instructions: The use of this form is mandatory for reporting UTC performance indicators. Report the program-wide indicator metrics for the completed grant year. nclude 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	43	0	6	15	3	0	8	5	
Graduate courses	88	18	5	14	12	23	7	4	
Number of students participating in transportation research projects during the reporting period funded by this grant									
Undergraduate students in research	6	0	0	1	1	0	1	2	
Graduate students in research	39	15	9	3	2	0	3	4	
3. Number of transportation-related advanced degree programs that utilize grant funds during the reporting period to support graduate students									
Masters level programs	18	2	3	1	3	2	5	1	
Doctoral level programs	19	1	3	1	3	1	8	1	
4. Number of students supported by this grant during the reporting period									
Undergraduate students	2	0	0	0	1	0	1	0	
Masters students	23	0	2	14	3	0	2	2	
Doctoral students	27	15	2	0	3	0	4	3	
5. Number of students supported by this grant who received degrees during the reporting period									
Undergraduate degrees	2	0	0	0	0	0	0	0	
Masters degrees	12	3	1	5	1	0	0	1	
Doctoral degrees	5	2	1	0	0	0	1	0	
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	44	7			5	1	5	5	
	\$ 5,175,800.00	\$2,576,367.00	\$ 577,870.00	\$ 396,946.00	\$ 288,935.00	\$ 179,942.00	\$ 288,935.00	\$ 288,935.00	\$ 577,870.00
Number of advanced research projects -		•	-	-	-	-	-	-	-
Dollar value of advanced research projects	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

## **University Transportation Center - Region 8**

FASTACT 69A3551747108 (MPC-533 - MPC-576)

October 1, 2017 - September 30, 2018

Performance Indicators	
Number of transportation-related courses offered during teaching assistants who are associated with the UTC.	ng the reporting period that were taught by faculty and/or
Undergraduate Courses Graduate Courses	43 88
2. Number of students participating in transportation rese	arch projects funded by this grant.
Undergraduate Students Graduate Students	6 39
3. Number of transportation-related advance degree prog	rams that utilize grant funds to support graduate students.
Master's Level Programs  Doctoral Level Programs	18 19
4. Number of graduate students supported by this grant.	
Undergraduate Students	2

23

27

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

Master's Student

**Doctoral Student** 

Undergraduate Students	2
Master's Level Programs	12
Doctoral Level Programs	5

Number of applied research projects

Dollar value of applied research projects

Number of advanced research projects

Dollar value of advanced research projects

44	
	\$5,175,800.00
-	
	-

Research  1. Number of transportation research projects selected.	44
2. Total matching dollar leveraged for research.	\$5,175,800.00
3. Number of faculty members involved in research projects.	26
4. Number of undergraduate students involved in UTC-funded research projects.	4
5. Number of master's degree students involved in UTC-funded research projects.	14
6. Number of doctoral students involved in UTC-funded research projects.	28
7. Number of peer reviewed MPC research reports published.	8
8. Number of peer-reviewed journal articles published by faculty.	41
9. Number of peer-reviewed conference papers published by faculty.	25
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	49
Leadership  1. Number of journal editions published by MPC Universities.	3
2. Number of MPC faculty serving on editorial board of journals.	4
3. Number of MPC faculty members serving on committees (or as friends of	29
4. Number of awards received by MPC faculty or programs.	7
5. Number of conferences and workshops help or sponsored by MPC Universities.	46

6. Number of unique organizations represented at MPC sponsored conferences and workshop	os. 0	
7. Number of individuals attending MPC conferences and workshops.	1,853	
8. Number of peer-reviewed journal articles and conference papers presented.		
Education and Warkforce Development		
Education and Workforce Development  1. Number of transportation related courses offered, during the reporting period that were to use	what have for early a result of the second for the	
1. Number of transportation-related courses offered during the reporting period that were tauge teaching assistants who are associated with the UTC.	int by faculty and/or	
Undergraduate Courses	43	
Graduate Courses	88	
Total	118	
2. Number of students participating in transportation research projects funded by this grant.		
Undergraduate Students	6	
Graduate Students	39	
Total	45	
3. Number of transportation-related advance degree programs that utilize grant funds to supp		
Master's Level Programs	18	
Doctoral Level Programs Total	19	
Total	37	
4. Number of graduate students supported by this grant.		
Master's Level Student Stipends	23	
Doctoral Level Student Stipends	27	
Total	50	
5. Number of student supported by this grant who received degrees.		
Master's Level Student Stipends	12	
Doctoral Level Student Stipends	5	
Total	17	
Number of outreach events conducted for K-12 audiences.	4	
o. Number of outreach events conducted for K-12 addiences.	4	
7. Number of graduate courses (included in measure one) that are offered online.	24	
Tachnology Transfer		
Technology Transfer  1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by		
transportation professionals.	49	
	-10	
2. Number of transportation professionals participating in those events.	2525	
Number of annual reports and newsletters published.	20	
or remote of annual reports and newsletters published.	38	

#### 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.	22
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.	1
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.	12

### North Dakota State University

FASTACT 69A3551747108 (MPC-533 - MPC-576)

October 1, 2017 - September 30, 2018

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	<u>0</u> 18
2. Number of students participating in transportation	research projects funded by this grant.
Undergraduate Students Graduate Students	15
3. 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	0 0 15
5. Number of student supported by this grant who re	eceived degrees.
Undergraduate Students Master's Level Programs Doctoral Level Programs	0 3 2

<sup>6.</sup> 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

7	
	\$2,576,367.00
-	
	-

#### **UTC Specific Indicators**

Research  1. Number of transportation research projects selected.	7
Total matching dollar leveraged for research.	\$2,576,367.00
3. Number of faculty members involved in research projects.	7
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.	16
7. Number of peer reviewed MPC research reports published.	11
8. Number of peer-reviewed journal articles published by faculty.	8
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.	14
Leadership  1. Number of journal editions published by MPC Universities.	0
2. Number of MPC faculty serving on editorial board of journals.	11
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.	3
5. Number of conferences and workshops help or sponsored by MPC Universities.	36
Number of unique organizations represented at MPC sponsored conferences and workshops.	0
7. Number of individuals attending MPC conferences and workshops.	1853
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 assistants who are associated with the UTC.

	Undergraduate Courses	0
	Graduate Courses	18
	Total	5
2. Number of students participating in transportation	on research projects funded by this grant.	
	Undergraduate Students	0
	Graduate Students	15
	Total	15
3. Number of transportation-related advance degree	ee programs that utilize grant funds to support graduate s	
	Master's Level Programs	2
	Doctoral Level Programs	1
	Total	3
4. Number of graduate students supported by this	grant	
4. Number of graduate students supported by this	grant.  Master's Level Student Stipends	0
		0
	Doctoral Level Student Stipends	15
	Total	15
5. Number of student supported by this grant who	received degrees	
o. Number of student supported by this grant who	Master's Level Student Stipends	3
	Doctoral Level Student Stipends	2
	Total	5
	Total	5
6. Number of outreach events conducted for K-12	audiences.	2
7. Number of graduate courses (included in measu	ure one) that are offered online.	18
Technology Transfer		
1. Number of transportation seminars, symposia, of transportation professionals.	distance learning classes, etc. conducted by	33
2. Number of transportation professionals participal	ating in those events.	1853
3. Number of annual reports and newsletters public	shed.	33
Collaboration		
1. Number of internal meetings, vide conference	and clark are a sufficient as a fill a MDO	
<ol> <li>Number of internal meetings, videoconferences, executive committee to discuss program administr</li> </ol>	or telephone conferences of the MPC	
the universities.	ation and plans for collaboration among	2
2. Number of projects involving faculty or students	from more than one university.	0
3. Number of students participating in MPC gradua	ate student symposia.	0
		-
4. Number of faculty members who hold affiliated f	aculty status at other MPC universities.	0
5. Number of collaborative research projects involvone MPC university.	ring faculty and students from more than	0

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

#### South Dakota State University

FASTACT 69A3551747108 (MPC-533 - MPC-576) October 1, 2017 - September 30, 2018

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	15 14
Number of students participating in transportation resear	ch projects funded by this grant.
Undergraduate Students Graduate Students	3
Number of transportation-related advance degree progra	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	0 14 0
<ol><li>Number of student supported by this grant who received</li></ol>	degrees.
Undergraduate Students Master's Level Programs Doctoral Level Programs	0 5 0

<sup>6.</sup> 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

5	
	\$396,946.00
-	
	-

#### **UTC Specific Indicators**

Research	
Number of transportation research projects selected.	5
2. Total matching dollar leveraged for research.	\$396,946.00
3. Number of faculty members involved in research projects.	3
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.	3
6. Number of doctoral students involved in UTC-funded research projects.	0
7. Number of peer reviewed MPC research reports published.	1
8. Number of peer-reviewed journal articles published by faculty.	4
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.	
Leadership  1. Number of journal editions published by MPC Universities.	0
2. Number of MPC faculty serving on editorial board of journals.	0
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.	2
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
8. Number of peer-reviewed journal articles and conference papers presented.	6

#### **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	15
	Graduate Courses	14
	Total	29
2. Number of students participating in transporta	ation research projects funded by this grant.	
	Undergraduate Students	1
	Graduate Students	3
	Total	4
3 Number of transportation-related advance de	gree programs that utilize grant funds to support graduate stude	anto
o. Hamber of transportation related dayance de	Master's Level Programs	1
	Doctoral Level Programs	1
	Total	2
Number of graduate students supported by the	nis grant.  Master's Level Student Stipends	14
	Doctoral Level Student Stipends	0
	Total	14
		14
5. Number of student supported by this grant wh	no received degrees.	
	Master's Level Student Stipends	5
	Doctoral Level Student Stipends	0
	Total	5
6. Number of outreach events conducted for K-1	12 audiences.	0
7. Number of graduate courses (included in mea	asure one) that are offered online.	0
Tachardam Tamafar		
Technology Transfer		
<ol> <li>Number of transportation seminars, symposia professionals.</li> </ol>	a, distance learning classes, etc. conducted by transportation	0
2. Number of transportation professionals partici	ipating in those events.	0
Number of annual reports and newsletters put	blished.	0
Collaboration		
Number of internal meetings, videoconference executive committee to discuss program administratives.	es, or telephone conferences of the MPC stration and plans for collaboration among the	
universities.		8
2. Number of projects involving faculty or studen	ts from more than one university.	0
3. Number of students participating in MPC grad	uate student symposia.	0
4. Number of faculty members who hold affiliated	d faculty status at other MPC universities.	1
<ol> <li>Number of collaborative research projects invo MPC university.</li> </ol>	olving faculty and students from more than one	0

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

### Colorado State University

## FASTACT 69A3551747108 (MPC-533 - MPC-576)

October 1, 2017 - September 30, 2018

#### Performance Indicators

Number of transportation-related courses offer assistants who are associated with the UTC.	red during the reporting period that were taught by faculty and/or teaching
Undergraduate Courses Graduate Courses	<u>6</u> <u>5</u>
2. Number of students participating in transportat	tion research projects funded by this grant.
Undergraduate Students Graduate Students	0 9
3. Number of transportation-related advance deg	ree 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	s grant.
Undergraduate Students Master's Student Doctoral Student	0 2 2
5. Number of student supported by this grant wh	o received degrees.
Undergraduate Students Master's Level Programs Doctoral Level Programs	0 1 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

10	
	\$577,870.00
-	
	-

#### **UTC Specific Indicators**

Research	
Number of transportation research projects selected.	10
2. Total matching dollar leveraged for research.	\$577,870.00
Number of faculty members involved in research projects.	1
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.	3
6. Number of doctoral students involved in UTC-funded research projects.	3
7. Number of peer reviewed MPC research reports published.	2
8. Number of peer-reviewed journal articles published by faculty.	6
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.	6
Leadership  1. Number of journal editions published by MPC Universities.	3
Number of MPC faculty serving on editorial board of journals.	2
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.	2
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
8. Number of peer-reviewed journal articles and conference papers presented.	8

#### **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	6
	Graduate Courses	5
	Total	11
2. Number of students participating in	transportation research projects funded by this grant.	
	Undergraduate Students	0
	Graduate Students	9
	Total	9
2. Number of transportation values of	decrees decrees and the training of the traini	
3. Number of transportation-related a	dvance degree programs that utilize grant funds to support grad	
	Master's Level Programs	3
	Doctoral Level Programs	3
	Total	6
4. Number of graduate students supp	orted by this grant	
and a grander ordering supp	Master's Level Student Stipends	2
	Doctoral Level Student Stipends	2
	Total	4
	Total	4
5. Number of student supported by th	is grant who received degrees.	
	Master's Level Student Stipends	1
	Doctoral Level Student Stipends	1
	Total	2
6. Number of outreach events conduc	ted for K-12 audiences.	0
7. Number of graduate courses (included)	ded in measure one) that are offered online.	0
Tankan Inggaran		
Technology Transfer		
Number of transportation seminars,     transportation professionals	, symposia, distance learning classes, etc. conducted by	
transportation professionals.		0
2. Number of transportation profession	nala participatina in these events	•
2. Number of transportation profession	nais participating in those events.	0
3. Number of annual reports and news	sletters published	0
,	social publication.	
Collaboration		
1. Number of internal meetings, video	conferences, or telephone conferences of the	
MPC executive committee to discuss	program administration and plans for	
collaboration among the universities.		1
O November of a size of a large to the size of a size		
2. Number of projects involving faculty	or students from more than one university.	0
3. Number of students participating in	MDC graduate attidant augus ai-	
3. Number of students participating in	iviro graduate student symposia.	0
4. Number of faculty members who ho	old affiliated faculty status at other MPC universities.	0
5. Number of collaborative research p	rojects involving faculty and students from more	
han one MPC university.		0

<ol><li>Number of collaborative conference or workshops involving several universities, agencies, or LTAP center.</li></ol>	0

## University of Colorado Denver

FASTACT 69A3551747108 (MPC-533 - MPC-576) October 1, 2017 - September 30, 2018

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	3 12		
2. Number of students participating in transportation res	earch projects funded by this grant.		
Undergraduate Students Graduate Students	1		
3. Number of transportation-related advance degree pro	grams 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	1 3 3		
5. Number of student supported by this grant who receive	ved degrees.		
Undergraduate Students  Master's Level Programs  Doctoral Level Programs			

Number of applied research projects	5	
Dollar value of applied research projects		\$288,935.00
Number of advanced research projects	-	
Dollar value of advanced research projects		-

Research  1. Number of transportation research projects selected.	5
2. Total matching dollar leveraged for research.	\$288,935.00
3. Number of faculty members involved in research projects.	3
4. Number of undergraduate students involved in UTC-funded research projects.	11
5. Number of master's degree students involved in UTC-funded research projects.	3
6. Number of doctoral students involved in UTC-funded research projects.	3
7. Number of peer reviewed MPC research reports published.	11
8. Number of peer-reviewed journal articles published by faculty.	17
9. Number of peer-reviewed conference papers published by faculty.	8
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	14
Leadership  1. Number of journal editions published by MPC Universities.	0
2. Number of MPC faculty serving on editorial board of journals.	0
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 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.	8
Education and Workforce Development	
1. Number of transportation-related courses offered during the reporting period that were taught b teaching assistants who are associated with the UTC.	y faculty and/or
Undergraduate Courses	3
Graduate Courses	12
Total	15
2. Number of students participating in transportation research projects funded by this grant.	
Undergraduate Students	1
Graduate Students	2
Total	3
Number of transportation-related advance degree programs that utilize grant funds to support g     Master's Level Programs     Doctoral Level Programs     Total	raduate students. 3 3 6
Number of graduate students supported by this grant.     Master's Level Student Stipends     Doctoral Level Student Stipends     Total	3 3 6
5. Number of student supported by this grant who received degrees.  Master's Level Student Stipends  Doctoral Level Student Stipends  Total	1 0 1
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
Technology Transfer	
Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals.	0
2. Number of transportation professionals participating in those events.	0
3. Number of annual reports and newsletters published.	2

#### Collaboration

<ol> <li>Number of internal meetings, videoconferences, or telephone conferences of the MPC executive committee to discuss program administration and plans for collaboration among the universities.</li> </ol>	4
2. 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
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 of Denver FASTACT 69A3551747108 (MPC-533 - MPC-576)

October 1, 2017 - September 30, 2018

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		0 23	
2. Number of students participating	in transportation research p	projects funded by this grant.	
Undergraduate Students 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		2	
4. Number of graduate students sup	ported by this grant.		
Undergraduate Studen Master's Studen Doctoral Studen	nt C	)	
5. Number of student supported by	this grant who received deg	grees.	
Undergraduate Students Master's Level Programs Doctoral Level Programs	0	)	

Number of applied research projects

Dollar value of applied research projects

Number of advanced research projects

Dollar value of advanced research projects

-

#### **UTC Specific Indicators**

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

<ol><li>Number of unique organizations represent</li></ol>	ed at MPC sponsored conferences and workshops	0
7. Number of individuals attending MPC conf	erences and workshops.	0
8. Number of peer-reviewed journal articles a	nd conference papers presented.	2
	-	
Education and Workforce Development		
<ol> <li>Number of transportation-related courses of teaching assistants who are associated with</li> </ol>	offered during the reporting period that were taught be the UTC.	y faculty and/or
<b>3</b>	Undergraduate Courses	0
	Graduate Courses	23
	Total	23
2. Number of students participating in transport	ortation research projects funded by this grant.	
2. Number of students participating in transpo	Undergraduate Students	0
	Graduate Students	0
	Total -	0
	-	
2. Number of transportation valetad advance	de marche de la companya de la compa	
3. Number of transportation-related advance	degree programs that utilize grant funds to support of Master's Level Programs	
	Doctoral Level Programs	2 1
	Total	3
	-	
4. Number of graduate students supported by		
	Master's Level Student Stipends	0
	Doctoral Level Student Stipends	0
	Total -	0
5. Number of student supported by this grant	9	_
	Master's Level Student Stipends	0
	Doctoral Level Student Stipends	0
	Total -	0
6. Number of outreach events conducted for	K-12 audiences.	0
7. Number of graduate courses (included in n	neasure one) that are offered online.	0
Technology Transfer		
	sia, distance learning classes, etc. conducted by	_
transportation professionals.	-	2
2. Number of transportation professionals par	ticipating in those events.	15
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 expense the universities.	
collaboration among the universities.	4
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
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 of Utah**

FASTACT 69A3551747108 (MPC-533 - MPC-576) October 1, 2017 - September 30, 2018

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	<u>8</u> 7		
2. Number of students participating in transportation rese	earch projects funded by this grant.		
Undergraduate Students Graduate Students	1 3		
3. Number of transportation-related advance degree prog	grams that utilize grant funds to support graduate students.		
Master's Level Programs  Doctoral Level Programs	<u>5</u>		
4. Number of graduate students supported by this grant.			
Undergraduate Students Master's Student Doctoral Student	1 2 4		
5. Number of student supported by this grant who receiv	ed degrees.		
Undergraduate Students	0		
Master's Level Programs  Doctoral Level Programs	<u>0</u> 1		

Number of applied research projects	5	
Dollar value of applied research projects		\$288,935.00
Number of advanced research projects	-	
Dollar value of advanced research projects		-

Research  1. Number of transportation research projects selected.	5
2. Total matching dollar leveraged for research.	\$288,935.00
3. Number of faculty members involved in research projects.	7
4. Number of undergraduate students involved in UTC-funded research projects.	1
5. Number of master's degree students involved in UTC-funded research projects.	2
6. Number of doctoral students involved in UTC-funded research projects.	2
7. Number of peer reviewed MPC research reports published.	1
8. Number of peer-reviewed journal articles published by faculty.	4
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.	5
Leadership  1. 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.	3
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 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.	18
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	8
Graduate Courses	7
Total	15
Number of students participating in transportation research projects funded by this grant.	
Undergraduate Students	1
Graduate Students	3
Total	4
3. Number of transportation-related advance degree programs that utilize grant funds to support	graduate students.
Master's Level Programs	5
Doctoral Level Programs	8
Total	13
4. Number of graduate students supported by this grant.	
Master's Level Student Stipends	2
Doctoral Level Student Stipends	4
Total	6
·	
5. Number of student supported by this grant who received degrees.	
Master's Level Student Stipends	0
Doctoral Level Student Stipends	1
Total	1
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	
Number of transportation seminars, symposia, distance learning classes, etc. conducted by	
transportation professionals.	1
2. Number of transportation professionals participating in those events.	13
• • • • • • • • • • • • • • • • • • •	10
Number of annual reports and newsletters published.	1

2
0
0
0
0
0

### Utah State University

FASTACT 69A3551747108 (MPC-533 - MPC-576) October 1, 2017 - September 30, 2018

#### **Performance Indicators**

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	<u>5</u> <u>4</u>	
2. Number of students participating in transportation resea	rch projects funded by this grant.	
Undergraduate Students Graduate Students	2 4	
3. Number of transportation-related advance degree progra	ams 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	<u>2</u> 3	
5. Number of student supported by this grant who received	d degrees.	
Undergraduate Students	0	
Master's Level Programs	1	
Doctoral Level Programs	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

Dollar value of applied research projects

Number of advanced research projects

Dollar value of advanced research projects

5	
	\$288,935.00
-	
	-

Research  1. Number of transportation research projects selected.	5
2. Total matching dollar leveraged for research.	\$288,935.00
3. Number of faculty members involved in research projects.	3
4. Number of undergraduate students involved in UTC-funded research projects.	2
5. Number of master's degree students involved in UTC-funded research projects.	2
6. Number of doctoral students involved in UTC-funded research projects.	3
7. Number of peer reviewed MPC research reports published.	2
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.	2
Leadership  1. Number of journal editions published by MPC Universities.	0
2. Number of MPC faculty serving on editorial board of journals.	0
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 represented at MDC anamarad conference and wards have	0
Number of unique organizations represented at MPC sponsored conferences and workshops.	0
7 Number of individuals attending MPC conferences and workshops	Ω

8. Number of peer-reviewed journal articles ar	nd conference papers presented.	1
Education and Workforce Development		
·	ffered during the reporting period that were taught	by faculty and/or
teaching assistants who are associated with the	Undergraduate Courses	5
	Graduate Courses	4
	Total	9
Number of students participating in transpo	dation research projects funded by this grant	
paragraph and a second of the	Undergraduate Students	2
	Graduate Students	4
	Total	6
3. Number of transportation-related advance of	legree programs that utilize grant funds to support Master's Level Programs Doctoral Level Programs Total	graduate students.  1 1 2
4. Number of graduate students supported by	this grant.	
	Master's Level Student Stipends	2
	Doctoral Level Student Stipends	3
	Total	5
5. Number of student supported by this grant v	who received degrees	
grant	Master's Level Student Stipends	1
	Doctoral Level Student Stipends	0
	Total	1
6. Number of outreach events conducted for K	-12 audiences.	0
7. Number of graduate courses (included in me	easure one) that are offered online.	0
Technology Transfer  1. Number of transportation seminars, sympos transportation professionals.	ia, distance learning classes, etc. conducted by	3
2. Number of transportation professionals part	cipating in those events.	370
3. Number of annual reports and newsletters p	ublished.	2
Collaboration		
Number of internal meetings, videoconferen	ces, or telephone conferences of the	
MPC executive committee to discuss program collaboration among the universities.	administration and plans for	1
Number of projects involving faculty or stude	ents 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.	2

### **University of Wyoming**

FASTACT 69A3551747108 (MPC-533 - MPC-576) October 1, 2017 - September 30, 2018

1 chomiance maleators	
Number of transportation-related courses offered durin teaching assistants who are associated with the UTC.	ng the reporting period that were taught by faculty and/or
Undergraduate Courses Graduate Courses	<u>6</u> <u>5</u>
2. Number of students participating in transportation research	arch projects funded by this grant.
Undergraduate Students Graduate Students	<u>1</u> <u>3</u>
<ol> <li>Number of transportation-related advance degree prog students.</li> </ol>	rams that utilize grant funds to support graduate
Master's Level Programs  Doctoral Level Programs	<u>1</u> 1
4. Number of graduate students supported by this grant.	
Undergraduate Students Master's Student Doctoral Student	0 0 0
5. Number of student supported by this grant who receive	ed degrees.
Undergraduate Students Master's Level Programs 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

6	
	\$577,870.00
-	
	-

Research	
Number of transportation research projects selected.	6
2. Total matching dollar leveraged for research.	\$577,870.00
3. Number of faculty members involved in research projects.	1
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.	1
6. Number of doctoral students involved in UTC-funded research projects.	1
7. Number of peer reviewed MPC research reports published.	0
8. Number of peer-reviewed journal articles published by faculty.	2
9. Number of peer-reviewed conference papers published by faculty.	2
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	2
Leadership	
Number of journal editions published by MPC Universities.	0
2. Number of MPC faculty serving on editorial board of journals.	0
3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, ASCE, ITE, etc.	1
4. Number of awards received by MPC faculty or programs.	0
5. Number of conferences and workshops help or sponsored by MPC Universities.	10

6. Number of unique organizations represented at	t MPC sponsored conferences and workshops.	0
7. Number of individuals attending MPC conference	ces and workshops.	0
8. Number of peer-reviewed journal articles and c	onference papers presented.	2
Education and Workforce Development		
•		·
teaching assistants who are associated with the L		aculty and/or
	ndergraduate Courses	6
	aduate Courses	5
To	otal .	11
2. Number of students participating in transportati	on research projects funded by this grant.	
Ur	ndergraduate Students	1
Gr	aduate Students	3
To	otal	4
3. Number of transportation-related advance degr students.	ee programs that utilize grant funds to support gra	duate
Ma	aster's Level Programs	1
Do	octoral Level Programs	1
To	ıtal	2
Number of graduate students supported by this     To	Master's Level Student Stipends Doctoral Level Student Stipends	0 0 0
5. Number of student supported by this grant who	received degrees	
and grain who	Master's Level Student Stipends	1
	Doctoral Level Student Stipends	<u>·</u>
То	•	2
6. Number of outreach events conducted for K-12	audiences.	0
7. Number of graduate courses (included in measu	ure one) that are offered online.	0
Technology Transfer		
Number of transportation seminars, symposia, of transportation professionals.	distance learning classes, etc. conducted by	10
2. Number of transportation professionals participa	ating in those events.	274

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.	0
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.	10