

**ROBERT B. JACKO**  
**Professor, Civil Engineering**  
**Purdue University**

**RESEARCH**

<b>Year</b>	<b>Sponsor</b>	<b>Topic</b>	<b>Involvement</b>
2005	Joint Transportation Research Project	Applicability of Borman Decision Tree/ITS Management Tool to Other Expressway Systems	PI
2004	Joint Transportation Research Project	ITS Strategies for Minimization of Fine Particulates	PI
2004	Joint Transportation Research Project	Blind Pedestrians and Their Ability to Navigate Indiana Intersections-A Review of the Technology Available for Audible Signs	PI
2002	Joint Transportation Research Project	Continuation of Research to Determine the Effectiveness of ITS on Borman Expressway Air Quality	PI
2000	National Science Foundation	Pharmaceutical Powder Unipolar Ion Dust Control System	PI
1999	National Science Foundation	The Effect of Pharmaceutical Powder Chargability on Blend Uniformity	PI
1998	Indiana Department of Transportation	Effectiveness of the Borman Expressway ITS Program on Local Air Quality	PI
1998	U.S. Dept. of Education	Sustainable Manufacturing via Integration of Environmental Engineering and Business Factors	Co-PI
1998	National Science Foundation	The Effect of Pharmaceutical Powder Chargability on Blend Uniformity	PI
1997	Indiana Department of Transportation	Worker Exposure to Airborne Contaminants When Using Waste Foundry Sand in the Construction of Road Embankments	PI
1996-1998	Indiana Department of Transportation	Integration of Real Time Air Pollution Parameters into the Decision Making Process Regarding Highway Construction Work Zone Traffic Flow Improvements	PI
1995-1996	Eli Lilly	Pharmaceutical Powder Process "Dustiness"	Co-PI, 50%/Prof. Dane Kildsig
1994-1996	Indiana Department of Transportation	O <sub>3</sub> Impact Analysis of Mobile Sources	PI
1993-1994	Indiana Department of Transportation	Northwest Indiana Emission Inventory Analysis	PI

1993-1994	Congressional Fellowship	U.S. House of Representatives Committee on Science, Space and Technology	PI
1993,94, 95, 96, 97, 98	NIOSH	Industrial Hygiene Training Program Grant	Co-PI, 5% Prof. Frank Rosenthal
1989-1991	Subaru-Isuzu	Measurement of Atmospheric Ozone Concentrations	PI
1989-1991	City of Indianapolis, Depart. Public Works	Plume Opacity Study	Co-PI, 90% / Prof. Wukasch