Instructions: The use of this form is mandatory for reporting UTC performance indicators. Report the program-wide indicator metrics for the completed grant year. Include the metrics for each consortium member. Add as many columns as necessary to include all consortium members. In the event that a consortium member participates in more than one UTC, include only the metrics corresponding with your grant and reporting period. Email completed report to your grant administrator within 30 days of the end of the grant year.

University Transportation Centers Program Performance Indicators

Performance Indicators	Consortium	North Dakota State University	Colorado State University	South Dakota State University	University of Colorado Denver	University of Denver	University of Utah	Utah State University	University of Wyoming
	Total	NDSU	CSU	SDSU	CU Denver	DU	υυ	USU	uw
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	44	0	4	11	2	0	18	5	
Graduate courses	75	23	5	6		3	17	5	
2. Number of students participating in transportation research projects during the reporting period funded by this grant									
Undergraduate students in research	0	0	0	0	0	0	0	0	
Graduate students in research	0	0	0	0		0	0		
3. Number of transportation-related advanced degree programs that utilize grant funds during the reporting period to support graduate students									
Masters level programs	19	2	1	1	3	2	7	2	
Doctoral level programs	17	1	1	1	3	1	7	2	
4. Number of students supported by this grant during the reporting period									
Undergraduate students	14	2	0	1	0	2	5	2	
Masters students	47	3	6	14	4	3	9	5	
Doctoral students	69	38	4	0	9	1	11	4	
5. Number of students supported by this grant who received degrees during the reporting period									
Undergraduate degrees	2	0	0	0	0	0	0	2	
Masters degrees	22	0	2	5	2	0	7	4	
Doctoral degrees	14	5	1	0	2	0	4	2	
6. Number and total dollar value of research projects selected for funding during the reporting period using UTC grant funds (Federal and/or Recipient Share) that you consider to be applied research and advanced research									
Number of applied research projects	0	0	0	0	0	0	0	0	
Number of advanced research projects -	\$ 2,570,600.00	\$ 657,048.00	\$ 288,935.00	\$ 288,935.00	\$ 288,935.00	\$ 179,942.00	\$ 288,935.00	\$ 288,935.00	\$ 288,935.
Dollar value of advanced research projects	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$

University Transportation Centers (UTC's)

69A3551747108 (MPC-XXX- MPC-XXX)

November 30, 2016 - September 30, 2017

Performa	nce Indicators	
1. Number teaching a	of transportation-related courses offered duri ssistants who are associated with the UTC.	ng the reporting period that were taught by faculty and/or
	Undergraduate Courses Graduate Courses	<u>44</u> <u>75</u>
2. Number	of students participating in transportation rese	arch projects funded by this grant.
	Undergraduate Students Graduate Students	0 0
3. Number	of transportation-related advance degree prog	rams that utilize grant funds to support graduate students.
	Master's Level Programs Doctoral Level Programs	
4. Number	of graduate students supported by this grant.	
	Undergraduate Students Master's Student Doctoral Student	14 47 69

5. Number of student supported by this grant who received degrees.

Undergraduate Students	2
Master's Level Programs	22
Doctoral Level Programs	14

Number of applied research projects

Dollar value of applied research projects

Number of advanced research projects

Dollar value of advanced research projects

0	
,	\$2,570,600.00
-	
	-

Research 1. Number of transportation research projects selected.	0
2. Total matching dollar leveraged for research.	\$2,570,600.00
3. Number of faculty members involved in research projects.	0
4. Number of undergraduate students involved in UTC-funded research projects.	0
5. Number of master's degree students involved in UTC-funded research projects.	0
6. Number of doctoral students involved in UTC-funded research projects.	0
7. Number of peer reviewed MPC research reports published.	0
8. Number of peer-reviewed journal articles published by faculty.	110
9. Number of peer-reviewed conference papers published by faculty.	68
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	108
Leadership 1. Number of journal editions published by MPC Universities.	2
2. Number of MPC faculty serving on editorial board of journals.	28
3. Number of MPC faculty members serving on committees (or as friends of	53
4. Number of awards received by MPC faculty or programs.	18
5. Number of conferences and workshops help or sponsored by MPC Universities.	92

6. Number of unique organizations r	represented at MPC sponsored conferences and workshops.	0
7. Number of individuals attending N	MPC conferences and workshops.	1,403
8. Number of peer-reviewed journal	articles and conference papers presented.	102
Education and Workforce Develop	oment	
Number of transportation-related teaching assistants who are associa	courses offered during the reporting period that were taught by fated with the UTC.	aculty and/or
	Undergraduate Courses	21
	Graduate Courses	83
	Total	104
2. Number of students participating	in transportation research projects funded by this grant.	
	Undergraduate Students	0
	Graduate Students	0
	Total	0
3. Number of transportation-related	advance degree programs that utilize grant funds to support grad	duate students
	Master's Level Programs	16
	Doctoral Level Programs	13
	Total	29
 Number of graduate students sup 	ported by this grant. Master's Level Student Stipends Doctoral Level Student Stipends	30 66
	Total	96
5. Number of student supported by the		
5. Number of student supported by the	ms grant who received degrees. Master's Level Student Stipends	16
	Doctoral Level Student Stipends	13
	Total	29
Number of outreach events condu	icted for K-12 audiences	7
	•	7
7. Number of graduate courses (inclu	uded in measure one) that are offered online.	24
Fechnology Transfer		
. Number of transportation seminars	s, symposia, distance learning classes, etc. conducted by	
ransportation professionals.	,	66
2. Number of transportation profession	onals participating in those events.	1605
Number of annual reports and new	volettere muhlished	
 Number of annual reports and new 	vsiellers publisned.	39

Collaboration

MPC executive committee to discuss program administration and plans for collaboration among the universities.	19
2. Number of projects involving faculty or students from more than one university.	0
3. Number of students participating in MPC graduate student symposia.	0
4. Number of faculty members who hold affiliated faculty status at other MPC universities.	0
5. Number of collaborative research projects involving faculty and students from more than one MPC university.	0
6. Number of collaborative conference or workshops involving several universities, agencies, or LTAP center.	0

University Transportation Centers (UTC's) 69A3551747108 (MPC-XXX- MPC-XXX)

November 30, 2016 - September 30, 2017

Number of transportation-related courses offered assistants who are associated with the UTC.	during the reporting period that were taught by faculty and/or teaching
Undergraduate Courses Graduate Courses	0
2. Number of students participating in transportation	research projects funded by this grant.
Undergraduate Students Graduate Students	0
Number of transportation-related advance degree	programs that utilize grant funds to support graduate students.
Master's Level Programs Doctoral Level Programs	
4. Number of graduate students supported by this gra	ant.
Undergraduate Students Master's Student Doctoral Student	2 3 38
5. Number of student supported by this grant who re	ceived degrees.
Undergraduate Students Master's Level Programs Doctoral Level Programs	0 0 5

^{6.} Number and total dollar value of research projected selected for funding using UTC grant funds (Federal and/or Recipient Share) that you consider to be applied research and advanced research.

Number of applied research projects

Dollar value of applied research projects

Number of advanced research projects

Dollar value of advanced research projects

0	
	\$657,048.00
-	
	-

UTC Specific Indicators

Research 1. Number of transportation research projects selected.	0
Total matching dollar leveraged for research.	\$657,048.00
3. Number of faculty members involved in research projects.	0
4. Number of undergraduate students involved in UTC-funded research projects.	0
5. Number of master's degree students involved in UTC-funded research projects.	0
6. Number of doctoral students involved in UTC-funded research projects.	0
7. Number of peer reviewed MPC research reports published.	0
8. Number of peer-reviewed journal articles published by faculty.	27
9. Number of peer-reviewed conference papers published by faculty.	21
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	20
Leadership 1. Number of journal editions published by MPC Universities.	2
2. Number of MPC faculty serving on editorial board of journals.	8
3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, ASCE, ITE, etc.	17
4. Number of awards received by MPC faculty or programs.	4
5. Number of conferences and workshops help or sponsored by MPC Universities.	75
Number of unique organizations represented at MPC sponsored conferences and workshops.	0
7. Number of individuals attending MPC conferences and workshops.	1388
8. Number of peer-reviewed journal articles and conference papers presented.	20

Education and Workforce Development

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.

Graduate Courses Total	23 23
Total	23
2. Number of students participating in transportation research projects funded by this grant.	
Undergraduate Students	0
Graduate Students	0
Total	0
3. Number of transportation-related advance degree programs that utilize grant funds to support graduate studer	-1-
Master's Level Programs	nts. 2
Doctoral Level Programs	1
Total	3
1. Number of graduate students supported by this great	
 Number of graduate students supported by this grant. Master's Level Student Stipends 	2
Doctoral Level Student Stipends Doctoral Level Student Stipends	38
Total	
i otal	41
5. Number of student supported by this grant who received degrees.	
Master's Level Student Stipends	0
Doctoral Level Student Stipends	5
Total	5
S. Number of outreach events conducted for K-12 audiences.	3
7. Number of graduate courses (included in measure one) that are offered online.	18
Tools not one of the second of	
Fechnology Transfer	
. Number of transportation seminars, symposia, distance learning classes, etc. conducted by ransportation professionals.	18
2. Number of transportation professionals participating in those events.	108
8. Number of annual reports and newsletters published.	33
Collaboration	
. Number of internal meetings, videoconferences, or telephone conferences of the MPC executive committee to discuss program administration and plans for collaboration among	
ne universities.	4
. Number of projects involving faculty or students from more than one university.	0
. Number of students participating in MPC graduate student symposia.	0
. Number of faculty members who hold affiliated faculty status at other MPC universities.	0
. Number of collaborative research projects involving faculty and students from more than	
ne MPC university.	0

6. Number of collaborative conference or workshops involving several universities,	
agencies, or LTAP center.	

University Transportation Centers (UTC's) 69A3551747108 (MPC-XXX- MPC-XXX)

November 30, 2016 - September 30, 2017

Performance Indicators

Number of transportation-related courses offered during assistants who are associated with the UTC.	the reporting period that were taught by faculty and/or teaching
Undergraduate Courses Graduate Courses	6
2. Number of students participating in transportation resear	ch projects funded by this grant.
Undergraduate Students Graduate Students	0
Number of transportation-related advance degree program	ms that utilize grant funds to support graduate students.
Master's Level Programs Doctoral Level Programs	1 1
4. Number of graduate students supported by this grant.	
Undergraduate Students Master's Student Doctoral Student	1 14 0
5. Number of student supported by this grant who received	degrees.
Undergraduate Students Master's Level Programs Doctoral Level Programs	0 5 0

6. Number and total dollar value of research projected selected for funding using UTC grant funds (Federal and/or Recipient Share) that you consider to be applied research and advanced research.

Number of applied research projects	0	
Dollar value of applied research projects		\$288,935.00
Number of advanced research projects	•	
Dollar value of advanced research projects		-

UTC Specific Indicators

Research	
Number of transportation research projects selected.	0
2. Total matching dollar leveraged for research.	\$288,935.00
3. Number of faculty members involved in research projects.	0
4. Number of undergraduate students involved in UTC-funded research projects.	0
5. Number of master's degree students involved in UTC-funded research projects.	0
6. Number of doctoral students involved in UTC-funded research projects.	0
7. Number of peer reviewed MPC research reports published.	0
8. Number of peer-reviewed journal articles published by faculty.	12
9. Number of peer-reviewed conference papers published by faculty.	9
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	15
Leadership	
Number of journal editions published by MPC Universities.	0
2. Number of MPC faculty serving on editorial board of journals.	1
3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, ASCE, ITE, etc.	8
4. Number of awards received by MPC faculty or programs.	1
5. Number of conferences and workshops help or sponsored by MPC Universities.	0
6. Number of unique organizations represented at MPC sponsored conferences and workshops.	0
7. Number of individuals attending MPC conferences and workshops.	0
Number of peer-reviewed journal articles and conference papers presented.	0

Education and Workforce Development

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	0
	Graduate Courses	0
	Total	0
2. Number of students participating in transporta	tion research projects funded by this grant.	
	Undergraduate Students	0
	Graduate Students	0
	Total	0
3. Number of transportation-related advance deg	ree programs that utilize grant funds to support graduate student	
	Master's Level Programs	0
	Doctoral Level Programs Total	0
		0
Number of graduate students supported by this	s grant	
The state of the s	Master's Level Student Stipends	0
	Doctoral Level Student Stipends	0
	Total —	0
	_	
5. Number of student supported by this grant who	o received degrees.	
	Master's Level Student Stipends	0
	Doctoral Level Student Stipends	0
	Total	0
6. Number of outreach events conducted for K-12	2 audiences.	1
7. Number of graduate courses (included in meas	—	
7. Number of graduate courses (included in meas	— — — — — — — — — — — — — — — — — — —	0
Technology Transfer		
	distance learning classes, etc. conducted by transportation	
professionals.	distance learning classes, etc. conducted by transportation	0
Number of transportation professionals particip	— vating in those events	
2. Namber of transportation professionals particip	rating in those events.	0
3. Number of annual reports and newsletters pub	lished.	0
Collaboration		
Number of internal meetings, videoconferences executive committee to discuss program administration.	s, or telephone conferences of the MPC	
executive committee to discuss program administ universities.	ration and plans for collaboration among the	0
Number of projects involving faculty or students	s from more than one university	0
	_	0
Number of students participating in MPC gradu	ate student symposia.	0
4. Number of faculty members who hold affiliated	faculty status at other MPC universities	0
	_	
Number of collaborative research projects invol MPC university.	ving faculty and students from more than one	0
		~

6.	Number of collaborative	conference	or	workshops	involving	several	universities,	agencies,	or
LT	AP center.								

University Transportation Centers (UTC's)

69A3551747108 (MPC-XXX- MPC-XXX)

November 30, 2016 - September 30, 2017

Performance Indicators

1. Number assistants	of transportation-related courses offered downo are associated with the UTC.	uring the reporting period that were taught by faculty and/or teaching
	Undergraduate Courses Graduate Courses	<u>4</u> 5
2. Number	of students participating in transportation re	esearch projects funded by this grant.
	Undergraduate Students Graduate Students	0 0
3. Number	of transportation-related advance degree p	rograms that utilize grant funds to support graduate students.
	Master's Level Programs Doctoral Level Programs	<u>1</u> 1
4. Number	of graduate students supported by this gran	nt.
	Undergraduate Students Master's Student Doctoral Student	0 6 4
5. Number	of student supported by this grant who rece	sived degrees.
	Undergraduate Students Master's Level Programs Doctoral Level Programs	0 2 1

6. Number and total dollar value of research projected selected for funding using UTC grant funds (Federal and/or Recipient Share) that you consider to be applied research and advanced research.

Number of applied research projects

Dollar value of applied research projects

Number of advanced research projects

Dollar value of advanced research projects

0	
	\$288,935.00
-	
	-

UTC Specific Indicators

Research	
Number of transportation research projects selected.	0
2. Total matching dollar leveraged for research.	\$288,935.00
3. Number of faculty members involved in research projects.	0
4. Number of undergraduate students involved in UTC-funded research projects.	0
5. Number of master's degree students involved in UTC-funded research projects.	0
6. Number of doctoral students involved in UTC-funded research projects.	0
7. Number of peer reviewed MPC research reports published.	0
8. Number of peer-reviewed journal articles published by faculty.	16
9. Number of peer-reviewed conference papers published by faculty.	11
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	26
Leadership 1. Number of journal editions published by MPC Universities.	0
2. Number of MPC faculty serving on editorial board of journals.	5
3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, ASCE, ITE, etc.	3
4. Number of awards received by MPC faculty or programs.	3
5. Number of conferences and workshops help or sponsored by MPC Universities.	0
Number of unique organizations represented at MPC sponsored conferences and workshops.	0
7. Number of individuals attending MPC conferences and workshops.	0
8. Number of peer-reviewed journal articles and conference papers presented.	14

Education and Workforce Development

1. Number of transportation-related courses offered during the reporting period that were taught by faculty and/or teaching

aggistants who are appointed with the	ITO	
assistants who are associated with the	Undergraduate Courses	4
	Graduate Courses	5
	Total	9
2. Number of students participating in tr	ansportation research projects funded by this grant.	
	Undergraduate Students	0
	Graduate Students	0
	Total	0
3. Number of transportation-related adv	ance degree programs that utilize grant funds to sup	poort graduate students
·	Master's Level Programs	1
	Doctoral Level Programs	1
	Total	2
4. Number of graduate students support		
	Master's Level Student Stipends	6
	Doctoral Level Student Stipends Total	4
	ıolai	10
5. Number of student supported by this	grant who received degrees	
, and	Master's Level Student Stipends	2
	Doctoral Level Student Stipends	1
	Total	3
Number of outreach events conducted	d for K-12 audiences.	0
7. Number of graduate courses (include	d in measure one) that are offered online.	0
Tochnology Transfer		
Technology Transfer		
 Number of transportation seminars, signals ransportation professionals. 	ymposia, distance learning classes, etc. conducted by	
ranoportation professionals.		0
2. Number of transportation professiona	Is participating in those events	0
processing	o participating in those events.	0
3. Number of annual reports and newsle	tters published.	0
Collaboration		
(N - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	-	
 Number of internal meetings, videoco MPC executive committee to discuss pro 	nferences, or telephone conferences of the	
collaboration among the universities.	ogram administration and plans for	2
<u> </u>		2
2. Number of projects involving faculty o	r students from more than one university.	0
. ,	and any order.	
3. Number of students participating in M	PC graduate student symposia.	0
Number of faculty members who hold	affiliated faculty status at other MPC universities.	•
	annated faculty status at other MPC universities.	0
Number of collaborative research proj	ects involving faculty and students from	
nore than one MPC university.	cots involving faculty and students from	0

6. Number of collaborative conference or workshops involving several universities,	
agencies, or LTAP center.	0

University Transportation Centers (UTC's)

69A3551747108 (MPC-XXX- MPC-XXX)

November 30, 2016 - September 30, 2017

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 2 Graduate Courses 12
2. Number of students participating in transportation research projects funded by this grant.
Undergraduate Students 0 Graduate Students 0
3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.
Master's Level Programs Doctoral Level Programs 3 3
4. Number of graduate students supported by this grant.
Undergraduate Students Master's Student Doctoral Student 9
5. Number of student supported by this grant who received degrees.
Undergraduate Students Master's Level Programs Doctoral Level Programs 2

Research1. Number of transportation research projects selected.	0
2. Total matching dollar leveraged for research.	\$288,935.00
3. Number of faculty members involved in research projects.	0
4. Number of undergraduate students involved in UTC-funded research projects.	0
5. Number of master's degree students involved in UTC-funded research projects.	0
6. Number of doctoral students involved in UTC-funded research projects.	0
7. Number of peer reviewed MPC research reports published.	0
8. Number of peer-reviewed journal articles published by faculty.	34
9. Number of peer-reviewed conference papers published by faculty.	12
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	17
Leadership 1. Number of journal editions published by MPC Universities.	0
2. Number of MPC faculty serving on editorial board of journals.	2
3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, ASCE, ITE, etc.	6
4. Number of awards received by MPC faculty or programs.	1
5. Number of conferences and workshops help or sponsored by MPC Universities.	0
Number of unique organizations represented at MPC sponsored conferences and workshops.	0

7. Number of individuals attending MPC conferences and workshops.	0
8. Number of peer-reviewed journal articles and conference papers presented.	35
Education and Workforce Development	
 Number of transportation-related courses offered during the reporting period that were taught teaching assistants who are associated with the UTC. 	oy faculty and/or
Undergraduate Courses	2
Graduate Courses	12
Total	14
2. Number of students participating in transportation research projects funded by this grant.	
Undergraduate Students	0
Graduate Students	0
Total	0
3. Number of transportation-related advance degree programs that utilize grant funds to support of Master's Level Programs Doctoral Level Programs Total	graduate students. 3 3 6
4. Number of graduate students supported by this grant. Master's Level Student Stipends Doctoral Level Student Stipends Total	4 9 13
5. Number of student supported by this grant who received degrees.	
Master's Level Student Stipends	2
Doctoral Level Student Stipends	2
Total	4
6. Number of outreach events conducted for K-12 audiences.	0
7. Number of graduate courses (included in measure one) that are offered online.	6
Fechnology Transfer	
I. Number of transportation seminars, symposia, distance learning classes, etc. conducted by ransportation professionals.	0
2. Number of transportation professionals participating in those events.	0
Number of annual reports and newsletters published.	2

Collaboration

1. Number of internal meetings, videoconferences, or telephone conferences of the MPC executive committee to discuss program administration and plans for collaboration among the universities.	4
Number of projects involving faculty or students from more than one university.	0
3. Number of students participating in MPC graduate student symposia.	0
4. Number of faculty members who hold affiliated faculty status at other MPC universities.	0
5. Number of collaborative research projects involving faculty and students from more than one MPC university.	0
6. Number of collaborative conference or workshops involving several universities, agencies, or LTAP center.	0

University Transportation Centers (UTC's) 69A3551747108 (MPC-XXX- MPC-XXX)

November 30, 2016 - September 30, 2017

Number of transportation-related courses offered duteaching assistants who are associated with the UTC.	uring the reporting period that were taught by faculty and/or
Undergraduate Courses Graduate Courses	0
2. Number of students participating in transportation res	search projects funded by this grant.
Undergraduate Students Graduate Students	0 0
3. Number of transportation-related advance degree pro	ograms that utilize grant funds to support graduate students.
Master's Level Programs Doctoral Level Programs	2
4. Number of graduate students supported by this grant	t.
Undergraduate Students Master's Student Doctoral Student	2 3 1
Number of student supported by this grant who recei	ived degrees.
Undergraduate Students Master's Level Programs Doctoral Level Programs	0 0

0	
	\$179,942.00
-	
	-

Research 1. Number of transportation research projects selected.	0
2. Total matching dollar leveraged for research.	\$179,942.00
3. Number of faculty members involved in research projects.	0
4. Number of undergraduate students involved in UTC-funded research projects.	0
5. Number of master's degree students involved in UTC-funded research projects.	0
6. Number of doctoral students involved in UTC-funded research projects.	0
7. Number of peer reviewed MPC research reports published.	0
8. Number of peer-reviewed journal articles published by faculty.	0
9. Number of peer-reviewed conference papers published by faculty.	1
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	0
Leadership	
Number of journal editions published by MPC Universities.	0
2. Number of MPC faculty serving on editorial board of journals.	2
3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, ASCE, ITE, etc.	2
4. Number of awards received by MPC faculty or programs.	0
5. Number of conferences and workshops help or sponsored by MPC Universities.	0

6. Number of unique organizations r	epresented at MPC sponsored conferences and workshops.	0
7. Number of individuals attending N	IPC conferences and workshops.	0
8. Number of peer-reviewed journal	articles and conference papers presented.	1
Education and Workforce Develop	oment	
· · · · · · · · · · · · · · · · · · ·	courses offered during the reporting period that were taught by	faculty and/or
	Undergraduate Courses	0
	Graduate Courses	23
	Total	23
Number of students participating i	n transportation research projects funded by this grant.	
	Undergraduate Students	0
	Graduate Students	0
	Total	0
Number of graduate students supplements	Total	2
3	Master's Level Student Stipends	3
	Doctoral Level Student Stipends	1
	Total	4
5. Number of student supported by the	nio grant who received degrees	
o. Number of student supported by ti	Master's Level Student Stipends	0
	Doctoral Level Student Stipends	0
	Total	0
	_	
6. Number of outreach events condu	cted for K-12 audiences.	0
7. Number of graduate courses (inclu	uded in measure one) that are offered online.	0
Technology Transfer		
••	s symposia distance learning alesses at a senducted to	
transportation professionals.	s, symposia, distance learning classes, etc. conducted by	1
2. Number of transportation profession	onals participating in those events.	75
3. Number of annual reports and new	vsletters published.	1

Collaboration

1. Number of internal meetings, videoconferences, or telephone conferences of the MPC executive committee to discuss program administration and plans for collaboration among the universities.	3
•	
2. Number of projects involving faculty or students from more than one university.	0
Number of students participating in MPC graduate student symposia.	0
4. Number of faculty members who hold affiliated faculty status at other MPC universities.	0
5. Number of collaborative research projects involving faculty and students from	0
more than one MPC university.	0
Number of collaborative conference or workshops involving several universities, agencies, or LTAP center.	0
agendes, or LIME center.	<u> </u>

University Transportation Centers (UTC's) 69A3551747108 (MPC-XXX- MPC-XXX)

November 30, 2016 - September 30, 2017

1. Number of transportation-related courses offered dur teaching assistants who are associated with the UTC.	ing the reporting period that were taught by faculty and/or
Undergraduate Courses Graduate Courses	18 17
2. Number of students participating in transportation reso	earch projects funded by this grant.
Undergraduate Students Graduate Students	0 0
3. Number of transportation-related advance degree pro-	grams that utilize grant funds to support graduate students.
Master's Level Programs Doctoral Level Programs	7 7
Number of graduate students supported by this grant.	
Undergraduate Students Master's Student Doctoral Student	5 9 11
5. Number of student supported by this grant who receiv	red degrees.
Undergraduate Students	0
Master's Level Programs Doctoral Level Programs	7 4

Number of applied research projects	0	
Dollar value of applied research projects		\$288,935.0
Number of advanced research projects	-	
Dollar value of advanced research projects		-

Research 1. Number of transportation research projects selected.	0
Total matching dollar leveraged for research.	\$288,935.00
Number of faculty members involved in research projects.	0
4. Number of undergraduate students involved in UTC-funded research projects.	0
5. Number of master's degree students involved in UTC-funded research projects.	0
6. Number of doctoral students involved in UTC-funded research projects.	0
7. Number of peer reviewed MPC research reports published.	0
8. Number of peer-reviewed journal articles published by faculty.	9
9. Number of peer-reviewed conference papers published by faculty.	10
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	18
Leadership 1. Number of journal editions published by MPC Universities.	0
2. Number of MPC faculty serving on editorial board of journals.	6
3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, ASCE, ITE, etc.	11
4. Number of awards received by MPC faculty or programs.	7
5. Number of conferences and workshops help or sponsored by MPC Universities.	10
6. Number of unique organizations represented at MPC sponsored conferences and workshops.	0

7. Number of individuals attending MPC conferences and workshops.	14
8. Number of peer-reviewed journal articles and conference papers presented.	23
Education and Workforce Development	
1. Number of transportation-related courses offered during the reporting period that were taught teaching assistants who are associated with the UTC.	by faculty and/or
Undergraduate Courses	6
Graduate Courses	11
Total	17
2. Number of students participating in transportation research projects funded by this grant.	
Undergraduate Students	0
Graduate Students	0
Total	0
3. Number of transportation-related advance degree programs that utilize grant funds to support	graduate students
Master's Level Programs	6
Doctoral Level Programs	4
Total	10
·	
4. Number of graduate students supported by this grant.	
Master's Level Student Stipends	6
Doctoral Level Student Stipends	8
Total	14
•	
5. Number of student supported by this grant who received degrees.	
Master's Level Student Stipends	6
Doctoral Level Student Stipends	6 3
Total	9
	<u> </u>
6. Number of outreach events conducted for K-12 audiences.	2
7. Number of graduate courses (included in measure one) that are offered online.	0
Technology Transfer	
1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals.	9
2. Number of transportation professionals participating in those events.	165
3. Number of annual reports and newsletters published.	1
- Paris and noncolono published.	I

1. Number of internal meetings, videoconferences, or telephone conferences of the MPC executive committee to discuss program administration and plans for collaboration among the universities.	3
2. Number of projects involving faculty or students from more than one university.	0
3. Number of students participating in MPC graduate student symposia.	0
4. Number of faculty members who hold affiliated faculty status at other MPC universities.	0
5. Number of collaborative research projects involving faculty and students from	
more than one MPC university.	0
6. Number of collaborative conference or workshops involving several universities,	
agencies, or LTAP center.	0

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Number of transportation-related courses offered during teaching assistants who are associated with the UTC.	g the reporting period that were taught by faculty and/or
Undergraduate Courses Graduate Courses	<u>5</u> <u>5</u>
2. Number of students participating in transportation resear	rch projects funded by this grant.
Undergraduate Students Graduate Students	0 0
3. Number of transportation-related advance degree progra	ams that utilize grant funds to support graduate students.
Master's Level Programs Doctoral Level Programs	2 2
Number of graduate students supported by this grant.	
Undergraduate Students Master's Student Doctoral Student	2 5 4
5. Number of student supported by this grant who received	degrees.
Undergraduate Students	2
Master's Level Programs	4
Doctoral Level Programs	2

^{6.} Number and total dollar value of research projected selected for funding using UTC grant funds (Federal and/or Recipient Share)

that you consider to be applied research and advanced research.

Number of applied research projects

Dollar value of applied research projects

Number of advanced research projects

Dollar value of advanced research projects

0	
	\$288,935.00
-	
	-

Research	
Number of transportation research projects selected.	0
2. Total matching dollar leveraged for research.	\$288,935.00
3. Number of faculty members involved in research projects.	0
4. Number of undergraduate students involved in UTC-funded research projects.	0
5. Number of master's degree students involved in UTC-funded research projects.	0
6. Number of doctoral students involved in UTC-funded research projects.	0
7. Number of peer reviewed MPC research reports published.	0
8. Number of peer-reviewed journal articles published by faculty.	3
9. Number of peer-reviewed conference papers published by faculty.	1
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	3
Leadership 1. Number of journal editions published by MPC Universities.	0
2. Number of MPC faculty serving on editorial board of journals.	2
3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, ASCE, ITE, etc.	4
4. Number of awards received by MPC faculty or programs.	2
5. Number of conferences and workshops help or sponsored by MPC Universities.	1
6. Number of unique organizations represented at MPC sponsored conferences and workshops.	0
7. Number of individuals attending MPC conferences and workshops.	1

Number of peer-reviewed jour	rnal articles and conference papers presented.	2
Education and Workforce Dev	volonment	
Education and Workforce Dev	•	
teaching assistants who are ass	ated courses offered during the reporting period that were taugh sociated with the UTC.	nt by faculty and/or
	Undergraduate Courses	5
	Graduate Courses	5
	Total	10
2. Number of students a setiminal		
2. Number of students participat	ting in transportation research projects funded by this grant.	•
	Undergraduate Students Graduate Students	0
		0
	Total	0
3. Number of transportation-rela	ted advance degree programs that utilize grant funds to suppo	rt araduate students
	Master's Level Programs	rt graduate students. 2
	Doctoral Level Programs	2
	Total	4
		·
4. Number of graduate students	supported by this grant.	
	Master's Level Student Stipends	5
	Doctoral Level Student Stipends	4
	Total	9
5 No. 1		
b. Number of student supported	by this grant who received degrees.	
	Master's Level Student Stipends	4
	Doctoral Level Student Stipends	2
	Total	6
6. Number of outreach events co	onducted for K-12 audiences.	1
7. Number of graduate courses ((included in measure one) that are offered online.	0
Technology Transfer		
 Number of transportation semi transportation professionals. 	inars, symposia, distance learning classes, etc. conducted by	_
		9
2. Number of transportation profe	essionals participating in those events.	607
3. Number of annual reports and	newsletters published.	2
Collaboration		
Number of internal meetings y	videoconferences, or telephone conferences of the	
MPC executive committee to disc	cuss program administration and plans for	
collaboration among the universit		1
2. Number of projects involving fa	aculty or students from more than one university.	0

Number of students participating in MPC graduate student symposia.	0
4. Number of faculty members who hold affiliated faculty status at other MPC universities.	0
5. Number of collaborative research projects involving faculty and students from more than one MPC university.	0
 Number of collaborative conference or workshops involving several universities, agencies, or LTAP center. 	0

University Transportation Centers (UTC's)

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Performance Indicators	
Number of transportation-related courses offered dur teaching assistants who are associated with the UTC.	ing the reporting period that were taught by faculty and/or
Undergraduate Courses Graduate Courses	4 4
2. Number of students participating in transportation rese	earch projects funded by this grant.
Undergraduate Students Graduate Students	0 0
3. Number of transportation-related advance degree prostudents.	grams that utilize grant funds to support graduate
Master's Level Programs Doctoral Level Programs	1 1
Number of graduate students supported by this grant.	
Undergraduate Students Master's Student Doctoral Student	2 3 2
5. Number of student supported by this grant who receiv	red degrees.
Undergraduate Students Master's Level Programs	0 2

Doctoral Level Programs

Number of applied research projects

Dollar value of applied research projects

Number of advanced research projects

Dollar value of advanced research projects

0	
	\$288,935.00
-	
	-

Research	
Number of transportation research projects selected.	0
2. Total matching dollar leveraged for research.	\$288,935.00
3. Number of faculty members involved in research projects.	0
4. Number of undergraduate students involved in UTC-funded research projects.	0
5. Number of master's degree students involved in UTC-funded research projects.	0
6. Number of doctoral students involved in UTC-funded research projects.	0
7. Number of peer reviewed MPC research reports published.	0
8. Number of peer-reviewed journal articles published by faculty.	9
9. Number of peer-reviewed conference papers published by faculty.	3
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	9
Leadership	
Number of journal editions published by MPC Universities.	0
2. Number of MPC faculty serving on editorial board of journals.	2
3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, ASCE, ITE, etc.	2

4. Number of awards received by	MPC faculty or programs.	
5. Number of conferences and we	orkshops help or sponsored by MPC Universities.	6
6. Number of unique organization	ns represented at MPC sponsored conferences and workshops.	0
7. Number of individuals attendin	g MPC conferences and workshops.	0
8. Number of peer-reviewed journ	nal articles and conference papers presented.	7
Education and Workforce Deve	elopment	
	ed courses offered during the reporting period that were taught by	faculty and
	Undergraduate Courses	4
	Graduate Courses	4
	Total	8
2. Number of students participating	ng in transportation research projects funded by this grant.	
,	Undergraduate Students	0
	Graduate Students	0
	Total	0
3. Number of transportation-relate students.	ed advance degree programs that utilize grant funds to support gra	ıduate
	Master's Level Programs	1
	Doctoral Level Programs	1
	Total	2
4. Number of graduate students s	supported by this grant.	
	Master's Level Student Stipends	3
	Doctoral Level Student Stipends	2
	Total	5
5. Number of student supported b	by this grant who received degrees.	
	Master's Level Student Stipends	2
	Doctoral Level Student Stipends	0
	Total	2
6. Number of outreach events con	nducted for K-12 audiences.	0
7. Number of graduate courses (ir	ncluded in measure one) that are offered online.	0
Technology Transfer		
Number of transportation semin	nars, symposia, distance learning classes, etc. conducted by	
transportation professionals.		29

2. Number of transportation professionals participating in those events.	650
3. Number of annual reports and newsletters published.	0
Collaboration	
Number of internal meetings, videoconferences, or telephone conferences of the MPC executive committee to discuss program administration and plans for	
collaboration among the universities.	2
2. Number of projects involving faculty or students from more than one university.	0
3. Number of students participating in MPC graduate student symposia.	0
4. Number of faculty members who hold affiliated faculty status at other MPC universities.	0
5. Number of collaborative research projects involving faculty and students from more than one MPC university.	0
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6. Number of collaborative conference or workshops involving several universities, agencies, or LTAP center.	0