

10/19/2011	Proposals						
Submit Date	PI Name	Dept	Project Title	Agency	Total	Proposed Start Date	Proposed End Date
8/31/2011	Boehm, Robert	Center for Energy Research	Southwest Solar Transformation Initiative (SSTI)	Strategic Energy Innovations	20,790	1/1/2012	12/31/2012
7/1/2011	Kachroo, Pushkin	Transportation Research Center	Field Test of the Vehicle Miles Traveled (VMT) Study	NV Department of Transportation	248,540	7/1/2011	9/30/2011
8/25/2011	Ahmad, Saijad	Civil & Env Engineering	Long Lead-Time Stream Flow Estimating Using Reconstructed Tree Ring Data	Arizona State University	756	8/18/2011	10/14/2011
8/22/2011	Muthukumar, Venkatesan	Elec & Comp Engineering	Arc Flash Hazard Analysis	Clark County Department of Public Works	248,932	9/1/2011	8/31/2012
	Dangeti, Mukund	Co-PI					
7/1/2011	Kachroo, Pushkin	Transportation Research Center	Arterial Performance Measurement System in Las Vegas	Atkins North America, Inc.	27,000	7/1/2011	12/31/2011
8/12/2011	Selvaraj, Henry	Elec & Comp Engineering	Optimizing the Overall Operational Cost of Multi-Source Data Structures	National Aeronautics and Space Administration	1,041,775	3/1/2012	2/28/2015
8/16/2011	Culbreth, William	Mechanical Engineering	Structure-Borne Noise Test of Next Generation Air Particle Detector (NGAPD) Task - 27	National Security Technologies	5,000	8/25/2011	9/30/2011
7/25/2011	Zhao, Hui	Mechanical Engineering	CAREER: Microfluidic and Nanofluidic Energy Conversion Using Super-Hydrophobic Surfaces	National Science Foundation	400,277	5/1/2012	4/30/2017
7/26/2011	Said, Aly	Civil & Env Engineering	CAREER: Durability of Concrete Incorporating Supplementary Cementitious Materials and Nano-Silica Under Combined Environmental and Structural Loading	National Science Foundation	410,000	3/1/2012	2/28/2017
8/8/2011	O'Brien, Robert	Mechanical Engineering	Modeling of Various Neutron Irradiation Chambers Phase 2 - Task 15	National Security Technologies	8,000	2/24/2011	7/31/2011
7/15/2011	Batista, Jacimaria	Civil & Env Engineering	Biogas Production Enhancement with Municipal Biosolids	Arizona State University	756	8/18/2011	10/14/2011
7/29/2011	Breen, Erin	Transportation Research Center	Center for Safety and Outreach (Safe Communities Partnership)	Nevada Office of Traffic Safety	6,875	10/1/2010	9/30/2011
8/2/2011	Boehm, Robert	Center for Energy Research	Industrial Assessment Centers	U.S. Department of Energy	1,750,000	10/1/2011	9/30/2016
7/19/2011	Shrestha, Pramen	Civil & Env Engineering	Heat Exposure Training Under Susan Harwood Grant	Occupational Safety and Health Administration	130,008	9/30/2011	9/29/2012
	Menzel, Nancy	Co-PI					
7/14/2011	Yfantis, Evangelos	School of Computer Science	Feasibility Study for Age Dating of Mixed SNM - Task 24	National Security Technologies	21,381	8/2/2011	12/31/2011
7/1/2011	Baqhzouz, Yahia	Elec & Comp Engineering	Recovery Act: A Nationwide Consortium of Universities to Revitalize Electric Power Engineering Education	University of Minnesota-FPT	10,241,922	7/30/2010	7/29/2012
7/26/2011	Morris, Brendan	Elec & Comp Engineering	NSF EPSCoR RII UNLV Task 6 (Cyber) Faculty Start Up	EPSCoR/National Science Foundation	11/20/2164	8/1/2011	8/31/2012
7/26/2011	Latifi, Sharam	Elec & Comp Engineering	NSF EPSCoR RII UNLV Task 6 (Cyber)	EPSCoR/National Science Foundation	6/27/2072	9/1/2008	8/31/2012
7/26/2011	Stephen, Haroon	Civil & Env Engineering	NSF EPSCoR RII UNLV Task 4 (Water) Faculty Start Up	EPSCoR/National Science Foundation	11/20/2164	8/1/2011	8/31/2012
7/13/2011	O'Brien, Robert	Mechanical Engineering	Performing Modeling and Calculations in Support of DPF Systems - Task 21-1	National Security Technologies	6/29/1957	7/22/2011	9/30/2011
7/27/2011	O'Brien, Robert	Mechanical Engineering	Irradiated Sample Processing - Task 23	National Security Technologies	1/17/2030	7/27/2011	9/30/2011
9/27/2011	Mauer, Georg	Mechanical Engineering	A Cooperative Program to Increase Engineering Recruitment and Retention in Southern Nevada	National Science Foundation	12/29/7373	8/1/2012	7/31/2017
	O'Toole, Brendan	Co-PI					
9/15/2011	Trabia, Mohamed	Mechanical Engineering	Adaptive, Sensorized and Finger-Wearable Electrotactile Braille (E-Braille) Display	National Science Foundation	3/13/2260	2/1/2012	1/31/2015
12/2/2011	Batista, Jacimaria	Civil & Env Engineering	Performance Investigation of the EBPR System at the City of North Las Vegas Water Reclamation Facility	City of North Las Vegas	54,687	1/1/2012	6/30/2012
12/7/2011	Jiang, Yintao	Elec & Comp Engineering	High Speed Electronics, Using Novel Wide Bandgap Semiconductor Devices - Task 32	National Security Technologies	50,000	11/1/2011	9/30/2012
12/7/2011	Teng, Hualiang	Civil & Env Engineering	Development of a Web Course on High Speed Rail	National Collegiate Inventors and Innovators Alliance	50,000	1/1/2012	12/30/2012
11/14/2011	Zhao, Hui	Mechanical Engineering	Mathematical Modeling of Nonlinear Diffuse-Charge Dynamics of Ionic Liquids at Large Voltages	National Science Foundation	183,753	7/1/2012	6/30/2015
11/18/2011	Regentova, Emma	Elec & Comp Engineering	Advanced Computer Vision, Robotics, and Visualization Algorithms for Improving Planetary Exploration and Understanding - State Match	NV System of Higher Education	14,977	9/1/2011	5/13/2013
11/2/2011	O'Toole, Brendan	Clr for Materials & Structures	Hands-On Multidisciplinary Engineering Course With a STEM Educator Workshop Component	Nevada System of Higher Education	27,775	1/1/2012	12/31/2012
	Kachroo, Pushkin	Co-PI					
11/28/2011	Zhao, Hui	Mechanical Engineering	Fundamental Underpinnings of Charging Dynamics of Ionic Liquids in Electrochemical Capacitors with Applications to Electrical Energy Storage	U.S. Department of Energy	750,340	7/1/2012	6/30/2017
11/28/2011	Das, Biswajit	Nevada Nanotechnology Center	Blood Flow Measurement Telemetry System	NV System of Higher Education	1,000	9/1/2011	5/31/2012
12/16/2011	Bein, Wolfqanq	School of Computer Science	Online Algorithms: The Server Problem and Related Problems	National Science Foundation	461,273	6/1/2012	5/30/2015
	Larmore, Lawrence	Co-PI					
12/21/2011	Kachroo, Pushkin	Transportation Research Center	Driving Simulator: Development and Outreach for Distracted Driving	State Farm Insurance	40,850	1/1/2012	12/31/2012
12/21/2011	Kachroo, Pushkin	Transportation Research Center	Center for Smart and Resilient Transportation Systems: A Technology Integration and Acceleration Center	Rochester Institute of Technology-FPT	1,050,000	2/1/2012	1/31/2014
	Morris, Brendan	Co-PI					
	O'Toole, Brendan	Co-PI					
	Paz-Cruz, Alexander	Co-PI					
	Stephen, Haroon	Co-PI					
12/16/2011	Wang, Zhiyong	Mechanical Engineering	Fostering and Commercialization of Engineering Senior Design Projects on Environment and the Health and Welfare of Humans	National Collegiate Inventors and Innovators Alliance	46,200	9/1/2012	5/30/2014
11/22/2011	Breen, Erin	Transportation Research Center	Community Center for Traffic Safety Education and Outreach	Nevada Office of Traffic Safety	15,000	10/4/2011	9/30/2012
11/22/2011	Breen, Erin	Transportation Research Center	STARS: Supporting Teens and Roadway Safety	Nevada Office of Traffic Safety	25,000	10/1/2011	9/30/2012
11/22/2011	Kachroo, Pushkin	Transportation Research Center	Nighttime Seat Belt Usage Surveys	Nevada Office of Traffic Safety	3,500	10/1/2011	9/30/2012
	Paz-Cruz, Alexander	Co-PI					
11/22/2011	Kachroo, Pushkin	Transportation Research Center	Daytime Seatbelt Usage Surveys	Nevada Office of Traffic Safety	6,500	10/1/2011	9/30/2012
	Paz-Cruz, Alexander	Co-PI					
12/21/2011	Sadineni, Suresh	Center for Energy Research	Technical and Financial Feasibility of Solar Projects in India	Greenway Solar Pvt Ltd	25,844	1/1/2012	7/31/2012
11/10/2011	Breen, Erin	Transportation Research Center	Pedestrian Safety Awareness	Nevada Office of Traffic Safety	20,000	11/22/2011	9/30/2012
11/1/2011	Latifi, Sharam	Elec & Comp Engineering	Liquid Crystal-Based Beam Steering for Wireless Power Transmission in Space	Nevada System of Higher Education	19,429	1/1/2012	12/31/2012

11/2/2011	Yim, Woonsoon	Mechanical Engineering	Collaborative NRI-Small: Novel Robotic Catheterization Based Upon Artificial Muscle	National Science Foundation	198,126	7/1/2012	6/30/2014
10/14/2011	Shrestha, Pramen Menzel, Nancy	Civil & Env Engineering Co-PI	Overcoming Obstacles to Use of Prevention Through Design (PTD) in Construction	Centers for Disease Control	143,698	7/1/2012	6/30/2014
10/21/2011	Hayes, Donald Teng, Huailiang	Civil & Env Engineering Co-PI	Solaris: Sustaining the Operability of Large Area Rural-Urban Infrastructures and Services	University of Nevada, Reno	400,000	2/1/2012	1/31/2014
11/1/2011	O'Brien, Robert Culbreth, William	Mechanical Engineering Co-PI	DPF Modeling and Experimental Support - Task 30	National Security Technologies	29,611	10/27/2011	1/31/2012
10/3/2011	Pepper, Darrell	NV Ctr for Adv Comp Methods	CHT 12 Participation in an International Symposium	National Science Foundation	15,750	11/1/2011	10/31/2012
10/27/2011	Ghafoori, Nader	Civil & Env Engineering	Use of Geotextile for Strengthening and Reducing Roadway Structural Sections	NV Department of Transportation	798,792	1/1/2012	12/31/2012
10/11/2011	Latifi, Sharam	Elec & Comp Engineering	NSF EPSCoR RII UNLV Task 6 (Cyber)	EPSCoR/National Science Foundation	55,716	9/1/2008	8/31/2012
10/3/2011	Breen, Erin	Transportation Research Center	STARS: Supporting Teens and Roadway Safety	Nevada Office of Traffic Safety	20,000	10/1/2011	9/30/2012
10/5/2011	Kim, Yoohwan	School of Computer Science	Smart Grid WNM Communication Algorithm Support - Task 29	National Security Technologies	36,000	10/11/2011	9/30/2012
10/3/2011	O'Toole, Brendan	Ctr for Materials & Structures	Mobile Solar Street Light Prototype Fabrication	TyTre Inc	16,521	7/1/2011	6/30/2012
10/12/2011	Kachroo, Pushkin	Transportation Research Center	User Interface and Data Processing Project for NDOT	Nevada Department of Transportation	56,028	10/1/2011	3/31/2013
10/13/2011	Zhao, Hui	Mechanical Engineering	A Novel Approach to Measure Physical Activity Using Micro/Nanofluidics	National Institutes of Health	1,500,000	9/30/2012	7/31/2017
10/7/2011	Yang, Mei	Elec & Comp Engineering	Collaborative Research: High Performance Circuit Switched Photonic Network-on-Chip Architecture with Optical Signaling	National Science Foundation	269,987	5/1/2012	4/30/2015
	Jiang, Yinqiao	Co-PI					
10/10/2011	Zhao, Hui Jiang, Yinqiao	Mechanical Engineering Co-PI	Innovative Nanoantenna-Enhanced Florescence Spectroscopy	National Institutes of Health	531,125	7/1/2012	6/30/2015
10/7/2011	Schill, Robert	Elec & Comp Engineering	Charge Segregation in a Dense Non-Equilibrium Plasma Pinch	National Science Foundation	841,070	1/15/2012	1/14/2015
10/19/2011	Hayes, Donald	Civil & Env Engineering	Gulf Intracoastal Waterway Bank Restoration Using Wave Suppressor Sediment Collection (WSSC) System	University of Louisiana, Lafayette	80,000	1/1/2012	12/31/2014
10/19/2011	Hayes, Donald Teng, Huailiang	Civil & Env Engineering Co-PI	National Transit Research Consortium	San Jose State University	150,000	1/1/2012	12/31/2013
10/21/2011	Boehm, Robert	Center for Energy Research	Low Cost High Concentration Photovoltaic Systems for Utility Power Generation	Amonix - Federal Pass Through	50,000	7/1/2011	4/30/2012
1/18/2012	Zhao, Hui	Mechanical Engineering	Super-Hydrophobic Surface Enabled Portable Low-Cost, High-Efficiency, High Power Microfluidic Energy Harvesting Devices	Advanced Research Projects Agency	299,954	7/1/2012	6/30/2014
1/11/2012	Breen, Erin	Transportation Research Center	Community Center for Traffic Safety Education and Outreach	Nevada Office of Traffic Safety	50,000	10/4/2011	9/30/2012
2/2/2012	Breen, Erin	Transportation Research Center	Community Center for Traffic Safety Education and Outreach	Nevada Office of Traffic Safety	5,053	10/4/2011	9/30/2012
1/11/2012	Kachroo, Pushkin Paz-Cruz, Alexander	Transportation Research Center Co-PI	Daytime Seatbelt Usage Surveys	Nevada Office of Traffic Safety	21,373	10/1/2011	9/30/2012
1/11/2012	Kachroo, Pushkin Paz-Cruz, Alexander	Transportation Research Center Co-PI	Nighttime Seat Belt Usage Surveys	Nevada Office of Traffic Safety	25,218	10/1/2011	9/30/2012
1/11/2012	Kachroo, Pushkin	Transportation Research Center	Evaluation of Child Safety Seat Usage and Related Programs in Nevada	Nevada Office of Traffic Safety	18,365	11/14/2011	9/30/2012
1/20/2012	Teng, Huailiang	Civil & Environmntl Eng & Const	Graduate Assistance in Areas of National Need of High Speed Rail	U.S. Department of Education	495,129	7/1/2012	6/30/2015
2/6/2012	Kachroo, Pushkin	Transportation Research Center	Neutron Tomography - Refinement of Analytic and Stochastic Multiple Detector Models - Task 36	National Security Technologies	59,492	2/8/2012	9/30/2012
1/3/2012	Culbreth, William	Mechanical Engineering	Gas Puff Modeling and Experiments for Dense Plasma Focus Accelerations - Task 35	National Security Technologies	29,998	1/18/2012	6/30/2012
1/30/2012	Schill, Robert	Ctr Eng Matrls Tech (EMITION)	Gamma Detection, Location and Characterization Based on Inverse Compton Scattering Techniques	National Nuclear Security Administration	750,000	9/1/2012	9/1/2015
	Culbreth, William	Co-PI					
3/8/2012	Teng, Huailiang	Civil & Environmntl Eng & Const	Dwight David Eisenhower Transportation Fellowship Program 2012 Eisenhower Graduate Fellowship Application	U.S. Department of Transportation	97,762	7/1/2012	6/30/2015
3/8/2012	Hayes, Donald	Civil & Environmntl Eng & Const	Testing Novel Remediation Techniques of Oiled Marshes Using Artificial Wetlands	University of Louisiana, Lafayette	287,904	7/1/2012	6/30/2015
3/9/2012	Jo, Ju-Yeon	Computer Science	Information Assurance Scholarship Program at UNLV	U.S. Department of Defense	74,215	8/1/2012	7/31/2013
	Berghel, Harold	Co-PI					
	Kim, Yoohwan	Co-PI					
2/9/2012	Kachroo, Pushkin	Transportation Research Center	Real-Time Traffic Data Laboratory for Research, Education and Training	Regional Transportation Commission of So. Nevada	126,252	2/9/2012	1/31/2014
3/1/2012	Batista, Jacimaria	Civil & Environmntl Eng & Const	Energy Consumption and Carbon Foot-Print of Wastewater Treatment - Phase 1 - Detailed Study of the Aeration System	Clark County Water Reclamation District	22,033	4/3/2012	6/30/2012
	Ahmad, Sajjad	Co-PI					
2/29/2012	Yfantis, Evangelos	Computer Science	Oral Presentation at MARC IX - Task 37	National Security Technologies	4,382	3/1/2012	3/31/2012
2/6/2012	Trabia, Mohamed	Mechanical Engineering	SHB: Type 1 (EXP): Collaborative Research: Smart Finger-Wearable Assistive Display for the Wellbeing of the Blind and Visually Impaired	National Science Foundation	384,038	8/15/2012	8/14/2015
2/16/2012	O'Toole, Brendan	Ctr for Materials & Structures	NASA EPSCoR Travel Award	EPSCoR/National Aeronautics & Space Administration	6,100	12/6/2011	3/31/2013
	Trabia, Mohamed	Co-PI					
	Thota, Jaqadeep	Co-PI					
1/31/2012	Latifi, Sharam	Elec & Comp Engineering	NASA EPSCoR Travel Award	EPSCoR/National Aeronautics & Space Administration	3,953	12/6/2011	3/31/2013
2/16/2012	Zhao, Hui	Mechanical Engineering	Microfluidic Energy Conversion Over Super-Hydrophobic Surfaces	National Science Foundation	269,143	8/1/2012	7/31/2015
2/16/2012	Zhao, Hui	Mechanical Engineering	Collaborative Research: Flow Effects in Dielectrophoresis-Directed Assembly of Colloidal Particles	National Science Foundation	179,684	9/1/2012	8/31/2015

1/26/2012	Das, Biswajit	Elec & Comp Engineering	MRI: Development of Equipment for Controlled Synthesis of Nanotubes and Nanowires	National Science Foundation	681,134	9/1/2012	8/31/2016
1/11/2012	Breen, Erin	Transportation Research Center	STARS: Supporting Teens and Roadway Safety	Nevada Office of Traffic Safety	27,992	10/1/2011	9/30/2012
1/26/2012	Das, Biswajit	Elec & Comp Engineering	MRI: Acquisition of Laser Micromachining Equipment for MEMS, Nano and Microfluidic Research	National Science Foundation	537,694	9/1/2012	8/31/2014
1/11/2012	Jiang, Yingtao van Breukelen, Frank Zhao, Hui Jiang, Yingtao	Co-PI Co-PI Co-PI Elec & Comp Engineering	MAX Operation in Statistical Static Timing Analysis on the Non-Gaussian Variation Sources	National Aeronautics and Space Administration	66,000	8/1/2012	7/31/2016
2/6/2012	Kachroo, Pushkin	Transportation Research Center	Using Maximum-a-Posteriori Algorithm - Abu Baker NCHRP Project 07-19: Methods and Technologies for Collecting Pedestrian and Bicycle Volume Data	Rutgers University	20,000	7/1/2012	6/30/2013
2/1/2012	Culbreth, William Lowe, Daniel Schill, Robert	Mechanical Engineering Co-PI Co-PI	Fission Reactor Development Using Direct Energy Conversion	U.S. Department of Energy	392,294	10/1/2012	9/30/2014
2/7/2012	Boehm, Robert	Center for Energy Research	Integrating Energy Sustainability into Engineering Education	Louisiana State University	394,606	7/1/2012	6/30/2017
1/19/2012	Sun, Ke-Xun Kim, Eunja Panq, Tao	Elec & Comp Engineering Co-PI Co-PI	Dynamic Space Charge Effects - Task 33	National Security Technologies	49,608	1/16/2012	9/30/2012
3/12/2012	Culbreth, William Lowe, Daniel O'Brien, Robert	Mechanical Engineering Co-PI Co-PI	Gas Puff Nozzle Design and Implementation on a Dense Plasma Focus to Enhance Neutron Resonance Spectroscopy Experiments	National Nuclear Security Administration	893,497	9/1/2012	8/31/2015
6/20/2012	Breen, Erin	Transportation Research Center	Pedestrian Safety Awareness	Nevada Office of Traffic Safety	75,000	11/22/2011	9/30/2012
6/29/2012	Sun, Ke-Xun	Elec & Comp Engineering	Enabling Sciences and Technologies for Next Generation HEDP Diagnostics	National Nuclear Security Administration	14,999,507	10/1/2012	9/30/2017
6/25/2012	Baghzouz, Yahia	Elec & Comp Engineering	Recovery Act: A Nationwide Consortium of Universities to Revitalize Electric Power Engineering Education by State-of-the-Art Laboratories - ARRA	University of Minnesota-FPT	8,333	7/30/2010	7/29/2013
6/27/2012	Yim, Woosoon	Mechanical Engineering	Hydrological Database Interface	Sandia National Laboratories	30,000	4/1/2011	12/31/2012
6/4/2012	Pepper, Darrell	NV Ctr for Adv Comp Methods	An LES Turbulence Model Using CBS with HP-Adaptive FEM for KIVA Combustion Code	Los Alamos Nat'l Lab	64,893	7/8/2012	8/17/2013
6/1/2012	Paz-Cruz, Alexander Shrestha, Pramen	Civil & Environmntl Eng & Const Co-PI	Establishing a Methodology to Evaluate Teen Driver Training Program	Wisconsin Department of Transportation	85,234	1/1/2013	12/31/2013
4/18/2012	Paz-Cruz, Alexander	Transportation Research Center	Development of a Comprehensive Database for the Safety Engineering Division at the Nevada Department of Transportation	NV Department of Transportation	199,408	5/30/2012	6/30/2014
4/18/2012	Kachroo, Pushkin Paz-Cruz, Alexander	Co-PI Transportation Research Center	Development of a Comprehensive Database for the Safety Engineering Division at the Nevada Department of Transportation	Nevada Department of Transportation	12,463	5/30/2012	6/30/2014
6/4/2012	Kachroo, Pushkin Kachroo, Pushkin Paz-Cruz, Alexander	Co-PI Transportation Research Center Co-PI	Nighttime Seat Belt Usage Surveys	Nevada Office of Traffic Safety	5,000	10/1/2011	9/30/2012
6/4/2012	Kachroo, Pushkin Paz-Cruz, Alexander	Transportation Research Center Co-PI	Daytime Seatbelt Usage Surveys	Nevada Office of Traffic Safety	32,293	10/1/2011	9/30/2012
6/15/2012	Shrestha, Pramen	Civil & Environmntl Eng & Const	Evaluation of Alternative Project Delivery Methods in Water and Waster Water Facilities Construction	Water Design Build Council	74,432	7/1/2012	12/31/2012
5/17/2012	Batista, Jacimaria Shrestha, Pramen Menzel, Nancy	Co-PI Civil & Environmntl Eng & Const Co-PI	Fall Protection Training for Southern Nevada Workers	Occupational Safety and Health Administration	119,330	9/1/2012	8/30/2013
6/13/2012	Zhao, Hui	Mechanical Engineering	Development of a Multi-Scale Mathematical Model for Chip-Based Chromatography	National Institutes of Health	140,048	5/1/2013	4/30/2015
6/15/2012	Kachroo, Pushkin	Transportation Research Center	Field Test of the Vehicle Miles Traveled (VMT) Study	NV Department of Transportation	392,000	6/1/2012	12/31/2012
5/4/2012	Yanq, Mei	Elec & Comp Engineering	High-Performance 3-D Photonic-Electronic Networks-On-Chip Architectures	Google.org	56,000	9/1/2012	8/31/2013
4/9/2012	Breen, Erin	Transportation Research Center	Community Center for Traffic Safety Education and Outreach	Nevada Office of Traffic Safety	290,298	10/1/2012	9/30/2013
4/9/2012	Breen, Erin	Transportation Research Center	STARS - Supporting Teens and Roadway Safety	Nevada Office of Traffic Safety	142,946	10/1/2012	9/30/2013
4/12/2012	Chen, Yitunq	Center for Energy Research	Nanoparticles-Mediated Fluoride/Chloride-Based HOT Fluids for Concentrated Solar Power	University of North Texas	453,148	10/1/2012	9/30/2017
4/30/2012	Latifi, Sharam	Elec & Comp Engineering	Design and Development of a Laser Beam Controller for Wireless Power Transmission in Space	Nevada System of Higher Education	19,429	7/1/2012	6/30/2013

4/30/2012	Yang, Mei	Elec & Comp Engineering	High-Performance and Energy-Efficient Hybrid Photonic-Electronic Networks-on-Chip for Embedded Systems: Architecture, Design Framework and Integrations	Advanced Research Projects Agency	1,188,556	8/15/2012	2/14/2018
	Jiang, Yingtao	Co-PI					
	Zhang, Lei	Co-PI					
4/2/2012	Chen, Yitunq	Center for Energy Research	UNLV to Perform TGA Analysis	General Atomics Corporation	2,523	3/28/2012	4/30/2012
5/17/2012	Paz-Cruz, Alexander	Transportation Research Center	Upgrade and Calibration of a Dynamic Traffic Assignment Model for the Las Vegas Roadway Network and Development of a Tool to Generate CORSIM Models from Assignment	Nevada Department of Transportation	135,000	5/30/2012	6/30/2013
	Morris, Brendan	Co-PI					
4/19/2012	Morris, Brendan	Transportation Research Center	Next Generation Performance Monitoring Data Needs for Nevada DOT	NV Department of Transportation	105,058	2/1/2013	1/31/2014
	Paz-Cruz, Alexander	Co-PI					
4/20/2012	Teng, Hualiang	Civil & Environmntl Eng & Const	Field Test of Speed Warning System on Freeways in Las Vegas, Nevada	NV Department of Transportation	84,234	10/1/2012	9/30/2013
4/19/2012	Paz-Cruz, Alexander	Civil & Environmntl Eng & Const	The Effectiveness of Driver Education and Information Programs in Nevada	NV Department of Transportation	120,975	7/1/2012	6/30/2013
	Kachroo, Pushkin	Co-PI					
	Shrestha, Pramen	Co-PI					
4/19/2012	Paz-Cruz, Alexander	Civil & Environmntl Eng & Const	Right-Turn Traffic Volume Adjustment in Traffic Signal Warrants	NV Department of Transportation	89,617	7/1/2012	6/30/2014
	Morris, Brendan	Co-PI					
4/9/2012	Morris, Brendan	Transportation Research Center	Study of Technologies to Improve Speed Limit Compliance	Nevada Office of Traffic Safety	47,117	8/1/2013	9/30/2014
4/9/2012	Teng, Hualiang	Civil & Environmntl Eng & Const	Investigation of Intersection Sight Distance Problem and Its Relationship to Crashes in Nevada	Nevada Office of Traffic Safety	178,836	10/1/2012	9/30/2014
	Morris, Brendan	Co-PI					
4/9/2012	Teng, Hualiang	Civil & Environmntl Eng & Const	Front Seats Daytime Seat Belt Usage Survey	Nevada Office of Traffic Safety	70,494	10/1/2012	9/30/2013
4/6/2012	Paz-Cruz, Alexander	Civil & Environmntl Eng & Const	The Effectiveness of Driver Education and Information Programs in Nevada	Nevada Office of Traffic Safety	53,031	7/1/2012	6/30/2013
	Kachroo, Pushkin	Co-PI					
4/9/2012	Paz-Cruz, Alexander	Civil & Environmntl Eng & Const	Development of an Innovative Driving School Program for Recurrent Violators	Nevada Office of Traffic Safety	53,031	7/1/2012	6/30/2013
	Kachroo, Pushkin	Co-PI					
5/9/2012	Teng, Hualiang	Civil & Environmntl Eng & Const	Development of Traffic Safety Courses for Police Officers in Nevada	Nevada Office of Traffic Safety	49,136	10/1/2012	9/30/2013
	Kaseko, Mohamed	Co-PI					
4/2/2012	Sun, Ke-Xun	Elec & Comp Engineering	Space Qualified High Efficiency Diffractive Optical Elements and High Resolution Hyperspectral Imaging System from UV to IR	National Aeronautics and Space Administration	499,480	10/1/2012	9/30/2013
4/6/2012	Kachroo, Pushkin	Transportation Research Center	Nighttime Seat Belt Usage Surveys	Nevada Office of Traffic Safety	55,020	10/1/2012	9/30/2013
4/6/2012	Kachroo, Pushkin	Transportation Research Center	Daytime Seatbelt Usage Surveys	Nevada Office of Traffic Safety	70,384	10/1/2012	9/30/2013
4/6/2012	Kachroo, Pushkin	Transportation Research Center	Integration of Analysis of Traffic and Trauma Data Associated with Traffic Crashes	Nevada Office of Traffic Safety	42,297	10/1/2012	9/30/2013
4/5/2012	Yim, Woosoon	Mechanical Engineering	II NEW: Collaborative Research: Robotic Catheterization Using Ionic Polymer-Metal Composite Actuator	National Science Foundation	88,011	6/1/2010	5/31/2013
4/12/2012	Trabia, Mohamed	Mechanical Engineering	Structural Blast Loading	Blast Containment Inc-FPT	115,299	1/1/2009	6/30/2012
	O'Toole, Brendan	Co-PI					
4/17/2012	Jo, Ju-Yeon	Computer Science	Collaborative Research: Capacity Building: STRONG Alliance: Southwest Partnership for IA Workforce	National Science Foundation	297,282	1/1/2013	12/31/2015
	Kim, Yoohwan	Co-PI					
4/23/2012	Muthukumar, Venkatesan	Elec & Comp Engineering	Automated Pedestrian Detection, Count and Analysis System	NV Department of Transportation	81,889	1/1/2013	12/31/2013
	Regentova, Emma	Co-PI					
4/20/2012	Shrestha, Pramen	Civil & Environmntl Eng & Const	Automated Intersection Volume Counts Using Existing Signal Control Devices and Sensors - Phase 1	NV Department of Transportation	127,279	1/1/2013	12/31/2014
	Gewali, Laxmi	Co-PI					
	Paz-Cruz, Alexander	Co-PI					
4/20/2012	Ghafoori, Nader	Civil & Environmntl Eng & Const	Development of Specifications for Engineered Cementitious Composites for Use in Bridge Deck Overlays	NV Department of Transportation	164,897	1/2/2013	12/31/2014
4/20/2012	Ghafoori, Nader	Civil & Environmntl Eng & Const	Evaluation of Pervious Concrete Mixes in Areas Subjected to Snow Plow Operations and Abrasive and Salt Applications	NV Department of Transportation	163,915	1/20/2013	12/31/2015
4/19/2012	Wang, Zhiyong	Mechanical Engineering	Technology Commercialization Program for Engineering Projects of Environment and the Health and Welfare of Humans	National Collegiate Inventors and Innovators Alliance	28,600	1/1/2013	12/31/2016
06/25/2012	Baghzouz, Yahia	Elec & Comp Engineering	Recovery Act: A Nationwide Consortium of Universities to Revitalize Electric Power Engineering Education by State-of-the-Art Laboratories - ARRA	University of Minnesota-FPT	8,333	7/30/2010	7/29/2013
06/27/2012	Yim, Woosoon	Mechanical Engineering	Hydrological Database Interface	Sandia National Laboratories	30,000	4/1/2011	12/31/2012
04/05/2012	Yim, Woosoon	Mechanical Engineering	II NEW: Collaborative Research: Robotic Catheterization Using Ionic Polymer-Metal Composite Actuator	National Science Foundation	88,011	6/1/2010	5/31/2013
04/02/2012	Chen, Yitunq	Center for Energy Research	UNLV to Perform TGA Analysis	General Atomics Corporation	2,523	3/28/2012	4/30/2012
05/17/2012	Paz-Cruz, Alexander	Transportation Research Center	Upgrade and Calibration of a Dynamic Traffic Assignment Model for the Las Vegas Roadway Network and Development of a Tool to Generate CORSIM Models from Assignment	Nevada Department of Transportation	135,000	5/30/2012	6/30/2013
	Morris, Brendan	Co-PI					
05/23/2012	Paz-Cruz, Alexander	Transportation Research Center	Development of a Comprehensive Database for the Safety Engineering Division at the Nevada Department of Transportation	NV Department of Transportation	236,795	5/30/2012	6/30/2014
	Kachroo, Pushkin	Co-PI					
05/23/2012	Paz-Cruz, Alexander	Transportation Research Center	Development of a Comprehensive Database for the Safety Engineering Division at the Nevada Department of Transportation	Nevada Department of Transportation	12,463	5/30/2012	6/30/2014

06/20/2012	Kachroo, Pushkin Breen, Erin	Co-PI Transportation Research Center	Pedestrian Safety Awareness	Nevada Office of Traffic Safety	75,000	11/22/2011	9/30/2012
06/04/2012	Kachroo, Pushkin Paz-Cruz, Alexander	Transportation Research Center Co-PI	Nighttime Seat Belt Usage Surveys	Nevada Office of Traffic Safety	5,000	10/1/2011	9/30/2012
06/04/2012	Kachroo, Pushkin Paz-Cruz, Alexander	Transportation Research Center Co-PI	Daytime Seatbelt Usage Surveys	Nevada Office of Traffic Safety	32,293	10/1/2011	9/30/2012
04/12/2012	Trabia, Mohamed O'Toole, Brendan	Mechanical Engineering Co-PI	Structural Blast Loading	Blast Containment Inc-FPT	115,299	1/1/2009	6/30/2012
04/03/2012	Balista, Jacimaria	Civil & Environmntl Eng & Const	Energy Consumption and Carbon Foot-Print of Wastewater Treatment - Phase 1 - Detailed Study of the Aeration System	Clark County Water Reclamation District	22,033	4/3/2012	6/30/2012
06/04/2012	Ahmad, Sajjad Breen, Erin	Co-PI Transportation Research Center	Community Center for Traffic Safety Education and Outreach	Nevada Office of Traffic Safety	45,053	10/4/2011	9/30/2012
06/11/2012	Latifi, Sharam	Elec & Comp Engineering	Remote Detection of WMD Based on Hyperspectral Data Processing	Defense Threat Reduction Agency	156,957	6/15/2012	6/14/2015
04/02/2012	Boehm, Robert	Center for Energy Research	Southwest Solar Transformation Initiative (SSTI)	Strategic Energy Innovations	16,932	3/1/2012	2/28/2013
				<b>Total</b>	<b>43,189,163</b>		
				<b>Average</b>	<b>289,860</b>		
				<b>Number of Proposals</b>	<b>149</b>		