

ANNUAL PERFORMANCE INDICATORS – YEAR 4

Submitted to

United States Department of Transportation (USDOT), Office of the Assistant Secretary for Research and Technology (OST-R)

Federal Grant number: 69A3551747118

Project Title: US DOT Tier 1 University Transportation Center for Underground Transportation Infrastructure (UTC-UTI)

Marte Gutierrez, Ph.D.

J. R. Paden Distinguished Professor and Director of UTC-UTI
Colorado School of Mines
Coolbaugh 308, 1012 14th St., Golden, CO 80401
Tel: (303) 273-3507, E-mail: mgutierr@mines.edu

October 3, 2020

DUNS#: 01-0628170 EIN#: 84-6000551

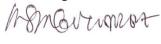
Recipient Organization: Colorado School of Mines, 1500 Illinois St., Golden CO 80401

Project/Grant Period: November 2016 – September 2022

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

Report Frequency: Annual

Signature:









UTC Name University Colorado School of Mines Grant III & GASSASSIA/FILIS Reporting Period Performance Indicator Reporting Period 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. Undergraduate courses Graduate courses 2. Number of Students participanting in transportation research projects during the reporting period that were for the programs of the programs and total dular value of anyplied research by S. Number of students supported by this grant tunding the reporting period. Undergraduate students in research 3. Number of Intensportation-related advanced degree programs that utilize the grant funds during the period to support graduate students. Masters level programs of the p	University	Transportation Cente	rs Program Performa	nce Indicators						
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Undergraduate degrees 2 1 1 0 0	4. Number of of students supported by this									
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grant who received degrees during the reporting period. Undergraduate degrees 1 0 1 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0	Doctoral degrees	11	8	0	3					
reporting period. Undergraduate degrees 1 0 1 0 1 0	5. Number of students supported by this									
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Number of applied research projects 10 4 4 2										
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	Number of applied research projects	10	4	4	2					
		\$ 774,641	\$ 396,452	\$ 225,000.00	\$ 153,189					
Number of advanced research projects 7 6 0 1				<u> </u>						
	. ,			ς -	\$ 81,810					

UNIVE	RSITY TRANSPORTATION CEN	NTERS - SPEC	IFIC INDICATO	RS			
UTC Name	University Transportation Center for Underground Transportation Infrastructure (UTC-UTI)						
University		Colorado Sch	ool of Mines		-		
Grant No.		69A3551	747118				
Reporting Period							
Category	Description of Indicator	Consortium	Consortium Member 1	Consortium Member 2	Consortium Member 3		
		Total	CSM	CSULA	Lehigh		
Research Capability: UTC-UTI will measure the effectiveness of our research activities by the number of	1a. No. of presentations at conferences on UTC findings	26	11	6	9		
conference presentations and peer- reviwed publications as well as by the type and amount of external support for	1b. No. of peer-reviewed publications submitted based on outcomes of UTC funded projects	28	16	7	5		
research.	1c. No. of peer-reviewed publications accepted/published	22	15	5	2		
Category	Description of Indicator	Consortium	Consortium Member 1	Consortium Member 2	Consortium Member 3		
		Total	CSM	CSULA	Lehigh		
2. Leadership: UTC-UTI will measure leadership success by the number of	2a. Attendance at summits, conferences, seminars, workshops	20	9	7	4		
peer-reviewed articles published published, the number of students we	2b. No. of peer-reviewed conference papers	7	5	2	0		
have mentored that are in transportation workforce in various private and publich sectors, and the number of conferences	2c. No. of peer-reviewed archival journal publications	7	4	1	2		
and transportation meetings in which we	2d. No. of TRB committees membership and leadership roles	10	3	7	0		
have disseminated knowledge.	2f. Other leadership in transpotartion organizations (editorial boards, expert panels)	7	1	4	2		
			12				
Category	Description of Indicator	Consortium	Consortium Member 1	Consortium Member 2	Consortium Member 3		
		Total	CSM	CSULA	Lehigh		
3. Education and Workforce Development: UTC-UTI will measure	3a. No. of students receiving degrees from consortium universities	5	2	2	1		
education and workforce development success by the number of students involved in transportation education, research and in the transportation workforce upon graduation.	3b. No. of continuing education credits awarded in transportation-related topics from consortium universities	130	130	0	0		
	3c. No. of students attending regional and national workshops and conferences 3d. No. of students working in	46	32	5	9		
	3d. No. of students working in internships or co-op learning opportunities	3	2	1	0		
	3e. No. of students enrolled in transportation courses	1037	315	515	207		
	3f. No. of students employed in public or private sector transportation jobs upon their graduation	3	2	1	0		
	3g. No. of transportation-related advanced degree programs that utilize grant funds to support graduate students at the masters level	9	6	2	1		
	3h. No. of transportation-related advanced degree programs that utilize grant funds to support graduate students at the doctoral level	9	8	0	1		

Category	Description of Indicator	Consortium	Consortium Member 1	Consortium Member 2	Consortium Member 3
		Total	CSM	CSULA	Lehigh
Technology Transfer: UTC-UTI will measure technology transfer success by the scope and breadth of dissemination	4a.UTC-UTI websites that track user preferences and actions with the website	2			
of our research through outreach activities, publications and social media.	4b. Report on attendance – by type of employer – at the annual transportation conference	Univ.: 0, Industry: 0			
	4c. Conduct surveys of the transportation conference attendees regarding their use of UTC-UTI studies (and other sponsored work)	UTC-UTI workshops, short courses and webinars continue to attract participation from industry and state DOT.			
	4d. Track the no. of peer-reviewed articles and research reports submitted for publication	28	18	4	6
	4e. Track the no. of patent filings	0	0	0	0
	4f. No. of other social media recordings (e.g. Twitter followers)	In Zenodo, UTC-UTI reports and publications have been viewed 960 times and downloaded 3502 times since the start of the center.			
Category 5: Collaboration: UTC-UTI will measure collaboration success by the number,	Description of Indicator	Consortium	Consortium Member 1	Consortium Member 2	Consortium Member 3
		Total	CSM	CSULA	Lehigh
	5a. No. of papers published from research collaborations	40	20	5	15
types and products/results of partnerships.	5b. No. of conference presentations made from collaborative efforts	19	11	5	3
	5c. Participants from universities, public agencies, and private firms at the regional transportation summit	0	0	0	0
	5d. No. of collaborative training programs established	1	1	0	0
	5e. No. of student interns in these collaborative programs	1	0	1	0