p
Related Categories/Sub-Categories:
43C (Human Resources)
68 (Environmental Pollution & Control)
70D (Personnel Management, Labor Relations & Manpower Studies)
92A (Job Training & Career Development)
Keywords: Certification programs, Training programs, Green jobs.

PB2010115088
Measuring the Green Economy.
Economics and Statistics Administration, Washington, DC.
2010, 50p
See also PB2010-115092.
Related Categories/Sub-Categories:
48B (Natural Resource Management)
91J (Economic Studies)
97G (Policies, Regulations & Studies)
Keywords: Economic development, Energy efficiency, Job creation.

DE2010983020
Lawrence Berkeley National Lab., CA.
Environmental Energy Technologies Div.
2010, 68p
LBNL-3163E
Related Categories/Sub-Categories:
92D (Education, Law, & Humanities)
97B (Energy Use, Supply, & Demand)
97G (Policies, Regulations & Studies)
97J (Heating & Cooling Systems)
Keywords: Residential buildings, Energy efficiency, Workforce training.

DE2010983021
Energy Efficiency Services Sector: Workforce Size and Expectations for Growth.
Lawrence Berkeley National Lab., CA.
Environmental Energy Technologies Div.
2010, 109p
LBNL-3162E
Related Categories/Sub-Categories:
97B (Energy Use, Supply, & Demand)
97G (Policies, Regulations & Studies)
Keywords: Energy efficiency, Energy policy, Workforce gap.

PB2010112878
White House Forum on Jobs and Economic Growth.
Executive Office of the President, Washington, DC.
The White House Office.
2009, 52p
Related Categories/Sub-Categories:
43B (Economic & Community Development)
70F (Public Administration & Government)
91J (Economic Studies)
96A (Domestic Commerce, Marketing, & Economics)
Keywords: Job creation, Economic growth, Small businesses.

PB2009109367
Yellow Light on Green Jobs: A Report by the U.S. Senate Subcommittee on Green Jobs and the New Economy, Ranking Member Senator Kit Bond.
U.S. Senate Subcommittee on Green Jobs and the New Economy, Washington, DC.
2009, 44p
Related Categories/Sub-Categories:
43B (Economic & Community Development)
70D (Personnel Management, Labor Relations & Manpower Studies)
96 (Business & Economics)
Keywords: Green job programs, Taxpayer subsidies, Energy prices.
Category 50 - Civil Engineering

PB2011105263  
Geophysical Testing of Rock and Its Relationships to Physical Properties.  
Florida Univ., Gainesville. Dept. of Civil and Coastal Engineering.  
2011, 190p  
Related Categories/Sub-Categories:  
48F (Geology & Geophysics)  
50D (Soil & Rock Mechanics)  
Keywords: Drilled shafts, Seismic waves, Rock properties.

PB2011105239  
Realtime Monitoring of Bridge Scour Using Remote Monitoring Technology.  
Texas Dept. of Transportation, Austin. Research and Technology Implementation Office. Federal Highway Administration, Austin, TX. Texas Div.  
2011, 440p  
REPT-0-6060-1  
FHWA/TX-11/0-6060-1  
Related Categories/Sub-Categories:  
50A (Highway Engineering)  
50B (Civil Engineering)  
Keywords: Bridges, Erosion, Bridge scour.

ADA542116  
Engineer Research and Development Center, Vicksburg, MS. Geotechnical and Structures Lab.  
2011, 115p  
ERDC/GSL-TR-11-13  
Related Categories/Sub-Categories:  
41G (Quality Control & Reliability)  
50B (Civil Engineering)  
50C (Construction Equipment, Materials, & Supplies)  
Keywords: Cements, Pavements, Crater repair.

PB20111107540  
Estimating Cost Per Lane Mile for Routine Highway Operations and Maintenance.  
Midwest Regional University Transportation Center, Madison, WI.  
2011, 75p  
MRUTC-07-12  
Related Categories/Sub-Categories:  
43G (Transportation)  
50A (Highway Engineering)  
85H (Road Construction)  
91B (Transportation & Traffic Planning)  
Keywords: Highway maintenance, Financial management, Budgets.

PB2011111166  
Introduction to the National Pretreatment Program, June 2011.  
Environmental Protection Agency, Washington, DC. Office of Wastewater Management.  
2011, 91p  
EPA/B33/B-11/001  
PB99-145518 (Report dated Feb 99)  
Related Categories/Sub-Categories:  
43F (Environment)  
48B (Natural Resource Management)  
50B (Civil Engineering)  
68D (Water Pollution & Control)  
91A (Environmental Management & Planning)  
Keywords: Water pollution control, Waste water treatment, Publicly owned treatment works (POTWs)

PB2011105231  
Improving the Performance of Roadside Vegetation.  
Colorado Dept. of Transportation, Denver. Federal Highway Administration, Denver, CO. Colorado Div.  
2011, 60p  
CDOT-2011-2  
Related Categories/Sub-Categories:  
43G (Transportation)  
50A (Highway Engineering)  
57H (Ecology)  
91A (Environmental Management & Planning)  
91B (Transportation & Traffic Planning)  
Keywords: Roadside maintenance, Vegetation, Environmental effects.

PB2011109059  
2011, 112p  
ACRP-SYN-22  
EPA/600/R-11/017  
PB2011108659  
Quality Assurance and Quality Control Practices for Rehabilitation of Sewer and Water Mains.  
2011, 67p  
EPA/600/R-11/017  
Related Categories/Sub-Categories:  
50B (Civil Engineering)  
68D (Water Pollution & Control)  
85E (Pipeline Transportation)  
94 (Industrial & Mechanical Engineering)  
Keywords: Pipelines, Water supply, Sewerage.

Key to Database Fields Used

The following NTIS database fields are used in this short listing of recently acquired technical reports.

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- Connie Fritz, Science Librarian, RPI

NTIS classifies citations into 39 subject categories. Each of these subject categories is divided into subcategories. This method provides sorting categories for both hard and soft sciences. All subject categories consist of three character codes: two numerics and one alpha character. The numeric codes represent entire categories the alpha codes are used to designate subcategories within these broad categories. The number of NTIS subcategories posted to an information product average from three to five, although there are some reports with more.

PB2011107761
Guidelines for the Preservation of High-Traffic-Volume Highways.
SHRP 2 RPT S2-R26-RR2
Related Categories/Sub-Categories:
50A (Highway Engineering)
50C (Construction Equipment, Materials, & Supplies)
Keywords: Highways, Maintenance management, Construction materials.
PB2011109722
Texas Dept. of Transportation, Austin. Research and Technology Implementation Office. Federal Highway Administration, Austin, TX. Texas Div. 2011, 138p
REPT-0-6586-1
Related Categories/Sub-Categories:
50A (Highway Engineering)
50C (Construction Equipment, Materials, & Supplies)
Keywords: Preventive maintenance, Highways, Rehabilitation.

PB2011110721
Mix Design Practices for Warm Mix Asphalt.
NCHRP-691
Related Categories/Sub-Categories:
50A (Highway Engineering)
50C (Construction Equipment, Materials, & Supplies)
Keywords: Hot mix paving mixtures, Asphalt concretes, Warm mix asphalt (WMA).

PB2011109666
Evaluation of Cone Penetration Testing (CPT) for Use with Transportation Projects.
Ohio Dept. of Transportation, Columbus. Federal Highway Administration, Columbus, OH. Ohio Div. 2011, 124p
FHWA/OH-2011/7
See also PB2011-109667, Executive Summary.
Related Categories/Sub-Categories:
50A (Highway Engineering)
50D (Soil & Rock Mechanics)
Keywords: Cone penetration testing, Subsurface investigations, Data correlation.

PB2011104515
FHWA/PA-2011-001-080503
Related Categories/Sub-Categories:
50A (Highway Engineering)
50C (Construction Equipment, Materials, & Supplies)
Keywords: Pavements, Highway maintenance, Crack sealing.

PB2011108672
Evaluation of Long-Term Pavement Performance and Noise Characteristics of the Next Generation Concrete Surface.
Federal Highway Administration, Olympia, WA. Washington Div. WA. Washington Div. 2011, 45p
WA-10-03
WA-RD-767-1
Related Categories/Sub-Categories:
50A (Highway Engineering)
50C (Construction Equipment, Materials, & Supplies)
68B (Noise Pollution & Control)
Keywords: Concrete pavements, Noise abatement, Pavement grooving.

PB2011109664
Ohio Dept. of Transportation, Columbus. Office of Research and Development. Federal Highway Administration, Columbus, OH. Ohio Div. 2011, 399p
FHWA/OD-2011/5
See also PB2011-10965, Executive Summary.
Related Categories/Sub-Categories:
50A (Highway Engineering)
50D (Soil & Rock Mechanics)
Keywords: Drilled shafts, Lateral pressure, Geotechnical engineering.
**PB201104479**
Maritime Security: Federal Agencies Have Taken Actions to Address Risks Posed by Seafarers, but Efforts Can Be Strengthened. 
GAO-11-195
Related Categories/Sub-Categories:
70B (Management Practice)
74 (Military Sciences)
85G (Marine & Waterway Transportation)
92E (International Relations)
Keywords: Security, Marine transportation, Federal agencies.

**PB2011104509**
Rail Transit: FTA Programs are Helping Address Transit Agencies’ Safety Challenges, but Improved Performance Goals and Measures Could Better Focus Efforts. 
GAO-11-199
Related Categories/Sub-Categories:
43G (Transportation)
85C (Metropolitan Rail Transportation)
85D (Transportation Safety)
91B (Transportation & Traffic Planning)
Keywords: Rail transportation, Mass transit, Railroad accidents.

**PB2011105200**
Federal Aviation Administration, Washington, DC. 2011, 39p
See also PB2010-103277 (Report for FY 10).
Related Categories/Sub-Categories:
43D (Police, Fire, & Emergency Services)
57U (Public Health & Industrial Medicine)
70B (Management Practice)
70F (Public Administration & Government)
85A (Air Transportation)
91I (Emergency Services & Planning)
Keywords: Infrastructure protection, Hazardous materials disposal, Air traffic controllers.

**PB2011106330**
America’s Container Ports: Linking Markets at Home and Abroad. 
Department of Transportation, Washington, DC. Research & Innovative Technology Administration (RITA). 2011, 52p
Related Categories/Sub-Categories:
85G (Marine & Waterway Transportation)
96C (International Commerce, Marketing, & Economics)
Keywords: Marine transportation, Ports (Facilities), Containerization.

**PB2011106635**
Federal Aviation Administration, Washington, DC. 2011, 1606p
See also PB2009-116076 (20th Edition).
Related Categories/Sub-Categories:
51B (Aeronautics)
85A (Air Transportation)
88 (Library & Information Sciences)
Keywords: Civil aviation, Air navigation, Airports.

**PB2011106379**
System Methods for Uncovering Economic, Technological, and Policy Enablers of an ‘On-Demand Air Service’ Regional Passenger Transportation Solution. USDOT Region V Regional University Transportation Center. Final Report. Purdue Univ., West Lafayette, IN. School of Aeronautics and Astronautics. Purdue Univ., West Lafayette, IN. Dept. of Civil Engineering. 2011, 50p
See also PB2009-116076 (Report for FY 10).
Related Categories/Sub-Categories:
43G (Transportation)
85A (Air Transportation)
91B (Transportation & Traffic Planning)
Keywords: Air transportation, Passenger transportation, Travel demand.

**PB2011108245**
Guidebook for Developing and Managing Airport Contracts. 
Transportation Research Board, Washington, DC. Federal Aviation Administration, Washington, DC. 2011, 84p
ACRP-33
Related Categories/Sub-Categories:
70B (Management Practice)
85A (Air Transportation)
96 (Business & Economics)
Keywords: Airports, Airline operations, Contracts.
PB20111107504
Government Accountability Office, Washington, DC.
2011, 26p
GAO-11-198
Related Categories/Sub-Categories:
43G (Transportation)
85C (State & Local Government)
85D (Transportation Safety)
43G (Transportation)
Related Keywords: Intercity passenger rail, Intercity freight rail.

PB2011110708
Dual Frequency, Carrier Phase Differential GPS Augmentation.
Minneapolis Minn., Minneapolis. Intelligent Transportation Systems Inst.
Federal Highway Administration, St. Paul, MN.
2011, 54p
CTS-11-09
Related Categories/Sub-Categories:
45C (Common Carrier & Satellite)
46H (Radiofrequency Waves)
85F (Global Navigation Systems)
Related Keywords: Global positioning system.

PB2011110393
Smith (Wilbur) and Associates, Washington, DC.
2011, 328p
Related Categories/Sub-Categories:
43G (Transportation)
85H (Road Transportation)
91B (Transportation & Traffic Planning)
Related Keywords: Toll roads, Traffic simulation.

PB20111105229
Navigation and Vessel Inspection Circular No. 00-11: Index of Navigation and Vessel Inspection Circulars
Coast Guard, Washington, DC.
2011, 44p
USCG-NMC-00-11
Related Categories/Sub-Categories:
85D (Transportation Safety)
88E (Reference Materials)
85G (Marine & Waterway Transportation)
Related Keywords: Coast Guard, Navigation, Vessel inspection.

PB2011111338
Impact of Driving, Non-Driving Work, and Rest Breaks on Driving Performance in Commercial Motor Vehicle Operations.
Virginia Polytechnic Inst. and State Univ., Blacksburg. Center for Truck and Bus Safety.
2011, 124p
FMCSA-RRR-11-007
Related Categories/Sub-Categories:
85D (Transportation Safety)
85H (Road Transportation)
Related Keywords: Motor vehicle drivers, Driver performance, Commercial vehicles.

PB2011110708
Weather and Climate Impacts on Commercial Motor Vehicle Safety.
Federal Motor Carrier Safety Administration, Washington, DC.
2011, 88p
Related Categories/Sub-Categories:
43G (Transportation)
55C (Meteorological Data Collection, Analysis, & Weather Forecasting)
85D (Transportation Safety)
85H (Road Transportation)
Related Keywords: Weather conditions, Commercial vehicles, Motor vehicle drivers.

PB2011109742
National Highway Traffic Safety Administration, Washington, DC.
2011, 299p
DOT-HS-811-457
See also PB2010-112951, Tenth Edition.
Related Categories/Sub-Categories:
43G (Transportation)
85D (Transportation Safety)
85H (Road Transportation)
91B (Transportation & Traffic Planning)
Related Keywords: State laws, Speed limits, Highway safety.

PB201111392
Guidebook for Successful Communication, Cooperation, and Coordination Strategies Between Transportation Agencies and Tribal Communities.
New Mexico Univ., Albuquerque. ATR Inst.
2011, 123p
NCHRP RPT 690
Related Categories/Sub-Categories:
43G (Transportation)
91B (Transportation & Traffic Planning)
85H (Road Transportation)
Related Keywords: Transportation agencies, Tribal lands, Highway design.

PB2011104509
Rail Transit: FTA Programs are Helping Address Transit Agencies’ Safety Challenges, but Improved Performance Goals and Measures Could Better Focus Efforts.
Government Accountability Office, Washington, DC.
2011, 62p
GAO-11-199
Related Categories/Sub-Categories:
43G (Transportation)
85C (Metropolitan Rail Transportation)
85D (Transportation Safety)
85I (Railroad Transportation)
91B (Transportation & Traffic Planning)
Related Keywords: Rail transportation, Mass transit, Railroad accidents.

PB2011106378
Machine Vision Inspection of Railroad Track.
USDOT Region V Regional University Transportation Center Final Report. Dept. of Transportation, Washington, DC.
University Transportation Centers Program.
2011, 46p
NEXTRANS-PJ-NO-0281Y02
Related Categories/Sub-Categories:
62F (Pattern Recognition & Image Processing)
85D (Transportation Safety)
85I (Railroad Transportation)
Related Keywords: Railroad tracks, Inspection, Machine vision.

PB2011111772
Department of Transportation, Washington, DC.
Research & Innovative Technology Administration (RITA). Department of Defense, Washington, DC.
Department of Homeland Security, Washington, DC.
2011, 219p
DOT-RAI-10-001
See also PB2009-108364 (Report for 2008).
Related Categories/Sub-Categories:
76D (Navigation Systems)
85F (Global Navigation Systems)
Related Keywords: Radar, Navigation, Security.

PB2011110668
Maritime Administration, Washington, DC.
2011, 44p
See also PB2009-115914, report for July 2009.
Related Categories/Sub-Categories:
85G (Marine & Waterway Transportation)
96A (Domestic Commerce, Marketing, & Economics)
96C (International Commerce, Marketing, & Economics)
Related Keywords: Trade, Waterway transportation, Statistical data.
Title Index - For NTRL Users

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