

Performance Indicators for University Transportation Centers (UTCs)
Portland State University

Submitted to: U.S. Department of Transportation
Research and Innovative Technology Administration (RITA)

Grant Number: DTRT12-G-UTC15

Project Title: University Transportation Center
National Institute for Transportation and Communities (NITC)

Consortia members: Portland State University (PSU), University of Oregon (UO), Oregon Institute of Technology (OIT), University of Utah (UU)

Program Director: Jennifer Dill, Ph.D.
Professor
Director, Oregon Transportation Research & Education Center at PSU
jdill@pdx.edu
503-725-2855

Submitting Official: same as above

Submission Date: January 30, 2016

DUNS: 05-222-6800

Recipient Organization: Portland State University
PO Box 751
Portland, OR 97207-0751

Grant Period: January 2, 2012 – January 30, 2017

Reporting Period End Date: December 31, 2015

Report Term: Annual

Signature:



Part I – Program-Wide Indicators

Program-wide Indicators	
<p>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.</p> <ul style="list-style-type: none"> • Undergraduate courses <u>56</u> • Graduate courses <u>58</u> <p>These numbers include the Winter 2015, Spring 2015 and Fall 2015 courses. The NITC National report includes overlap with the Winter and Spring 2015 numbers for PSU, OU, OR Tech and UU.</p>	
<p>2. Number of students participating in transportation research projects funded by this grant</p> <ul style="list-style-type: none"> • Undergraduate students <u>51</u> • Graduate students <u>122</u> 	
<p>3. Number of transportation-related advanced degree programs that utilize grant funds to support graduate students.</p> <ul style="list-style-type: none"> • Master’s Level Programs <u>11</u> • Doctoral Level Programs <u>5</u> 	
<p>4. Number of graduate students supported by this grant</p> <ul style="list-style-type: none"> • Master’s Level Students Supported <u>120</u> • Doctoral Level Students Supported <u>39</u> 	
<p>5. Number of students supported by this grant who received degrees</p> <ul style="list-style-type: none"> • Master’s Level Degrees <u>175</u> • Doctoral Level Degrees <u>18</u> 	
<p>6. Number and total dollar value of research projects selected for funding using UTC grant funds (Federal and/or Recipient Share) that you consider to be applied research and advanced research:</p> <ul style="list-style-type: none"> • Applied research projects & dollar value <u>38 projects, \$ 7,167,187 of UTC\$ and match</u> • Advanced research projects & dollar value <u>7 projects, \$ 1,127,023 UTC\$ and match</u> <p><u>Note: these numbers now include match as required by OST-R as of 9/30/15</u></p>	

Part II – UTC-Specific Indicators

Report here the annual performance metrics that you identified in your application for each category below, include the description of the indicator and the corresponding metric.

In the event that a sub-grantee university participates in more than one UTC, include only the metrics corresponding with your grant.

Category	Measure	Metric																																		
1. Research	Number of transportation faculty and researchers, by discipline and rank	<p>By Discipline</p> <table border="1"> <tr><td>Architecture</td><td>3</td></tr> <tr><td>Business Administration</td><td>1</td></tr> <tr><td>Chemistry</td><td>1</td></tr> <tr><td>Computer Science/Systems Engineering</td><td>6</td></tr> <tr><td>Economics</td><td>1</td></tr> <tr><td>Education</td><td>2</td></tr> <tr><td>Geography</td><td>5</td></tr> <tr><td>Industrial Design</td><td>1</td></tr> <tr><td>Mechanical Engineering</td><td>3</td></tr> <tr><td>Planning/Housing</td><td>18</td></tr> <tr><td>Psychology</td><td>3</td></tr> <tr><td>Transportation Engineering</td><td>10</td></tr> <tr><td><i>Total</i></td><td>54</td></tr> </table> <p>By Rank</p> <table border="1"> <tr><td>Researcher/Post Doc</td><td>12</td></tr> <tr><td>Tenured</td><td>31</td></tr> <tr><td>Untenured, tenure track</td><td>11</td></tr> <tr><td><i>Total</i></td><td>54</td></tr> </table>	Architecture	3	Business Administration	1	Chemistry	1	Computer Science/Systems Engineering	6	Economics	1	Education	2	Geography	5	Industrial Design	1	Mechanical Engineering	3	Planning/Housing	18	Psychology	3	Transportation Engineering	10	<i>Total</i>	54	Researcher/Post Doc	12	Tenured	31	Untenured, tenure track	11	<i>Total</i>	54
	Architecture	3																																		
Business Administration	1																																			
Chemistry	1																																			
Computer Science/Systems Engineering	6																																			
Economics	1																																			
Education	2																																			
Geography	5																																			
Industrial Design	1																																			
Mechanical Engineering	3																																			
Planning/Housing	18																																			
Psychology	3																																			
Transportation Engineering	10																																			
<i>Total</i>	54																																			
Researcher/Post Doc	12																																			
Tenured	31																																			
Untenured, tenure track	11																																			
<i>Total</i>	54																																			
Number of research reports	<p>Final Reports</p> <table border="1"> <tr><td>General Research</td><td>10</td></tr> <tr><td>Small Starts</td><td>6</td></tr> <tr><td><i>Total</i></td><td>19</td></tr> </table> <p>Draft Final Reports</p> <table border="1"> <tr><td>General Research</td><td>9</td></tr> <tr><td>Small Starts</td><td>0</td></tr> <tr><td><i>Total</i></td><td>9</td></tr> </table>	General Research	10	Small Starts	6	<i>Total</i>	19	General Research	9	Small Starts	0	<i>Total</i>	9																							
General Research	10																																			
Small Starts	6																																			
<i>Total</i>	19																																			
General Research	9																																			
Small Starts	0																																			
<i>Total</i>	9																																			

	Number of practitioners who use the results to confirm or change practice	96 of the 121 practitioners surveyed found the final reports useful for making decisions.	
	Number of peer-reviewed articles	26	
	Number of citations in peer-review journals	19	
	Number of faculty/staff who are members of national committees/panels (NCHRP, TCRP, etc.)	Faculty members and students at the four NITC member campuses currently serve on: 33 TRB committees/task forces 7 NCHRP/SHRP2/NCFRP/TCRP panels.	
Leadership	Number of faculty/staff who serve on editorial, policy and other advisory boards	21	
	Number of faculty/staff who have professional certifications (PE, AICP, etc.)	15 faculty/staff hold the following certifications: 2 AICP; 7 PE; 2 EIT; 4 Arch.	
	Number of courses (graduate/undergraduate, by discipline) with: (1) a transportation focus; and (2) transportation elements/modules; and total enrollment in those courses	Total	
		Undergrad Courses-Focus	34
Undergrad Courses-Elements		26	
Undergrad Enrollment-Focus		960	
Undergrad Enrollment-Elements		862	
Grad Courses-Focus		41	
Grad Courses-Elements		13	
Grad Enrollment-Focus		273	
Grad Enrollment-Elements		515	
Total undergrad courses		60	
Total grad courses	54		
Total undergrad enrollment	1,822		
Total grad enrollment	788		
Education & Workforce	Number of graduates with transportation degrees.	206 Undergraduate Level Degrees 175 Master's Level Degrees 18 Doctoral Level Degrees <i>Note: This includes all four campuses and all degree programs.</i>	

	Number of graduates in transportation jobs at one, two, and five years after graduation.	87 former NITC graduate research associates have jobs one year after graduation.												
	Number of students who: (1) participate in research (graduate and undergraduate); (2) earn awards and scholarships; (3) attend regional/national transportation conferences; (4) are members in transportation student groups (by program) and (5) hold a transportation-related internship	<table border="1"> <tr><td>Undergraduate researchers</td><td>51</td></tr> <tr><td>Graduate researchers</td><td>122</td></tr> <tr><td>Awards/Scholarships</td><td>34</td></tr> <tr><td>Attended conferences</td><td>100</td></tr> <tr><td>Members of student groups</td><td>202</td></tr> <tr><td>Transportation internships</td><td>29</td></tr> </table>	Undergraduate researchers	51	Graduate researchers	122	Awards/Scholarships	34	Attended conferences	100	Members of student groups	202	Transportation internships	29
Undergraduate researchers	51													
Graduate researchers	122													
Awards/Scholarships	34													
Attended conferences	100													
Members of student groups	202													
Transportation internships	29													
	Number of hours of professional development courses offered (CM, PDH, CEU)	See Technology Transfer												
	Number of events & event participants for workforce attraction	<table border="1"> <tr><td># of events</td><td>46</td></tr> <tr><td># attendees</td><td>1123</td></tr> </table>	# of events	46	# attendees	1123								
# of events	46													
# attendees	1123													
	Usefulness of reports/products downloaded	<p>Of the 121 practitioners surveyed who use NITC research reports to help make decisions about practice:</p> <ul style="list-style-type: none"> • 36% found the reports very useful • 44% found the reports somewhat useful 												
Technology Transfer	Ratio of website visits and traffic generated by social media activity	11%												
	Number of events and event participants for technology transfer and continuing education	<table border="1"> <tr><td># of events</td><td>56</td></tr> <tr><td># hours of prof. devt. offered <i>(subset of the total events above)</i></td><td>114</td></tr> <tr><td># attendees</td><td>3208</td></tr> </table>	# of events	56	# hours of prof. devt. offered <i>(subset of the total events above)</i>	114	# attendees	3208						
	# of events	56												
# hours of prof. devt. offered <i>(subset of the total events above)</i>	114													
# attendees	3208													
Number of publications in trade/professional publications (e.g., ITE Journal, Planning, etc.)	3 articles published													

Collaboration	Number of transportation research centers and organizations (e.g., ITE) to whom the Center has an identified liaison	Nonprofit organization	10
		Private industry	10
		Public agency	33
		Research center	12
		<i>Total</i>	65
	Number of projects that are multi-university, multidiscipline or multi-investigator	Of the 46 projects...	
		Multi-university	7
		Multi-disciplinary	18
	Number of unique match partners (by category)		
		Federal Agency	1
Local government		10	
Non-profit/Foundation		7	
Private industry		6	
Regional government		8	
State DOT		2	
State agency		1	
Transit agency		4	
University		10	
<i>Total</i>	49		