

**A NATIONAL UNIVERSITY TRANSPORTATION CENTER  
AT MISSOURI UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**CENTER FOR TRANSPORTATION  
INFRASTRUCTURE  
AND SAFETY**

**ADVANCED MATERIALS, TRANSITION-STATE FUELS AND  
NON-DESTRUCTIVE TESTING TECHNOLOGIES**

**Fifth Year Annual Report**  
July 1, 2010 – June 30, 2011

**PART C: PERFORMANCE INDICATOR REPORT**

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**Fifth Year Annual Report  
Part C: Performance Indicator Report**

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## GOAL 1 – EDUCATION

A multidisciplinary program of course work and experiential learning that reinforces the Center's mission and theme.

### Performance Indicator 1

Information about the Center's transportation education program for the academic year(s) being reported (Year V), in comparison with the baseline (Base) provided in the Appendix of the Center's Strategic Plan.

<b>Transportation Education</b>	<b>Base</b>	<b>2010-2011</b>
1a. Cumulative number of transportation-related courses:	89	<b>63</b>
Undergraduate:	43	<b>32</b>
Graduate:	46	<b>31</b>
1b. Number of students participating in transportation research projects:	149	<b>273</b>
Undergraduate:	118	<b>198</b>
Graduate:	29	<b>75</b>

## GOAL 2 - HUMAN RESOURCES

An increased number of students, faculty and staff who are attracted to and substantively involved in the undergraduate, graduate and professional programs of the Center.

### Performance Indicator 2

Information about the Center's transportation education program for the academic year(s) being reported (Year V), in comparison with the baseline data (Base) provided in the Appendix of the Center's Strategic Plan.

Human Resources	Master's		Doctorate		Total	
	Base	2010-2011	Base	2010-2011	Base	2010-2011
2a. Cumulative number of transportation-related advanced degree programs	5	5	5	5	10	10
2b. Numbers of Students Enrolled	13	43	16	32	29	75
2c. Number of Students Receiving Degrees	1	18	2	4	3	22

## GOAL 3 - RESEARCH SELECTION

An objective process for selecting and reviewing research that balances multiple objectives of the program.

### Performance Indicator 3

Information about the Center's transportation research selection process during the academic year(s) being reported (Year V).

Transportation Research Selection	2010-2011
3a. Research Projects Awarded by Center	<b>19</b>
3b. Number of those projects that you consider to be:	
basic research	<b>10</b>
advanced research	<b>0</b>
applied research	<b>9</b>
3c. Total Budgeted Costs for Those Projects	<b>\$1,579,220*</b>

\* \$ Grand total includes NUTC match, non-federal and federal totals, but not administrative expenses, which total \$319,083.

## GOAL 4 - RESEARCH PERFORMANCE

An ongoing program of basic and applied research, the products of which are judged by peers or other experts in the field, to advance the body of knowledge in transportation.

### Performance Indicator 4

Information about the Center's transportation research performance during the academic year(s) being reported (Year V):

Transportation Research Performance	2010-2011
4a. Number of reports issued that resulted from transportation research projects funded by the NUTC grant.	19
4b. Number of transportation research papers presented at academic/professional meetings that resulted from projects funded by the NUTC grant.	30

\* Performance is defined as a meritorious accomplishment, such as distinguished service awards, best paper award, fellow member, etc.

## GOAL 5 - TECHNOLOGY TRANSFER

Availability of research results to potential users in a form that can be directly implemented, utilized or otherwise applied.

### Performance Indicator 5

Information about the Center's technology transfer and outreach efforts during the academic year(s) being reported (Year V):

Technology Transfer	2010-2011
5a. Number of Transportation Seminars, Symposia, Distance Learning Classes, etc., Conducted for Practicing Professionals	126
5b. Number of transportation professionals participating in those events.	3,318