



UTC Specific Indicators Report

University: National University Rail (NURail) Center

Grant #: DTRT13-G-UTC52

Reporting Period: October 1, 2019 - September 30, 2020

Performance Indicators		Consortium Total	UIUC	UIC	Michigan Tech	UKY	UTK
Research Capability							
1	Number of papers on NURail sponsored research published in peer-reviewed journals or industry publications:	13	9	0	2	2	0
2	Number of publications in academic and industry conference proceedings	14	10	1	1	2	0
3	Number of presentations at academic and industry conferences and workshops	23	19	0	4	0	0
4	Number of NURail sponsored theses or dissertations at the MS and PhD levels.	–	–	–	–	–	–
a	Number of MS theses	1	0	0	1	0	0
b	Number of PhD dissertations	4	3	1	0	0	0
5	Number of NURail final reports issued during the grant year	22	10	2	5	1	4
6	Number of citations of each of the above	0	0	0	0	0	0
7	Number of research tools (lab equipment, models, software, test processes, etc.) developed as part of NURail sponsored research	3	0	1	2	0	0
Leadership							
1	Number of rail-related professional and service organization committees that NURail faculty researchers participate in or lead.	–	–	–	–	–	–

Performance Indicators		Consortium Total	UIUC	UIC	Michigan Tech	UKY	UTK
a	Number participated in	29	19	3	6	1	0
b	Number led	8	5	1	2	0	0
2	Number of research and educational colloquia and workshops organized	15	9	5	1	0	0
3	Number of rail sessions developed and led at major transportation and rail industry conferences	7	6	0	1	0	0
4	Number of faculty researchers in leadership positions in:	–	–	–	–	–	–
a	Professional societies	4	0	3	1	0	0
b	Advisory committees	6	3	2	1	0	0
c	Conference Organizing Committees	24	21	1	1	1	0
5	Number of relevant awards received during the grant year	1	0	0	1	0	0
6	Number of NURail professionals participating in short-term and long-range transportation planning	4	0	3	1	0	0
7	Number of other activities promoting rail academic research and education	12	10	2	0	0	0
Education & Workforce Development							
1	Number of rail courses offered (not necessarily NURail stimulated).	–	–	–	–	–	–
a	On-Campus	21	15	0	5	1	0
b	Distance	15	15	0	0	0	0
2	Number of rail related classes developed or modified as a result of NURail funding.	–	–	–	–	–	–
a	On-Campus	5	2	0	3	0	0
b	Distance	1	0	0	1	0	0
3	Number of students participating in course offerings (both on-campus and on-line).	–	–	–	–	–	–
a	On-Campus	304	226	0	43	35	0
b	Distance	42	42	0	0	0	0
4	Number of internships and full time positions secured in the industry and government during the grant year.	–	–	–	–	–	–
a	Number of internships						
	Railroads						

Performance Indicators		Consortium Total	UIUC	UIC	Michigan Tech	UKY	UTK
	Consulting firms	4	2		2		
	Government						
	Other	2			2		
	TOTAL:	6	2	0	4	0	0
b	Number of full time positions						
	Railroads		1	0	1		
	Consulting firms		2	0			
	Government			0			
	Other		1	0			
	TOTAL:	5	4	0	1	0	0
5	Number of NURail sponsored students participating in academic or industry conferences, workshops, or symposia.	-	-	-	-	-	-
a	Number of students	66	49	0	12	5	0
	TRB		10		1	2	
	AREMA		14		5	2	
	WCRR		1				
	INFORMS		5				
	Midwest Rail Conf		13		6	1	
	AAR Research Review		5				
	AREMA Railway Roadbed & Ballast Symposium		1				
6	Number of K-12 outreach activities and student participants the grant has helped to support	0	0	0	0	0	0
7	Number of initiatives / activities related to training / workforce development (live and online)	2	0	0	2	0	0
Tech Transfer							
1	Technology transfer focused activities (articles, seminars, posters, workshops, etc.)	9	7	0	2	0	0
2	Professional development participation (meetings, briefings, committees)	24	10	1	11	1	1

Performance Indicators		Consortium Total	UIUC	UIC	Michigan Tech	UKY	UTK
3	New Technologies / Innovation (applications, concepts, technologies, etc. adopted by the rail industry, licenses, cooperative research agreements or creation of new business entities)	2	0	0	2	0	0
Collaboration							
1	Number of joint research proposals	8	1	2	1	4	0
2	Number of joint papers	0	0	0		0	0
3	Number of joint presentations	0	0	0		0	0
4	Number of jointly developed or taught courses	0	0	0		0	0
5	Number of jointly organized seminars, workshops, or conferences	4	2	1	1	0	0
With Outside Organizations							
1	Number of organizations collaborated with during the grant year	22	10	0	9	3	0
2	Number of joint research proposals	6	3	2	1	0	0
3	Number of joint papers	3	3	0		0	0
4	Number of joint presentations	0	0	0		0	0
5	Number of jointly developed or taught courses	4	4	0		0	0
6	Number of jointly organized seminars, workshops, or conferences	3	1	1	1	0	0