

Not Recommended

Problem Number	Problem Title	Submitted by	Allocation	Duration (months)	Emphasis Area
09-04-07	Non-Punitive Reporting Program for Safety Management Systems	<i>Richard G. Paddock</i>	\$400,000	12	
09-10-05	Identify an Enabling Framework of Best Practice Business Models, Airline/airport Agreements, and Supporting Policies that Enable the Effective Implementation of Common Use Systems	<i>Howard V. Kourik (San Diego County Regional Airport Authority)</i>	\$350,000	12	
10-01-02	Guidebook for Implementing Companion and Working Animal Transportation Information Tracking Using Radio Frequency Identification Technology (RFID)	<i>Lawrence J.H. Schulze (and Christopher Chung, University of Houston, Dept. of Industrial Engineering)</i>	\$250,000	24	
10-01-04	Guidance and Demonstration for Amended Policy Regarding Airports Rates and Charges Pertaining to Congestion (Docket FAA-2008-0036)	<i>Frank Berardino (GRA, Incorporated)</i>	\$600,000	18	✓
10-01-05	Develop a model Use Agreement to serve as the basis of negotiations between Air Cargo carriers and all categories of Airports	<i>Joseph E. Richardson (JER Aviation Services, LLC)</i>	\$300,000	18	
10-01-06	Non Standard Airport Common Use Business Models	<i>Jim Willis (Convergent Strategies Consulting, Inc.)</i>	\$400,000	18	✓
10-01-07	Economic Development Feasibility of General Aviation Airport Projects	<i>Eric B. McClellan (Wilbur Smith Associates)</i>	\$375,000	18	✓
10-01-08	Private Sector Participation in Public Airports	<i>David P. Hayzlett (Serco, Inc.)</i>	\$375,000	15	✓
10-01-09	Enterprise-Risk Management and Risk-Based Decision Making for Airports	<i>Susan Warner Dooley (The Port Authority of NY and NJ)</i>	\$350,000	15	
10-01-11	Enhancing airport revenue - potential sources, benefits and lessons learned	<i>Tom Healy (Aero Tech Consulting, Inc.)</i>	\$450,000	18	✓
10-01-13	Enhanced Benefit Measurement in a Portfolio of Investments	<i>Dipasis Bhadra (FAA/APO)</i>	\$250,000	18	
10-01-16	A Comprehensive Economic-Based Revenue-Generation Strategy for Airport Planning and Development	<i>Lawrence Goldstein (ACRP & TCRP/TRB/The National Academies)</i>	\$550,000	24	✓
10-01-20	Unmet Needs and Demand for General Aviation Hangar Space	<i>Richard E. Genday (Fran Strouse, Robert Kimball & Associates, Inc.)</i>	\$450,000	18	
10-01-21	Guidebook to Evaluating New Technologies in Airport Environments	<i>Hunter S. Fulghum (Faith Group LLC)</i>	\$400,000	18	
10-02-02	Safely Collecting, Storing Rainwater Runoff from Airport Rooftops, Runways.	<i>Leland E. Burch (Greenville + Spartanburg (SC) Airport)</i>		9	
10-02-05	Development of a Green Airfield Certification Program	<i>Scott D. Murrell (The Port Authority of NY & NJ)</i>	\$100,000	9	
10-02-07	Encouraging High Occupancy Vehicle (HOV) Airport Access to Reduce Green House Gas Emissions	<i>Larry Kieman</i>	\$400,000	18	
10-02-10	Modeling the Fate and Transport of Aircraft Deicing and Anti-Icing Fluids	<i>Timothy Cox (CDM)</i>	\$150,000	15	
10-02-11	Towards an Appropriate Estimate of Short-haul Aviation non-CO2 Greenhouse Effects	<i>Andrew Tron (Great Toronto Airports Authority)</i>	\$300,000	12	
10-02-12	Determining Optimal Inputs for Reporting Jet Emissions at and near Airports	<i>Andrew Kemmetmueller (ARINC)</i>	\$25,000	18	

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10-02-13	Optimizing the Operational and Environmental Costs of Aircraft De-frosting	Michael Chaput (APS Aviation, Inc.)	\$300,000	18	
10-02-14	Tetra-Ethyl Lead Contamination from GA Activities in the Chesapeake Watershed	Chris Hartman (University of Maryland Eastern Shore)	\$250,000	9	
10-02-15	Tiltrotor Operational Noise and Emission Profiles Data Base Development	Steven D. Webster (Augusta Westland North America, Inc.)	\$450,000		
10-02-17	Energy and Carbon Footprint embodied in the U.S. Airport Network	Ming Xu (and John Crittenden, Georgia Institute of Technology)	\$500,000	36	
10-02-19	A Guide towards a Green Airport	Yu Zhang (University of South Florida)	\$750,000	24	✓
10-02-20	Modeling Tailored Aircraft Arrivals in Standard Environmental Tools	David W. Forsyth (The Boeing Company)	\$300,000	12	
10-02-21	Guidance Document for Selection of Sustainable Remedial Technologies for Soil and Groundwater Contamination at Airports	Jeff Montera (CDM)	\$50,000	6	
10-02-24	Development of a database of case studies that would help in formulation of guidelines for predicting and mitigating low frequency noise problems around airports.	Patricia Davies (Purdue University)	\$200,000	24	
10-02-28	Technology Transfer Products for Deicing BMPs Planning Guidance	Dean Mericas (CH2M HILL)	\$150,000	18	
10-02-29	Funding Resources/Opportunities for Deicing BMP Programs	Dean Mericas (CH2M HILL)	\$100,000	12	
10-02-30	Low-Cost Airport Noise Contour Mapping and Monitoring	TK Gwin (and Ahmad Ardani, Colorado DOT, Division of Aeronautics)	\$475,000	24	
10-02-32	Recognition of GHG Reduction Strategies in Emissions Inventories	Arlyn Purcell (Port Authority of New York and New Jersey)			
10-02-33	Evaluation of Treatment Alternatives for Runoff generated from Aircraft Deicing activities.	Janell Barrilleaux (Denver International Airport)	\$300,000	18	
10-02-34	Guidance for computation and use of understandable metrics of aircraft noise and its effects	Nicholas P. Miller (Harris Miller Miller & Hanson)	\$500,000	36	
10-02-35	Airport Community Annoyance and Noise Exposure	Hua (Bill) He (FAA, AEE-100 Noise Division)	\$700,000	30	
10-02-38	Guidance to Properly Model Environmental Impacts and Tradeoffs for Non-Standard Aircraft Procedures	Juliet Page (Wyle Laboratories, Acoustics Research Group Leader)	\$200,000	12	
10-02-39	Guidance Document for Helicopter Community Noise Prediction using Integrated Modeling	Juliet Page (Wyle Laboratories, Acoustics Research Group Leader)	\$150,000	12	
10-02-41	Best Practices for Assessment and Mitigation of Aircraft Noise-Induced Rattle	Natalia V. Sizov (Wyle Laboratories)	\$400,000	24	
10-02-42	Modeling Residential Noise Intrusion, Indoor Air Quality and Energy Efficiency	Kai Ming Li (Purdue University)	\$500,000	24	
10-02-43	Development of Best Practice Guidelines to Conduct Environmental Analysis of NextGen Navigational Procedures	Mary Ellen Eagan (Harris Miller Miller & Hanson Inc.)	\$350,000	12	

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10-02-45	Arrival Procedures to Mitigate Community Noise Closer to Airport Boundaries	Joseph Wat (Boeing R&T Acoustic Technology Group, the Boeing Company)		11	
10-02-50	Airport Environmental Management Systems Guidance for NextGen Goals/Targets	Paul DiBenedetto (FAA Office of Environment and Energy)	\$500,000	12	
10-02-53	Use of Isotopic Measurement and Analysis Approach to Uniquely Relate Aircraft Emissions to Changes in Ambient Air Quality	Mohan Gupta (FAA, Office of Environment & Energy)	\$600,000	18	
10-02-56	Taxi Noise Source Database Development	Hua (Bill) He (FAA, AEE-100 Noise Division)	\$400,000	18	
10-02-57	Reducing Emissions and Noise at Airports Through Bridge-Based HVAC Systems	Frank Lanzetta (FAA)	\$200,000	12	
10-03-02	Update, Extend and Expand VLJ Forecast Models Developed in ACRP 10-04	Richard Golaszewski (GRA, Incorporated)	\$250,000	14	✓
10-03-03	Update VLJ Forecasts to Reflect Recent Major Changes in Industry	Richard Golaszewski (GRA, Incorporated)	\$75,000	6	✓
10-03-05	Impact of Connecting Passenger Operations on Nationwide Airport and Air Traffic Control Systems	Robert L. Gilbert (Greater Orlando Aviation Authority)	\$300,000	6	✓
10-03-06	Estimating the Public Sector Investment Needed to Encourage HOV Access to Large Airports	Larry Kieman	\$500,000	24	✓
10-03-07	Best Practices in Optimizing Land Use Around Airports for Community Benefit	Larry Kieman	\$500,000	24	
10-03-09	Air Cargo Facility and Terminal Planning for Airports	Tom Phillips (Keiser Phillips Associates, TRB Committee on Airport Terminals and Ground Access)	\$250,000	12	
10-03-11	An online advanced integrated platform and metric system for perceptions and expectations assessment and measurement of quality of service and client satisfaction	Carlos Rosa (UNIDCOM-IADE)	\$450,000	18	
10-03-13	Estimating the Impact of Airport Delay on the National System	Yu Zhang (University of South Florida)	\$250,000	12	
10-03-16	A Comprehensive Strategic Business Model for Airports of the Future	David P. Hayzlett (Serco, Inc.,)	\$500,000	18	✓
10-03-18	Airport Ownership Analysis for Public-Use Airports	Jack W. Ferns (NHDOT/Division of Aeronautics, Rail & Transit)	\$400,000	24	✓
10-03-19	Methodology to Include Both Airport Gates and Runways into Airport Capacity Benchmark	Jianfeng Wang (George Mason University, Ctr for air transportation systems research)	\$400,000	12	
10-03-20	Air-Cargo Supply-Chain Disruption	Mark Friend (Embry-Riddle Aeronautical University)	\$250,000	12	
10-03-21	Improving Planning Partnerships between Airports and Metropolitan Planning Organizations	Delania Hardy (Association of Metropolitan Planning Organizations)	\$500,000	18	
10-03-23	Determining Appropriate Levels of Density near Airports	Stephanie A.D. Ward (Mead & Hunt, Inc.)	\$400,000	24	
10-03-25	Getting State Involvement in the Inter-city Aviation Planning Processes	George Schoener (The I-95 Corridor Coalition)	\$400,000	36	

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10-03-29	Economic Dimensions of Airport Land Use Compatibility - Case Studies	Mark R. Johnson (Ricondo & Associates)	\$400,000	24	
10-03-31	Guide to Managing Air Cargo Activity with Changing Economic Conditions and Regulatory Requirements	Richard G. Wilson (Ted Stevens Anchorage International Airport)			
10-03-32	Geographical Orientation of Domestic and International Air Cargo Markets	Rex J. Edwards (TranSystems)	\$400,000	24	
10-03-33	International Airport Studies Program	Geoffrey A. Rabinowitz (Airport Advantage Consulting)	\$500,000	12	✓
10-03-34	Intergovernmental Coordination of Federal and State Aviation Regulatory Programs	Richard E. Genday (Fran Strouse, Robert Kimball & Associates, Inc.)	\$420,000	18	
10-03-35	State Aviation Program Innovations	Richard E. Genday (Fran Strouse, Robert Kimball & Associates, Inc.)	\$325,000	18	
10-03-36	High Speed Rail and Short-Haul Air Travel in Corridors	Dipasis Bhadra (FAA/APO)	\$300,000	18	
10-03-37	Identifying and Assessing Non-Traditional Benefits of Airport Capacity Investments	Joe Hebert (FAA Financial Analysis and PFC Branch)	\$300,000	18	
10-03-38	A GIS Data Standards Template Tool	Robert Bonnani (Office of Airports/Aiport Safety & Standards)	\$300,000	18	
10-04-02	Integration of GIS in Communications and Cooperation between Airports and Community Emergency Management Agency Partners	James F. Smith (American Public University System)	\$100,000	9	
10-04-03	Measurement of Grooves on Airport Pavements	Monte Symons (Auburn University)	\$250,000	24	
10-04-04	Strategic Relationship Building	James F. Smith (American Public University System)	\$300,000	27	✓
10-04-05	Pandemic Response Collaboration	James F. Smith (American Public University System)	\$200,000	21	
10-04-06	Succession Planning to Maintain Emergency Preparedness and Response Capabilities	James F. Smith (American Public University System)	\$200,000	15	
10-04-07	Improving NIMS/ICS Implementation at Airports	James F. Smith (American Public University System)	\$400,000	27	
10-04-08	Optimizing cost-effectiveness of airport emergency preparedness expenditures	James F. Smith (American Public University System)	\$200,000	15	
10-04-09	Use of Integrated Emergency Communications Systems Such as WebEOC or E-Team for Regional Communication and Collaboration among Airports	James F. Smith (American Public University System)	\$400,000	39	
10-04-10	Safety Management System Software Prototype for Airport Operators	Chien-tsung Lu (and Brandeis Marshall and team, Purdue University, Dept. of Aviation Technology)	\$400,000	18	
10-04-11	How Turbulence Produced by Wind Turbine Generators (WTG) Impacts Flight Operations	Amy M. Schutzbach (Illinois DOT, Bureau of Materials and Physical Research)	\$400,000	12	
10-04-13	Developing a ground-based avian alert system to minimize bird strikes	Esteban Fernandez-Juricic (Purdue University, Dept. of Biological Sciences)	\$450,000	39	

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10-04-14	Using Emergency Locator Transmitters to support ARFF/EMS response	<i>Paul Cudmore (Eagle Integrated Solutions, Inc.)</i>	\$350,000	24	
10-04-15	Analysis of Emergency Management Practices at the U.S. Airports.	<i>George Blomme (Aviation Consulting and Amiy Varma, North Dakota University)</i>	\$400,000	18	
10-04-16	Development of a Safety Management System, Safety Risk Management Software Tool For Airports	<i>Michael Chaput (APS Aviation, Inc.)</i>	\$500,000	24	
10-04-17	Strategic Training on SMS Implementation for Different Airport Administration Levels	<i>Samuel Hautequest Cardoso (P.O. Box 4127)</i>	\$430,000	24	
10-04-18	Contribution of Wildlife Program Risk Analysis to Airports SMS Implementation	<i>Samuel Hautequest Cardoso (P.O. Box 4127)</i>	\$350,000	18	
10-04-19	Aircraft Accident Analysis Model for Catastrophic Event on a College Campus	<i>Charles Glass (and Emmerson Edwards, Texas Southern University, Aviation Science and Technology Dept.)</i>	\$1,000,000	24	
10-04-20	Isolation Identification following a Disaster	<i>Mark Friend (Embry-Riddle Aeronautical University)</i>	\$150,000	36	
10-04-22	General Aviation Accident Data Collection, Formatting and Archival Best Practices	<i>Christian M. Salmon (The George Washington University, Aviation Institute)</i>	\$300,000	18	
10-04-23	Maximizing the State of Indiana's Aviation Emergency Response Capabilities	<i>Stewart Schreckengast (Purdue University, Dept. of Aviation Technology)</i>	\$325,000	18	
10-04-26	REMOVED AT THE REQUEST OF SUBMITTER	<i>Frank Lanzetta (FAA)</i>			
10-04-27	Digital Crash Phone Systems	<i>John H. Purnell (Faith Group LLC)</i>	\$350,000	18	
10-04-28	Mitigating Runway Incursions utilizing a Safety Management System (SMS)	<i>Heidi A. Benaman (Faith Group, LLC)</i>	\$350,000	24	
10-04-29	Determine the minimum number of firefighters and officers per shift for the Aircraft Rescue and Fire Fighting (ARFF) department for ARFF Index A through E airports	<i>Armen Derhohannesian</i>	\$350,000	18	
10-04-30	Developing a Virtual Operations Center (VOC)	<i>John H. Purnell (Faith Group LLC)</i>	\$300,000	18	
10-04-31	Handbook of BMPs for airport cooperative emergency response	<i>James F. Smith (American Public University System)</i>	\$300,000	27	
10-04-33	REMOVED AT THE REQUEST OF SUBMITTER	<i>Keri Lyn Spencer (FAA, Airport Safety and Operations Division)</i>			
10-04-34	REMOVED AT THE REQUEST OF SUBMITTER	<i>Keri Lyn Spencer (FAA, Airport Safety and Operations Division)</i>			
10-05-01	Threat-based Assessment of Security at General Aviation Airports	<i>Alexander Kolpakov (University of South Florida, Center for Urban Transportation Research)</i>	\$400,000	18	
10-05-02	Impact of 100% Security Screening on Air Cargo Supply Chains	<i>Walt Beadling (Cayuga Partners)</i>	\$400,000	12	
10-05-03	Secure and Safe Delivery of Products and Supplies to Airport Sterile/Operational Areas	<i>Lori Beckman (Aviation Security Consulting, Inc.)</i>	\$500,000	14	

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10-05-04	A Security Guidebook for University-Operated GA Airports	<i>Chien-tsung Lu (and Brandeis Marshall and team, Purdue University, Dept. of Aviation Technology)</i>	\$350,000	18	
10-05-05	Airport Behavior Detection Technology	<i>Richard W. Bloom (Embry-Riddle Aeronautical University, Suite 205)</i>	\$450,000	12	
10-05-06	Quantifying Facility and Operation Integrity	<i>Kartik Ariyur (Purdue University, School of Mechanical Engineering)</i>			
10-06-01	Tools to Quantify the Resiliency Needs of Airport Workers	<i>Tom Murphy (Human Resiliency Institute at Fordham University)</i>	\$175,000	12	
10-06-02	Recruiting and Educating the Next Generation of Airport Leaders	<i>Theresa H. Schatz (ACRP/TRB/The National Academies)</i>	\$300,000	18	✓
10-06-03	NextEd for NextGen	<i>Tom H. Brown (NC State University, Institute for Transportation Research and Education)</i>	\$455,000	27	✓
10-07-01	Guidebook for Airport Terminal Signage	<i>Lawrence J.H. Schulze (and Christopher Chung, University of Houston, Dept. of Industrial Engineering)</i>	\$250,000	24	
10-07-02	Guidebook for Signage for Wayfinding on Airport Public Access Corridors	<i>Lawrence J.H. Schulze (and Christopher Chung, University of Houston, Dept. of Industrial Engineering)</i>	\$250,000	24	
10-07-03	Innovative Split Runway Design: Impact Study on Incursions, Sequences, and Fuel Economy	<i>Daniel G. Gellert (and Virginia P. Shogren, Aerospace Safety and Security, Inc.)</i>	\$400,000	18	
10-07-04	Successful Delivery of ICT (information communications technology) Services & Systems at Airports	<i>Al Lyons (Arup)</i>	\$430,000	18	
10-07-05	Planning Guidebook for Airport Personal Rapid Transit Systems (PRT)	<i>Peter J. Muller (PRT Consulting, Inc.)</i>	\$400,000	24	
10-07-07	Cost Effective Interior Space Modeling and Data Capture	<i>Sam Console (Philadelphia International Airport, Division of Aviation)</i>	\$260,000	16	
10-07-08	Improving Passenger Flow from the Entrance Road to the Aircraft Door	<i>Yu Zhang (University of South Florida)</i>	\$450,000	24	
10-07-11	Physical Security Design Criteria for New Airport Terminal Buildings	<i>Matt Barsotti (Protection Engineering Consultants, LLC)</i>	\$450,000	24	
10-07-13	Incorporating Strategic Flexibility in Airport Design Life Cycle Cost Analysis (LCCA)	<i>Nicola Chiara (Columbia University, Civil Engineering Dept.)</i>	\$300,000	24	
10-07-14	Decision Support Tool for Adaptive Information Technology Strategic Investments.	<i>Nicola Chiara (Columbia University, Civil Engineering Dept.)</i>	\$300,000	24	
10-07-15	Decision Making Tools for CCTV Installations in Airport Environments	<i>Hunter S. Fulghum (Faith Group LLC)</i>	\$425,000	18	
10-08-01	Suitability of Warm Mix Asphalt Design and Construction at U.S. Airfield Runways	<i>Ernie Heymsfield (University of Arkansas, Dept. of Engineering)</i>	\$450,000	30	
10-08-02	Removing Uncertainty from Project Delivery & Activation	<i>David Powell (Arup)</i>	\$450,000	15	
10-08-03	Develop AIP-eligible airfield pavement construction techniques that mitigate environmental impacts	<i>Jack W. Ferns (NHDOT/Division of Aeronautics, Rail & Transit)</i>	\$250,000	9	

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10-08-04	Improving Safety During Construction Activities Through Uniform Devices and Practices	<i>LuAnn Theiss (Texas Transportation Institute)</i>	\$400,000	24	
10-09-01	Minimizing Bird Hazards at Airports Through Vegetation Management	<i>Elizabeth Guertal (Auburn University, Turfgrass Soil Fertility, Dept. of Agronomy & Soils)</i>	\$328,500	33	
10-09-02	Subsurface Utilities Engineering for Airports	<i>Randy Murphy (Grafton Technologies, Inc.)</i>	\$250,000	18	
10-10-02	Prevention of Frost Development on Aircraft Surfaces	<i>Michael Chaput (APS Aviation, Inc.)</i>	\$400,000	22	
10-10-08	Improving Snow-Clearing Operations on Airport Runways	<i>Peter Tiffe (Wausau Equipment Company, Inc. and Paul Friedman)</i>	\$300,000	18	
10-10-09	Standardization of Runway Braking Action Assessment (snow covered runways)	<i>Jim Delong</i>	\$650,000	18	
10-10-10	Reducing Baggage Theft from Baggage Claim Areas	<i>Peter Mandle (Jacobs Consultancy)</i>	\$250,000	12	
10-10-11	Need of Greater Accountability of Airport Vehicles and Vehicle Operators	<i>Carlos Jose (Miami-Dade Aviation Dept., Facilities and Landside Management)</i>	\$400,000	12	
10-10-12	Mitigation of Airport Delays Caused by Severe Weather Events	<i>Tenny Lindholm (National Center for Atmospheric Research)</i>	\$250,000	24	
10-10-13	Modeling Approach for Rapid Assessment of Alternative Passenger/Baggage/Cargo Screening Technologies	<i>Kirk L. Hoy (Summit Engineering Group)</i>	\$270,000	18	
10-10-14	Improving Air Passenger Service under Irregular Operations	<i>Mark Hansen (University of California Berkeley)</i>	\$400,000	24	
10-10-15	Airport Evacuation Simulation	<i>Manuel D. Rossetti (University of Arkansas, Dept. of Industrial Engineering)</i>	\$170,000	36	
10-10-17	Designing for Disrupted Aviation Operations and Valuing Solutions: Triangulating on Effective Responses by Airports, Air Carriers, and Air Traffic Control	<i>Nan Shellabarger (FAA, Office of Aviation Policy and Plans)</i>	\$450,000	21	
			Total	\$44,538,500	