



Part II - UTC Specific Indicators

University: National University Rail (NURail) Center

Grant #: DTRT13-G-UTC52

Reporting Period: October 1, 2014 - September 30, 2015

Performance Indicators		Consortium Total	UIUC	UIC	MIT	Michigan Tech	UK	UTK	Rose-Hulman
Research Capability									
1	Number of papers on NURail sponsored research published in peer-reviewed journals or industry publications:	8	0	3	0	0	1	4	0
2	Number of publications in academic and industry conference proceedings	10	0	6	0	0	2	2	0
3	Number of presentations at academic and industry conferences and workshops	24	0	8	0	0	11	5	0
4	Number of NURail sponsored theses or dissertations at the MS and PhD levels.	–	–	–	–	–	–	–	–
a	Number of MS theses	1	0	0	0	0	0	1	0
b	Number of PhD dissertations	3	0	2	0	0	0	1	0
5	Number of NURail final reports issued during the grant year	9	0	6	0	0	1	2	0
6	Number of citations of each of the above	7	0	4	0	0		3	0
7	Number of research tools (lab equipment, models, software, test processes, etc.) developed as part of NURail sponsored research	12	0	1	0	1	1	9	0

Performance Indicators		Consortium Total	UIUC	UIC	MIT	Michigan Tech	UK	UTK	Rose-Hulman
Leadership									
1	Number of rail-related professional and service organization committees that NURail faculty researchers participate in or lead.	–	–	–	–	–	–	–	–
a	Number participated in	30	4	10	0	5	3	8	0
b	Number led	9	2	1	0	3	0	3	0
2	Number of research and educational colloquia and workshops organized	3	0	0	0	2	1		0
3	Number of rail sessions developed and led at major transportation and rail industry conferences	3	1	0	0	1	0	1	0
4	Number of faculty researchers in leadership positions in:	–	–	–	–	–	~	–	–
a	Professional societies	7	0	0	0	0	1	6	0
b	Advisory committees	4	0	2	0	0	0	2	0
c	Conference Organizing Committees	9	2	2	0	1	1	3	0
5	Number of relevant awards received during the grant year	0	0	0	0	0	0		0
6	Number of NURail professionals participating in short-term and long-range transportation planning	5	0	2	0	1	1	1	0
7	Number of other activities promoting rail academic research and education	15	0	1	0	4	6	4	0
Education & Workforce Development									
1	Number of rail courses offered (not necessarily NURail stimulated).	–	–	–	–	–	–	–	–
a	On-Campus	25	14	2	0	3	2	2	2
b	Distance	14	13	0	0	0	0	1	0
2	Number of rail related classes developed or modified as a result of NURail funding.	–	–	–	–	–	–	–	–
a	On-Campus	6	1	1	0	1	1	1	1
b	Distance	0	0	0	0	0	0		0

Performance Indicators		Consortium Total	UIUC	UIC	MIT	Michigan Tech	UK	UTK	Rose-Hulman
3	Number of students participating in course offerings (both on-campus and on-line).	-	-	-	-	-	-	-	-
a	On-Campus	513	312	25	0	83	50	23	20
b	Distance	60	50	0	0	0	0	10	0
4	Number of internships and full time positions secured in the industry and government during the grant year.	-	-	-	-	-	-	-	-
a	Number of internships								
	Railroads	12	0	0		6	2		4
	Consulting firms	3	0	0		3	0		
	Government	0	0	0			0		
	Other	5	0	0		5	0		
	TOTAL:	20	0	0	0	14	2	0	4
b	Number of full time positions								
	Railroads	2	0	0		1	0		1
	Consulting firms	3	0	0		3	0		
	Government	0	0	0			0		
	Other	2	0	2			0		
	TOTAL:	7	0	2	0	4	0	0	1
5	Number of NURail sponsored students participating in academic or industry conferences, workshops, or symposia.	-	-	-	-	-	-	-	-
	TRB	3		0			1	2	0
	JRC	1		0			0	1	0
	NURail Annual Meeting	12		6		1	1	2	2
	AREMA	24		0		1	6		17
	WCRR	0		0			0		0
	INFORMS	1		0			0	1	0
	Summerail	1		0			1		0
	APTA	0		0			0		0
a	Number of students	36	0	6	0	2	9	0	19

Performance Indicators		Consortium Total	UIUC	UIC	MIT	Michigan Tech	UK	UTK	Rose-Hulman
6	Number of K-12 outreach activities and student participants the grant has helped to support	81		0	0	0	0	0	0
	Haley Tower Historic Society								20
	e-day						50		
	Science, Technology, Engineering and Math Summer Camp		11						
7	Number of initiatives / activities related to training / workforce development (live and online)	30	1	0	0	0	2	11	16
Tech Transfer									
1	Technology transfer focused activities (articles, seminars, posters, workshops, etc.)	20	1	6	0	1	2	2	8
2	Professional development participation (meetings, briefings, committees)	12	0	0	0	0	4	0	8
3	New Technologies / Innovation (applications, concepts, technologies, etc. adopted by the rail industry, licenses, cooperative research agreements or creation of new business entities)	1	0	0	0	0	0	0	1
Collaboration									
1	Number of joint research proposals	3	0	0	0	0	2	1	0
2	Number of joint papers	6	0	1	0	1	3	1	0
3	Number of joint presentations	4	0	1	0	1	1	1	0
4	Number of jointly developed or taught courses	1	0	0	0	0	0	1	0
5	Number of jointly organized seminars, workshops, or conferences	3	1	0	0	0	1	1	0
With Outside Organizations									

Performance Indicators		Consortium Total	UIUC	UIC	MIT	Michigan Tech	UK	UTK	Rose- Hulman
1	Number of organizations collaborated with during the grant year	7	1	0	0	2	3	1	0
2	Number of joint research proposals	2	0	0	0	0	2		0
3	Number of joint papers	1	0	0	0	0	0	1	0
4	Number of joint presentations	0	0	0	0	0	0		0
5	Number of jointly developed or taught courses	0	0	0	0	0	0		0
6	Number of jointly organized seminars, workshops, or conferences	4	1	0	0	1	0	2	0