

## NTC Program Progress Performance Report (PPPR) Information Form

### For P.I.'s Use

On a semi-annual basis the NTC sponsored P.I. must report Program Progress Performance Report (PPPR) using the format specified in this PPPR Information Form. The form must be submitted electronically to the corresponding NTC Associate Director by **2/22/2016**.

**Cover Period: 9/30/2015 – 3/31/2016**

NTC Funded Project Information (Round/Year 2, 2014-2015); (Round/Year 3, 2015-2016)	
University Name	University of New Orleans
Project Titles	<ul style="list-style-type: none"><li>• Incorporating Freight and Trade in the Comprehensive Plan: A Megaregion Case Study</li><li>• Evaluation of Infrastructure Impacts from Freight Movements near Seaports</li><li>• Trade Flow Implications with the Opening of Cuba</li></ul>
Principal Investigator	Bethany M. Stich, Ph.D.
PI Contact Information	370 Milneburg Hall 2000 Lakeshore Drive New Orleans, LA 70148 <a href="mailto:bstich@uno.edu">bstich@uno.edu</a> 504.280.6520

**The form includes the following six parts:**

- Part I – Performance Indicators
- Part II – Accomplishments: What was done? What was learned?
- Part III – Products: What has the program produced?
- Part IV – Participants & Collaborating Organizations: Who has been involved?
- Part V – Impact: What is the impact of the program? How has it contributed to transportation education, research and technology transfer?
- Part VI – Changes/Problems

*Supplementary documents/materials can be attached to this form with the submission.*

<b>Part I – Performance Indicators</b>	
<b>Reporting Period</b>	<b>9/30/2015 – 3/31/2016</b>
<b>1. Transportation-related courses offered during the reporting period that were taught by faculty and/or teaching assistants who are associated with the UTC</b>	11
Undergraduate courses	<ul style="list-style-type: none"> <li>• Suburbs &amp; Car Culture</li> <li>• Globalization &amp; Mobility</li> </ul>
Graduate courses	<ul style="list-style-type: none"> <li>• Transportation Seminar</li> <li>• Intermodal Freight Transportation</li> <li>• Introduction to Transportation</li> <li>• Environment and Energy</li> <li>• Transportation Policy &amp; Administration</li> <li>• Applied Techniques for Transportation Planners</li> <li>• Suburbs &amp; Car Culture</li> <li>• Globalization &amp; Mobility</li> <li>• Land Use &amp; Transportation Planning</li> </ul>
<b>2. Students supported by this grant</b>	1
Undergraduate students	[Student Name] [Supervisor]
Masters students	[Student Name] [Supervisor]
Doctoral students	Peter Webb Dr. Bethany M. Stich
<b>3. Students participating in transportation research projects funded by this grant (but not supported by this grant)</b>	
Undergraduate students	[Student Name] [Supervisor]

Graduate students	<ul style="list-style-type: none"> <li>• Colin Ash</li> <li>• Kyle Griffith</li> <li>• Kimberly Mosby</li> <li>• Brittany Waggener</li> </ul> <p>Supervisor for these students: Dr. Bethany M. Stich</p>
<b>4. Students supported by this grant who received degrees</b>	
Undergraduate degrees	[Student Name]
Masters degrees	[Student Name]
Doctoral degrees	[Student Name]

<b>Part II – Accomplishments: What was done? What was learned?</b>	
<b>The information provided in this section allows the OST-R grants official to assess whether satisfactory progress has been made during the reporting period.</b>	
<b>Reporting Period</b>	<b>9/30/2015 – 3/31/2016</b>
<b>1. What are the major goals of the program?</b>	<p>The National UTC aims to promote strategic transportation policies, investment, and decisions that bring lasting and equitable economic benefits to the U.S. and its citizens. The Center is concerned with the integrated operations and planning of all modes serving the nation’s passenger and freight transportation system, including the institutional issues associated with their management and investments. A balanced multi-modal approach will be used that considers freight and passenger travel mobility, reliability, and sustainability, as well as system operations during periods of both recurring and non-recurring incidents, including response to major emergencies. The modes in this theme include highway, transit, rail, and inter-modal interfaces including ports, terminals and airports. In particular, the center focuses on research, education, and technology transfer activities that can lead to (1) Freight efficiency for domestic shipping and for our international land, air, and sea ports; (2) Highway congestion mitigation with multi-modal strategies; and (3) Smart investments in intercity passenger travel facilities such as high speed rail. Major center activities are as following:</p>

	<ul style="list-style-type: none"> <li>• <b>Advanced &amp; Applied Research Promoting Economic Competitiveness:</b> Our research activities are multimodal/intermodal and multidisciplinary in scope, with the aims of addressing nationally and regionally significant transportation issues pertinent to economic competitiveness and providing practice-ready solutions.</li> <li>• <b>Education, Workforce Development, Technology Transfer, &amp; Diversity</b> The consortium is committed to providing high-quality transportation education and workforce development programs for a broad and diverse audience. Center’s efforts will support the development of a critical transportation knowledge base and a transportation workforce that is prepared to design, deploy, operate, and maintain the complex transportation systems of the future.</li> </ul>
<p><b>2. What was accomplished under these goals?</b></p>	<ul style="list-style-type: none"> <li>• Qualitative interviews with key stakeholders from US seaports and rail, business community, government, academics, freight logistics providers, and Cubans</li> <li>• Study visit to Cuba for participant observation and additional qualitative interviews</li> <li>• Significant findings from the Cuba project include an expansion of the meaning of policy entrepreneur beyond just a motivated individual or organization trying to achieve certain policy goals to an individual who resists the effects of a policy through daily behavior. In the course of interviews we also collected information on potential commodities for trade with Cuba under more normalized diplomatic relations.</li> <li>• Prepared a Port of New Orleans (PONO) Briefing Paper for our project partner ASU on local and state roadways serving the PONO that incorporated current assessment of roadway conditions by the City’s Department of Public Works. Currently serving on the Fix My Streets Mayoral Task Force to address long-term needs for financing infrastructure city wide.</li> </ul>
<p><b>3. How have the results been disseminated?</b></p>	<ul style="list-style-type: none"> <li>• Port of New Orleans Maritime Workforce Summit</li> <li>• Port of New Orleans Boat Tour with Kaitlin Sighinolfi, Legislative Director for Hon. Charles W. Boustany, Jr. MD, Third District of LA and local maritime leaders.</li> <li>• Transportation Research Board, poster presentation on freight</li> </ul>

	<p>corridor investment in the Gulf Coast megaregion</p> <ul style="list-style-type: none"> <li>• METTRANS International Urban Freight Conference, presentation regarding shifting freight flows in the Gulf of Mexico</li> <li>• Presentation of Megaregions at TRB poster sessions 2015 and 2016</li> <li>• Port of New Orleans Briefing Paper (noted above in #2), used by UNOTI and ASU faculty and staff for the PONO site tour and related meetings with PONO senior staff and industry leaders in the warehousing and trucking sectors serving the port and maritime sectors in New Orleans.</li> </ul>
<p><b>4. What do you plan to do during the next reporting period to accomplish the goals? (10/1/2014 – 3/10/2016)</b></p>	<ul style="list-style-type: none"> <li>• Review and report on finalized infrastructure assessment by the Department of Public Works and their consultant (April, 2016).</li> <li>• On-site verification of existing condition assessments noting any variance by specific location. Continue participating in the Fix Our Streets Mayoral Task Force.</li> <li>• Previous Traffic Study Assessments</li> <li>• Cuban Trade Analysis</li> </ul>

<p><b>Part II – Products: What has the program produced?</b></p>	
<p><b>Publications are the characteristic product of research projects funded by the UTC Program. OST-R may evaluate what the publications demonstrate about the excellence and significance of the research and the efficacy with which the results are being communicated to colleagues, potential users, and the public, not the number of publications. Many research projects (though not all) develop significant products other than publications. OST-R may assess and report both publications and other products to Congress, communities of interest, and the public.</b></p>	
<p><b>Reporting Period</b></p>	<p><b>9/30/2015 – 3/31/2016</b></p>
<p><b>1. Journal publications:</b></p>	<p>[List peer-reviewed articles or papers appearing in scientific, technical, or professional journals. Include any peer-reviewed publication in the periodically published proceedings of a scientific society, a conference, or the like. A publication in the proceedings of a one-time conference, not part of a series, should be reported under “Books or other non-periodical, one-time publications.”]</p>

	<p>[Identify for each publication: Author(s); title; journal; volume: year; page numbers; status of publication (published; accepted, awaiting publication; submitted, under review; other); acknowledgement of federal support (yes/no).]</p>
<p><b>2. Books or other non-periodical, one-time publications</b></p>	<p>[Report any book, monograph, dissertation, abstract, or the like published as or in a separate publication, rather than a periodical or series. Include any significant publication in the proceedings of a one-time conference or in the report of a one-time study, commission, or the like.]</p> <p>[Identify for each one-time publication: Author(s); title; editor; title of collection, if applicable; bibliographic information; year; type of publication (book, thesis or dissertation, other); status of publication (published; accepted, awaiting publication; submitted, under review; other); acknowledgement of federal support (yes/no).]</p>
<p><b>3. Other publications, conference papers and presentations</b></p>	<p>Transportation Research Board, poster presentation on freight corridor investment in the Gulf Coast megaregion</p> <p>METRANS International Urban Freight Conference, presentation regarding shifting freight flows in the Gulf of Mexico</p> <p>“CRS &amp; SI Technologies in Maritime Logistics: A Path to Securing Marine Commerce and Supporting Trade” METRANS International Urban Freight Conference, Long Beach, CA, October, 2015</p> <p>Bethany Stich, Kyle Griffith, Peter Webb, “The Gulf Coast Megaregion (GCM): In Search of a New Scale to Understand Freight and Economic Development” Transportation Review Board, <i>Poster</i>, 2015 &amp; 2016</p>
<p><b>4. Website(s) or other Internet site(s)</b></p>	<p>[List the URL for any Internet site(s) that disseminates the results of the research and/or program activities. A short description of each site should be provided. It is not necessary to include the publications already specified above in this section.]</p>

	<p><a href="http://transportation.uno.edu/">http://transportation.uno.edu/</a> - Merritt C. Becker, Jr., University of New Orleans Transportation Institute (UNOTI) website.</p>
<p><b>5. Technologies or techniques</b></p>	<p>[Identify technologies or techniques that have resulted from the research activities. Describe the technologies or techniques and how they are being shared. Such as Technologies or technology assessments]</p>
<p><b>6. Outreach activities</b></p>	<ul style="list-style-type: none"> <li>• Port of New Orleans Maritime Workforce Summit</li> <li>• World Trade &amp; Transport Conference</li> <li>• World Trade Center Transportation Committee</li> <li>• International Freight Forwarders &amp; Customs Brokers Assn. of New Orleans (IFFCBANO) bi-monthly meetings and conference</li> <li>• Traffic &amp; Transportation Club of Greater New Orleans</li> <li>• The Propeller Club of the U.S. Port of New Orleans</li> <li>• Getting to know UNO</li> <li>• Innovate UNO 2016</li> <li>• WTS Louisiana Chapter</li> <li>• Transportation Review Board (TRB) 2015 AND 2016</li> <li>•</li> </ul>
<p><b>7. Courses and workshops</b></p>	
<p><b>8. Inventions, patent applications, and/or licenses</b></p>	<p>[Identify inventions, patent applications with date, and/or licenses that have resulted from the research. Submission of this information as part of an interim research performance progress report is not a substitute for any other invention reporting required under the terms and conditions of an award; as of the date of this document, UTC Program inventions may not be submitted to the Federal government’s Interagency Edison (iEdison) invention-reporting system, but OST-R is working to make that available and will notify</p>

	UTCs. For additional requirements pertaining to Patents and Copyrights, refer to General Provisions of Grants for University Transportation Centers, Section III, 14.]
<b>9. Other products</b>	<p>[Identify any other significant products that were developed under this program. Describe the product and how it is being shared.</p> <p>Qualitative interview data on shifting freight flows in the Gulf of Mexico in relationship to the US' changing relationship with Cuba</p>

<b>Part III – Participants &amp; Collaborating Organizations: Who has been involved?</b>	
<b>OST-R needs to know who has worked on the project to gauge and report performance in promoting partnerships and collaborations.</b>	
<b>Reporting Period</b>	<b>9/30/2015 – 3/31/2016</b>
<b>1. What organizations have been involved as partners?</b>	<p>Port of New Orleans  Location: New Orleans, LA  Support: In-kind support; facilities</p>
<b>2. Have other collaborators or contacts been involved?</b>	<p>[Some significant collaborators or contacts within the lead or partner universities may not be covered by “What people have worked on the project?” Likewise, some significant collaborators or contacts outside the UTC may not be covered under “What other organizations have been involved as partners?” For example, describe any significant:</p> <ul style="list-style-type: none"> <li>• Collaborations with others within the lead or partner universities; especially</li> <li>• interdepartmental or interdisciplinary collaborations;</li> </ul>



	<ul style="list-style-type: none"> <li>• Collaborations or contact with others outside the UTC; and</li> <li>• Collaborations or contacts with others outside the United States or with an international organization.</li> <li>• Country(ies) of collaborations or contacts.]</li> </ul>
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**Part IV – Impact: What is the impact of the program? How has it contributed to transportation education, research and technology transfer?**

**DOT uses this information to assess how the research and education programs:**

- increase the body of knowledge and techniques;
- enlarge the pool of people trained to develop that knowledge and techniques or
- put it to use; and,
- improve the physical, institutional, and information resources that enable those people to get their training and perform their functions.

<b>Reporting Period</b>	<b>9/30/2015 – 3/31/2016</b>
<b>1. What is the impact on the development of the principal discipline(s) of the program?</b>	<p>Research on trade normalization with Cuba contributes to the multiple streams approach to understanding the policy making process. This is accomplished through an elaboration on the concept of policy entrepreneurs and their impact at different levels of society including the individual, state, and national.</p> <p>The megaregions project contributes to the freight transportation planning field by identifying recommendations for improving multi-jurisdictional collaboration to increase megaregion competitiveness.</p>
<b>2. What is the impact on other disciplines?</b>	<p>The Cuba project is likely to impact the field of political science as it tests the theory of political economy using a multiple streams approach to describe how politics influences trade policy.</p>

<p><b>3. What is the impact on the development of transportation workforce development?</b></p>	<p>[Describe how the program made an impact or is likely to make an impact on transportation workforce development. For example, how has the program:</p> <ul style="list-style-type: none"> <li>• Provided opportunities for research and teaching in transportation and related disciplines;</li> <li>• Improved the performance, skills, or attitudes of members of underrepresented groups that will improve their access to or retention in transportation research, teaching, or other related professions;</li> <li>• Developed and disseminated new educational materials or provided scholarships; or provided exposure to transportation, science and technology for practitioners, teachers, young people, or other members of the public?]</li> </ul>
<p><b>4. What is the impact on physical, institutional, and information resources at the university or other partner institutions?</b></p>	<p>[Describe ways, if any, in which the program made an impact, or is likely to make an impact, on physical, institutional, and information resources that form infrastructure, including:</p> <ul style="list-style-type: none"> <li>• Physical resources such as facilities, laboratories, or instruments;</li> <li>• Institutional resources (such as establishment or sustenance of societies or organizations); or</li> <li>• Information resources, electronic means for accessing such resources or for scientific communication, or the like.]</li> </ul>

<p><b>5. What is the impact on technology transfer?</b></p>	<p>[Describe ways in which the program made an impact, or is likely to make an impact, on commercial technology or public use, including:</p> <ul style="list-style-type: none"> <li>• Transfer of results to entities in government or industry;</li> <li>• Instances where the research has led to the initiation of a start-up company; or</li> <li>• Adoption of new practices.]</li> </ul>
<p><b>6. What is the impact on society beyond science and technology?</b></p>	<p>[Describe how results from the program made an impact, or are likely to make an impact, beyond the bounds of science, engineering, and the academic world on areas such as:</p> <ul style="list-style-type: none"> <li>• Improving public knowledge, attitudes, skills, and abilities;</li> <li>• Changing behavior, practices, decision making, policies (including regulatory policies), or social actions; or</li> <li>• Improving social, economic, civic, or environmental conditions]</li> </ul>
<p><b>7. Additional impacts</b></p>	<p>[NTC encourages to consider identifying program results by outcomes or impacts, as suggested by the examples below. Impacts should be linked to National goals expressed in the Secretary’s Strategic Goals.]</p> <p>[Outcomes are broader changes that are expected to result from the products, such as:</p> <ul style="list-style-type: none"> <li>• Increased understanding and awareness of transportation issues;</li> <li>• Improved body of knowledge;</li> <li>• Improved processes, techniques and skills in addressing transportation issues;</li> <li>• Enlarged pool of trained transportation professionals;</li> <li>• Greater adoption of new technology;</li> </ul>

	<ul style="list-style-type: none"> <li>• Other impacts.</li> </ul> <p>Impacts are the longer-term, fundamental changes intended as a result of your activities, such as:</p> <ul style="list-style-type: none"> <li>• Safer driver behavior;</li> <li>• Increased travel time reliability;</li> <li>• Increased intermodal transportation operations;</li> <li>• Reduction in carbon and other harmful emissions from transportation sources;</li> <li>• Other impacts. ]</li> </ul>
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<b>Part V – Changes/Problems</b>	
<b>If not previously reported in writing to OST-R through other mechanisms, provide the following additional information or state, “Nothing to Report, if applicable:</b>	
<b>Reporting Period</b>	<b>9/30/2015 – 3/31/2016</b>
<b>1. Changes in approach and reasons for change</b>	<p>[If there is nothing significant to report during this reporting period, state “Nothing to Report.”]</p> <p>[Describe any changes in approach during the reporting period and reasons for these changes. Remember that significant changes in objectives and scope require prior approval of the OST-R grant administrator.]</p>
<b>2. Actual or anticipated problems or delays and actions or plans to resolve them</b>	<p>[If there is nothing significant to report during this reporting period, state “Nothing to Report.”]</p> <p>[Describe problems or delays encountered during the reporting period and actions or plans to resolve them.]</p>

<p><b>3. Changes that have a significant impact on expenditures</b></p>	<p>[If there is nothing significant to report during this reporting period, state “Nothing to Report.”]</p> <p>[Describe changes during the reporting period that may have a significant impact on expenditures, for example, delays in hiring staff or favorable developments that enable meeting objectives at less cost than anticipated.]</p>
<p><b>4. Significant changes in use or care of human subjects, vertebrate animals, and/or biohazards</b></p>	<p>[If there is nothing significant to report during this reporting period, state “Nothing to Report.”]</p> <p>[Describe significant deviations, unexpected outcomes, or changes in approved protocols for the use or care of human subjects, vertebrate animals, and/or biohazards during the reporting period. If required, were these changes approved by the applicable institution committee and reported to the agency? Also specify the applicable Institutional Review Board/Institutional Animal Care and Use Committee approval dates.]</p>
<p><b>5. Change of primary performance site location from that originally proposed</b></p>	<p>[If there is nothing significant to report during this reporting period, state “Nothing to Report.”]</p> <p>[Identify any change to the primary performance site location identified in the proposal, as originally submitted.]</p>

