

## University Transportation Centers Program Performance Indicators

UTC Name: Center for Connected Multimodal Mobility							
University: Clemson University							
Grant #: 69A3551747117							
Reporting Period: 11/30/16 - 09/30/17							
Performance Indicators	Consortium	Consortium Member 1	Consortium Member 2	Consortium Member 3	Consortium Member 4	Consortium Member 5	Consortium Member 6
	Total	CU	BC	USC	SCSU	TC	Acronym
<b>1. Number of transportation-related courses offered during the reporting period that were taught by faculty and/or teaching assistants who are associated with the UTC</b>							
Undergraduate courses	21	5	7	4	1	4	0
Graduate courses	17	10	0	4	3	0	0
<b>2. Number of students participating in transportation research projects during the reporting period funded by this grant</b>							
Undergraduate students in research	26	22	4	0	0	0	0
Graduate students in research	26	19	0	4	3	0	0
<b>3. Number of transportation-related advanced degree programs that utilize grant funds during the reporting period to support graduate students</b>							
Masters level programs	3	1	0	1	1	0	0
Doctoral level programs	2	1	0	1	0	0	0
<b>4. Number of students supported by this grant during the reporting period</b>							
Undergraduate students	5	1	4	0	0	0	0
Masters students	4	1	0	0	3	0	0
Doctoral students	9	5	0	4	0	0	0
<b>5. Number of degrees awarded during the reporting period to students supported by this grant</b>							
Undergraduate degrees	0	0	0	0	0	0	0
Masters degrees	1	1	0	0	0	0	0
Doctoral degrees	0	0	0	0	0	0	0
<b>6. Number and total dollar value of research projects selected for funding during the reporting period using UTC grant funds (Federal and/or Recipient Share) that you consider to be applied research and advanced research</b>							
Number of applied research projects	8	0	2	0	4	2	0
Dollar value of applied research projects	\$ 788,746.30	\$ -	\$ 430,000.00	\$ 200,000.00	\$ 85,561.30	\$ 73,185.00	\$ -
Number of advanced research projects	1	1	0	0	0	0	0
Dollar value of advanced research projects	\$ 395,500.00	\$ 395,500.00	\$ -	\$ -	\$ -	\$ -	\$ -

**Part II – UTC-Specific Performance Indicators**

<b>UTC Name</b>	<b>Center for Connected Multimodal Mobility</b>
<b>University</b>	<b>Clemson University</b>
<b>Grant #</b>	<b>69A3551747117</b>
<b>Reporting Period</b>	<b>11/01/16 - 09/30/17</b>

<b>Category and Performance Metric</b>	<b>October 30th, 2017</b>	<b>CU</b>	<b>BC</b>	<b>USC</b>	<b>SCSU</b>	<b>TC</b>
<b>Research</b>	<b>Total</b>					
Research projects (ongoing and completed)	20	8	2	4	4	2
Multi-institutional projects	13	7	2	2	0	2
Projects involving industry partners	3	2	0	0	0	1
<b>Student participation in research</b>						
Graduate Students	27	19	1	4	3	0
Undergraduate Students	26	22	4	0	0	0
<b>Students supported by UTC</b>	18	7	4	4	3	0
Peer Reviewed Journal articles	8	8	0	0	0	0
Conference Publications	12	11	1	0	0	0
<b>Leadership</b>						
Positions in governing bodies: number of national committees and board memberships	14	4	0	4	0	6
Positions on editorial boards	6	4	0	1	1	0
Positions in conference leadership	6	2	0	3	0	1
Invited talks given	3	2	0	0	1	0
Leadership and research rewards given	9	5	1	0	0	3
<b>Education</b>						
<b>UTC related courses offered</b>						
Undergraduate	14	5	2	2	1	4
Graduate	14	10	0	1	3	0
Theses produced	1	1	0	0	0	0
Dissertations produced	0	0	0	0	0	0
Student authored publications	11	10	1	0	0	0
Student presented presentations	5	4	1	0	0	0
<b>Distinguished speakers hosted</b>	7	4	0	0	0	3
Participants attending	155	35	0	0	0	120
<b>Conferences/Seminars offered</b>	0	0	0	0	0	0
Participants attending	0	0	0	0	0	0
<b>Workshops offered</b>	0	0	0	0	0	0
Participants attending	0	0	0	0	0	0
<b>Webinars Offered</b>	1	1	0	0	0	0
Participants attending	35	35	0	0	0	0
<b>Internships</b>	1	1	0	0	0	0
<b>K-12 programs offered</b>	8	2	1	1	0	4
Participants attending	594	39	45	30	0	480
<b>Technology Transfer</b>						
Technology demonstrations given	3	3	0	0	0	0

Conference technology presentations	7	7	0	0	0	0
Books and guide books	0	0	0	0	0	0
<b>Collaboration and Diversity</b>						
<b>Consortium collaborations</b>						
Events held	5	3	1	0	1	0
Research	13	7	4	0	0	2
Publications	4	4	0	0	0	0
Courses/Training	0	0	0	0	0	0
<b>Industry collaborations</b>						
Research	3	1	0	0	0	2
Publications	0	0	0	0	0	0
Courses/Training	0	0	0	0	0	0
<b>Membership in professional associati</b>	22	4	0	3	3	15
<b>Diversity activities</b>	5	2	1	1	0	1
<b>Recruitment activities</b>	9	1	1	1	1	5

Performance Indicator	Definition
<p><b>Indicator #1</b>            Number of transportation-related courses offered during the reporting period that were taught by faculty and/or teaching assistants who were associated with the UTC            -Undergraduate courses            -Graduate courses</p>	<p>In this indicator report the number of undergraduate and graduate transportation-related courses. "Associated" means a faculty member or teaching assistant who receives federal and/or matching funds through the Center to conduct research; and/or a faculty member or teaching assistant who participates actively in education and outreach activities funded by the UTC grant.</p>
<p><b>Indicator #2</b>            Number of students participating in transportation research projects during the reporting period funded by this grant            -Undergraduate students in research            -Graduate students in reseach</p>	<p>In this indicator report the number of undergraduate and graduate students involved in research projects funded by the grant, whether the student receives compensation or not. <i>One example of non-compensated involvement: As part of a course requirement, the student collects or analyzes data for a transportation research project, but is not compensated.</i></p>
<p><b>Indicator #3</b>            Number of transportation-related advanced degree programs that utilize grant funds during the reporting period to support graduate students            -Masters level programs            -Doctoral level programs</p>	<p>In this indicator report the number of all advanced degree (masters and doctoral) programs that involved students supported through UTC federal funds and/or match.</p>
<p><b>Indicator #4</b>            Number of students supported by this grant during the reporting period            -Undergraduate students            -Masters level students            -Doctoral level students</p>	<p>In this indicator report the number of undergraduate, masters and doctoral students who received financial support from the UTC federal funds and/or match in the form of tuition relief, wages or stipend.</p>
<p><b>Indicator #5</b>            Number of degrees awarded during the reporting period to students supported by this grant            -Undergraduate degrees            -Masters' level degrees            -Doctoral level degrees</p>	<p>In this indicator report the number of undergraduate, masters and doctoral degrees awarded to students who received financial support from the UTC federal funds and/or match during all or any part of their studies AND received their degrees during the reporting period.</p>
<p><b>Indicator #6</b>            Number and total dollar value of research projects selected for funding during the reporting period using UTC grant funds (Federal and/or Recipient) that you consider to be applied research and advanced research            -Number of applied research projects            -Dollar value of applied research projects            -Number of advanced research projects            -Dollar value of advanced research projects</p>	<p>In this indicator report the number of applied and advanced research projects selected during the reporting period and their estimated budget (federal and match funds). <b>If an on-going project was selected to receive additional funding, it should be counted as a phase 2, a continuation or a modification.</b></p> <p><b>Definitions of applied and advanced research</b></p> <p><u>Applied Research</u>            The systematic study to gain knowledge or understanding necessary for determining the means by which a recognized and specific need may be met.            (OMB Circular A-11)</p> <p><u>Advanced Research</u>            An intermediate research effort between basic research (study to understand fundamental aspects of phenomena without specific applications in mind) and applied research. Study that bridges basic research and applied research, and includes transformational change rather than incremental advances. The investigation into the use of basic research results to an area of application without a specific problem to resolve.</p>