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Total Problem Statements: 98

Problem Statement Number	Title / Submitter (Agency)	Author Funding Amount	Duration (Months)	Date Submitted
17-03-07	Optimal Intervention Design for Infectious Disease Mitigation in Airports Peng Wei (Iowa State University)	\$300,000	24	03/11/2016
17-04-09	Statewide and Regional Consortia for Emergency Training and Exercises for Small Airports A11-03/S04-17 Project Panel	\$300,000	--	03/17/2016
17-04-12	Training and Exercise Guidance for Local Law Enforcement A11-03/S04-17 Project Panel	\$300,000	--	03/17/2016
17-04-13	Measuring Effectiveness of Airport Emergency Communications A11-03/S04-17 Project Panel	\$350,000	--	03/17/2016
18-01-01	Identify and Develop Fair Market Values For Rates, Leases, and Land at Small Airports That Do Not Have Comparables Jeff Kadlec (Yellowstone Airport, Montana Dept. of Transportation)	--	--	03/07/2017
18-01-02	Update to Marketing Guide for Small Airports Dixie Button (Department of Business Administration--Embry-Riddle Aeronautical University Worldwide)	\$400,000	12	03/16/2017
18-01-03	Beauty and Meaning: How the Arts Can Serve Airports Ian L. Todreas (ERG, Inc.)	\$250,000	18	03/19/2017
18-01-04	Renewable Energy as an Airport Revenue Source Thomas P. Thatcher (LR Kimball)	\$320,000	18	03/19/2017

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18-01-05	Innovative Practices and Strategies Used By State Aviation Agencies Thomas P. Thatcher (LR Kimball)	\$335,000	18	03/17/2017
18-01-06	Best Practices for the Safest, Most Efficient and Customer Centric Processing of Departing Passengers and Checked Baggage Waguih F. Ouess (former System Director with Pan American World Airways)	\$225,000	18	03/18/2017
18-01-07	Defining Industrial Aviation and Industrial Aviation Airports A11-03/S01-14 Project Panel	\$120,000	15	03/11/2017
18-01-08	Metrics That Can Allow Industrial Aviation to Access FAA Funding for Infrastructure A11-03/S01-14 Project Panel	\$150,000	18	03/11/2017
18-01-09	How Airports Have Successfully Worked with the FAA to Fund Infrastructure for Potential Industrial Aviation Tenants A11-03/S01-14 Project Panel	\$120,000	15	03/11/2017
18-01-10	Evolution of Airport Roles in Life Cycle of Industrial Aviation Development A11-03/S01-14 Project Panel	\$150,000	21	03/11/2017
18-01-11	Fair Market Value and Fair Market Rents Procedures Suitable for Industrial Aviation Airports A11-03/S01-14 Project Panel	\$120,000	18	03/11/2017
18-01-12	Industrial Aviation-Related Goal Statements for Use in Airport Master Plans and Layout Plans A11-03/S01-14 Project Panel	\$200,000	21	03/11/2017

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18-01-13	Effective Model for Land Management Role by Airport instead of Historical Facilities Development and Management Role A11-03/S01-14 Project Panel	\$300,000	15	03/11/2017
18-01-14	Methods and Criteria for Quantifying Public or Common Use Infrastructure Investment Associated with Industrial Aviation Development A11-03/S01-14 Project Panel	\$300,000	20	03/11/2017
18-01-15	Does Use of a Specialized Financial Consultant Benefit an Airport Seeking Industrial Aviation Development A11-03/S01-14 Project Panel	\$150,000	15	03/11/2017
18-01-16	Guidebook for Developing State Aviation System Plans Mark Kimberling (Submitted by Mead & Hunt on behalf of NASAO)	\$300,000	18	03/20/2017
18-01-17	Best Practices for State Aeronautics Division Performance Measures Mark Kimberling (Submitted by Mead & Hunt on behalf of NASAO)	\$350,000	18	03/20/2017
18-01-18	Apps for Airports Robert Samis (FAA)	--	--	--
18-01-19	Guidebook for Managing State Aviation Systems Clayton Stambaugh (Illinois DOT)	\$350,000	18	03/20/2017
18-01-20	Fair Market Values at Small Airports Jeff Kadlec (Yellowstone Airport, Montana Dept. of Transportation)	\$20,000	12	03/20/2018

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18-01-21	Evaluating the Value, Benefits, and Limitations of Qualifications Based Selection (QBS) Regan A. Schnug (Mead & Hunt)	\$200,000	12	03/20/2017
18-01-22	Public Private Partnerships (PPPs) – Is the US Ready for Full Privatization? Christopher A. Poinatte (DFW Airport)	\$500,000	18	03/28/2017
18-02-01	Alternative Anti-Icing Airfield Runway Systems Ernie Heymsfield (University of Arkansas, Dept. of Civil Engineering and Thomas J. Yager NASA Langley Research Center)	\$450,000	30	03/07/2017
18-02-02	Advanced Airport Stormwater Management Training Courses Dean Mericas (Mead & Hunt Inc. and Karen Miller)	\$300,000	24	03/18/2017
18-02-03	Methods for Evaluating Airfield Pavement Deicer Contributions to Airport Stormwater Quality Dean Mericas (Mead & Hunt Inc.)	\$350,000	20	03/18/2017
18-02-04	Benefit-Cost Analysis of Airport Water Efficiency Programs Richard A. Krop (The Cadmus Group Inc)	\$400,000	20	03/20/2017
18-02-05	Commercial Space Vehicle Emissions Modeling Roger Wayson (Wyle, Inc.)	\$450,000	24	03/20/2017
18-02-06	Development of a Space Vehicle Flight Profile Database for AEDT Kevin A. Bradley (Wyle Laboratories)	\$240,000	20	03/20/2017
18-02-07	Introduction to Airport Air Quality - A Video for Public Stakeholders Philip Soucacos (Booz-Allen Hamilton)	\$300,000	14	03/20/2017

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18-02-08	Advancing Airport Transportation to Achieve Zero-Emissions Status Philip Soucacos (Booz-Allen Hamilton)	\$400,000	18	03/20/2017
18-02-09	Preparations for AvGas Replacement Fuel Transition Philip Soucacos (Booz-Allen Hamilton)	\$150,000	12	03/20/2017
18-02-10	Assessing Fine and Ultra-Fine Particulate Matter (UFP) and Airport Activities Philip Soucacos (Booz-Allen Hamilton)	\$300,000	18	03/20/2018
18-02-11	Social Data Framework for Airports' Sustainability Initiatives Amandine Coudert (Booz Allen Hamilton and Florida Institute of Technology)	\$400,000	18	03/20/2017
18-02-12	Noise Compatibility Planning Review and Best Practices Christopher A. Rozansky (Naples Airport Authority)	\$300,000	12	03/20/2017
18-02-13	Measuring Quality of Life in Communities Surrounding Airports Katherine Preston (HMMH)	\$400,000	16	03/20/2017
18-02-14	Sustainable Aviation Jet Fuel Economic Benefits Toolkit for Airports Adam Klauber (RMI/Carbon War Room, 29 East 19th Street)	\$500,000	15	03/20/2017
18-02-15	Exploiting High Resolution Spatiotemporal Population Distribution Data and Dynamics Modeling for Aviation Noise Research and Noise Impact Studies Hua (Bill) He (Federal Aviation Administration, Noise Division, Office of Environment and Energy)	\$180,000	12	03/20/2017

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18-02-16	Feasibility of Active Noise Reduction of Ground-based Aircraft Operations Joseph J. Czech (HMMH Inc.)	\$300,000	18	03/20/2017
18-02-17	Guidebook for Airports Evaluating Alternative Fuels through Benefit-Cost Analysis (BCA) Geoff Morrison (The Cadmus Group, Inc.)	\$400,000	18	03/20/2017
18-02-18	Airport Noise Monitoring Data Review and Station Placement Recommendations Eric Boeker (Volpe National Transportation System Center,U.S. Department of Transportation)	\$200,000	12	03/20/2017
18-03-01	Automation of the Airside Vehicle Operations Lloyd McComb (and Andrew Kirchhoff, Chair, AV050, Terminals and Ground Access Standing Committee)	\$400,000	18	03/19/2017
18-03-02	Redeveloping Airport Parking Facilities for New Sources of Non-Aeronautical Revenue Max Hirsh (University of Hong Kong)	\$450,000	24	03/19/2017
18-03-03	Guide for Predicting Real-time Airfield Capacity Yu Zhang (University of South Florida)	\$300,000	24	03/19/2017
18-03-04	Preserving General Aviation Airports Through the Purchase of Land Development Rights Thomas P. Thatcher (LR Kimball)	\$325,000	16	03/17/2017
18-03-05	Air Passenger Values of Time and Qualitative Travel Attributes Geoffrey D. Gosling (Aviation System Consulting, LLC)	\$450,000	24	03/20/2017

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18-03-06	Impacts to the Aviation System of Extreme Weather Events Richard Billings (ERG)	\$300,000	18	03/19/2017
18-03-07	Passenger Information Flow in Communicable Disease Incidents A11-03/S03-12 Project Panel	\$250,000	18	03/11/2017
18-03-08	Security Issues Facing Public Health Officials Responding to Communicable Disease Incidents at Airports A11-03/S03-12 Project Panel	\$150,000	15	03/15/2017
18-03-09	Risks of Transmission of Disease on Aircraft and in Aviation Settings-- Update A11-03/S03-12 Project Panel	\$400,000	21	03/15/2017
18-03-10	Dealing with Human Reaction to Word of Communicable Disease at an Airport A11-03/S03-12 Project Panel	\$300,000	18	03/15/2017
18-03-11	Effectiveness of Recent Public Health Strategies for Managing Communicable Disease Transmission by Air A11-03/S03-12 Project Panel	\$500,000	27	03/15/2017
18-03-12	Linking Changes in Air Service Connectivity with Productivity and Economic Development Steven Landau (Economic Development Resesarch Group, Inc., Geoffrey Gosling, and David Gillent)	\$450,000	24	03/20/2017
18-03-13	Analysis of Air Passenger and Cargo Demand at Airports Located in U.S. Border Regions Arturo Bujanda (Aviation Economics and Forecasting Committee member (AV040) and Thomas Fullerton, Univ of Texas)	\$500,000	12	03/20/2017

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18-03-14	Using Data Mining to Predict the Risk of Flight Delays at U.S. Airports – A Delay Prediction Toolkit Dothang Truong (Embry-Riddle Aeronautical University)	\$400,000	18	03/20/2017
18-03-15	Incorporating Airport's Unique Needs into Highway Planning, Design, and Construction Jennifer Fuller (Division of Aviation, North Carolina DOT)	\$350,000	18	03/20/2017
18-03-16	Identification of Barriers to and Suggested Best Practices for Adoption of FAA-compliant GIS by U.S. Airports Andrew Walter (The Jones Payne Group)	--	--	--
18-03-17	Best Practices for Determining Practical Capacity for Airports Timothy Swing (ATAC Corporation)	--	--	--
18-03-18	Demonstrate and Evaluate Air Traffic Management Technologies and Procedures for Low Activity Airports Steve Bradford (ANG Architecture & NextGEN Development)	\$1,000,000	24	03/20/2017
18-03-19	Understanding Implications of Regional Curfews on U.S. Airport Operations Kristi McKenney (Port of Oakland)	\$300,000	12	03/20/2017
18-03-20	Improving Airport Master Planning Through Meaningful Stakeholder and Public Participation Simon Mosbath (WSP Parsons Brinckerhoff, U.S. Advisory Services)	\$250,000	15	03/20/2017
18-03-21	Airport Geospatial Data Solution for Data Analysis, Sharing, and Visualization Caitlin Willoughby (Booz Allen Hamilton)	\$500,000	12	03/20/2017

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18-03-22	Measuring the Impact of Temporary Flight Restrictions on Airports Donald L. Mayer (Aircraft Owners and Pilots Association, and John McGraw, and Douglas Carr)	\$400,000	24	03/20/2017
18-04-01	Evaluation of the Wildlife Hazard Management Risk Assessment Tool (WHaMRAT) for Aviation Safety Russell P. DeFusco (BASH, Inc)	\$500,000	24	03/13/2017
18-04-02	Developing Arresting Systems for Small Aircraft at General Aviation Airports Thomas F. Mahoney (MassDOT, Aeronautics Division, Logan Office Center and Nicholas Alex, County of San Diego)	\$350,000	18	03/19/2017
18-04-03	Assessment of the Effectiveness of Airport Emergency Planning Standards Timothy Riecker (Emergency Preparedness Solutions, LLC)	\$250,000	18	03/20/2017
18-04-04	Development of Airport Incident Command System (ICS) Training Timothy Riecker (Emergency Preparedness Solutions, LLC)	\$320,000	18	03/20/2017
18-04-05	Development of TERA Facilitator Training for Airport Scenarios Timothy Riecker (Emergency Preparedness Solutions, LLC)	\$300,000	18	03/20/2017
18-04-06	Guidebook for Creating and Maintaining Social Media for Emergency Management at Airports A11-03/S04-18 Project Panel	\$600,000	27	03/11/2017
18-04-07	Model Pre-scripted Announcements, Warnings, and Notifications for Airport Social Media during Emergencies A11-03/S04-18 Project Panel	\$200,000	15	03/15/2017

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18-04-08	Means of Validation and Verification of Social Media-Derived Intelligence for Use by Airports A11-03/S04-18 Project Panel	\$300,000	24	03/15/2017
18-04-09	Incorporation of Social Media for Emergency Management (SMEM) into Web-based Emergency Management Collaboration Software and EOC Functions at Airports A11-03/S04-18 Project Panel	\$200,000	15	03/15/2017
18-06-01	Achieving Meaningful Surface Transportation Options for Airport Employees for Their Work Base Trips K.L. (Dan) Wong (Prince Sultan University, College of Business Administration)	\$200,000	18	03/15/2017
18-06-02	Identifying and Measuring the Qualitative/ Quantitative Impact of Business Diversity Programs Deborah C. McElroy (ACI - NA (Airport Council International))	\$350,000	18	03/17/2017
18-06-03	Managing Fatigue in Airport Operations Kevin Gregory (San Jose State University Research Foundation, NASA Ames Research Center, and team)	\$285,000	18	03/20/2017
18-06-04	Handbook of Diversity and Inclusion Best Practices for Airports Nils Klinkenberg (The Cadmus Group, Inc.)	\$300,000	18	03/20/2017
18-07-01	Planning Guidebook of Aircraft Characteristics Nathan Cuvala (T-O Engineers, and Chris Pomeroy, Friedman Memorial Airport)	\$300,000	18	03/07/2017
18-07-02	Airside Planning, Design And Operations: Electronic Resources Library Gael LE BRIS (WSP Parsons Brinckerhoff)	\$300,000	15	03/06/2017

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18-07-03	Guidance for Planning, Design and Construction Bridge Structures over Taxiways Michael Witiw (Port of Seattle)	\$350,000	12	03/07/2017
18-07-04	Ancillary Airport Terminal Restroom Spaces Planning and Design Alan W. Howell (Metropolitan Airports Commission)	\$350,000	16	03/14/2017
18-07-05	Aviation Symbol System & Guidelines Jim Harding (Gresham, Smith & Partners and Mies Hora, Ultimate Symbol)	\$500,000	21	03/20/2017
18-08-01	Identification of Factors Behind Construction Related Accidents/Incidents During Airport Infrastructure Improvement Projects: Information Models and Data-driven Methodologies Semiha Ergan (NYU)	--	--	--
18-08-02	Guidelines on Runway strip and RESA Bearing Capacity and Altimetric Levelling to Meet International Standards Antonio Massida (TRB AV070 Aircraft;and Dr. Maurizio Crispino, Maurizio.crispino@polimi)	\$500,000	18	03/20/2018
18-09-01	Assessing the Potential for Japanese Knotweed to Damage Airport Pavements Noah J. Karberg (Nantucket Memorial Airport)	\$300,000	15	03/01/2017
18-09-02	Integrated and Comprehensive Management of GA Airport Maintenance Operations Thomas P. Thatcher (LR Kimball)	\$345,000	18	03/17/2017
18-09-03	LED Runway and Taxiway Light Operation and Maintenance Considerations Thomas P. Thatcher (LR Kimball)	\$310,000	18	03/17/2017

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18-09-04	Airport Sewer Non-invasive Inspection, Repair, and Replacement Option Guidance Robert Kostinec (Minnesota Pollution Control Agency, Rochester Office)	\$350,000	18	03/17/2017
18-09-05	LED Lighting in Airports Yingfeng Li (Virginia Tech Transportation Institute)	--	--	--
18-09-06	Effective Removal and Temporary Application of Airfield Pavement Markings Gael LE BRIS (WSP Parsons Brinckerhoff)	\$500,000	18	03/08/2017
18-10-01	Effects of TNCS on Airport Revenues and Operations Peter Mandle (InterVISTAS Consulting Inc. for ACRP Project 11-03)	\$175,000	9	03/01/2017
18-10-02	Expanding the Capabilities of the Aircraft Accident Management and Guidance (AAMG) Tool Kenneth P. Neubaer (Futron Aviation Corporation)	\$275,000	18	03/17/2017
18-10-03	Evaluating the Effectiveness of Airport Wildlife Hazard Management Plan Implementation Thomas P. Thatcher (LR Kimball)	\$370,000	18	03/17/2017
18-10-04	Identification and Analysis of Issues Relating to the Adoption of Agricultural Implement Automation Systems to Airfield Snow Removal Operations Richard Marchi (600 Water Street, SW # 8-2)	\$400,000	18	03/20/2017
18-10-05	Unmanned Aircraft Systems (UAS) Integration, Impact, and Risk Mark Kimberling (Submitted by Mead & Hunt on behalf of NASAO)	\$500,000	18	03/20/2017

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18-10-06	Airport Microgrid Implementation Toolkit	\$550,000	18	02/20/2017

Adam Klauber (RMI/Carbon War Room, 29 East 19th Street)