

Part II - UTC Specific Performance Indicators

UTC Name: Maritime Transportation Research and Education Center

University: University of Arkansas

Grant #: DTRT13-GUTC50

Reporting Period: September 30, 2013 - September 30, 2014

| Metrics | Actual PPPR #1 | Actual PPPR #2 | 9/13-9/14 | Target* |
|---|----------------|----------------|-----------|---------|
| Research Capability | | | | |
| # of ongoing projects in each MarTREC research area | 4 | 15 | 15 | >1/area |
| # of peer-reviewed journal articles (published, accepted, submitted) | 4 | 11 | 15 | 25/yr |
| # of conference presentations | 12 | 12 | 24 | 20/yr |
| # of tenure track faculty who conduct MarTREC research activities | 5 | 13 | 13 | 12/yr |
| # of external partners involved in center research activities | 6 | 16 | 18 | 12/yr |
| # of research activities that impact diversity through participants and/or outcomes | 4 | 28 | 32 | 5/yr |
| # of UG/G students participating in transportation research projects funded by UTC | 11 | 29 | 35 | 20/yr |
| # of MS/PhD transportation-related advanced degree programs | 7 | 8 | 8 | 10/yr |
| # of MS/PhD graduate students supported by MarTREC | 11 | 18 | 25 | 16/yr |
| # of MS/PhD students supported by MarTREC who received degrees | 0 | 1 | 1 | 8/yr |
| | | | | |
| Leadership | | | | |
| # of national and regional leadership positions held | 13 | 19 | 25 | 10/yr |
| # of conference planning positions held | 8 | 7 | 12 | 5/yr |
| # of invited talks given | 11 | 12 | 23 | 10/yr |
| # of leadership and research awards received | 3 | 2 | 5 | 3/yr |
| # of impactful research citations by stakeholders | 0 | 3 | 3 | 5/yr |
| # of UG/G students participating in transportation research projects funded by UTC | 11 | 29 | 35 | 20/yr |
| # of junior faculty mentored | 4 | 2 | 4 | 4/yr |
| # of leadership workshops held | 0 | 0 | 0 | 1/2 yrs |
| # of external grant proposals submitted | 10 | 12 | 22 | 6/yr |
| | | | | |
| Education and Workforce Development | | | | |
| # of projects in MarTREC educational and workforce development areas | 9 | 10 | 19 | >2/area |
| # of UG/G transportation-related courses offered | 13 | 18 | 31 | 25/yr |
| # of distinguished lectures & seminars offered | 1 | 0 | 1 | 10/yr |
| participant count of distinguished lectures & seminars offered | ? | 0 | ? | 400/yr |

| | | | | |
|--|-----|-----|------|--------|
| # of short courses and workshops offered | 0 | 0 | 0 | 5/yr |
| participant count of short courses and workshops offered | 0 | 0 | 0 | 50/yr |
| # of technician certification programs offered | 19 | 19 | 38 | 15/yr |
| participant count of technician certification programs offered | 299 | 301 | 600 | 250/yr |
| # of educational modules and case studies developed | 2 | 3 | 5 | 2/yr |
| # of student-authored publications | 2 | 9 | 11 | 5/yr |
| # of student-presented presentations | 2 | 5 | 7 | 10/yr |
| # of K-12 summer programs offered | 2 | 16 | 18 | 3/yr |
| participant count of K-12 summer programs offered | ? | 754 | 754 | 50/yr |
| % of female participants in K-12 programs | ? | 64% | 0.64 | >40% |
| % of minority participants in K-12 programs | ? | 42% | 0.42 | >40% |
| # of pre-college programs offered | 1 | 1 | 2 | 3/yr |
| participant count of pre-college programs offered | 25 | 25 | 50 | 30/yr |
| # of online K-12 educational resources posted | 3 | 3 | 3 | 1/yr |
| | | | | |
| Technology Transfer | | | | |
| # of peer-reviewed journal articles (published, accepted, submitted) | 4 | 11 | 15 | 25/yr |
| # of conference presentations | 11 | 12 | 23 | 20/yr |
| # of technical briefs | 0 | 4 | 4 | 10/yr |
| # of guidebooks | 0 | 1 | 1 | 4/2yrs |
| # of short courses and workshops offered | 0 | 0 | 0 | 5/yr |
| participant count of short courses and workshops offered | 0 | 0 | 0 | 50/yr |
| # of conference planning positions held | 8 | 7 | 12 | 5/yr |
| # of editorial journal positions held | 13 | 18 | 18 | 5/yr |
| # of technician certification programs offered | 19 | 19 | 38 | 15/yr |
| participant count of technician certification programs offered | 299 | 301 | 600 | 250/yr |
| | | | | |
| Collaboration | | | | |
| # of new collaborative partnerships formed | 8 | 17 | 25 | 4/yr |
| # of collaborative activities conducted | 2 | 5 | 7 | 10/yr |
| # of collaborative deliverables completed | 0 | 1 | 1 | 10/yr |
| # of collaborative team events held | 0 | 2 | 2 | 10/yr |
| # of collaborative outreach events held | 2 | 5 | 7 | 6/yr |
| # of faculty involved in collaborative activities | 4 | 12 | 16 | 10/yr |
| # of students involved in collaborative activities | 2 | 22 | 24 | 25/yr |

* We are pleased with our progress in year 1 of the grant. We anticipate that achievement of our targets will increase as our grant matures and data collection processes are improved. Grant life of this report is 12 months but we did not have access to funds on September 30, 2013 so grant execution period is less than 12 months. We rely on other departments for outreach and collaborative data and have improved data collection efforts during the year that provided better data in PPR#2.