

University Transportation Centers Program Performance Indicators
Mountain-Plains Consortium
University Transportation Center - Region 8
FASTACT 69A3551747108 (MPC-533 – MPC-701)
October 1, 2021 - September 30, 2022

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	66
Graduate Courses	<u>106</u>

2. Number of students participating in transportation research projects funded by this grant.

Undergraduate Students	36
Graduate Students	<u>166</u>

3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.

Master's Level Programs	20
Doctoral Level Programs	<u>24</u>

4. Number of graduate students supported by this grant.

Undergraduate Students	36
Master's Students	<u>65</u>
Doctoral Students	<u>101</u>

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

Undergraduate Students	12
Master's Level Programs	<u>45</u>
Doctoral Level Programs	<u>57</u>

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	168	
Dollar value of applied research projects	<u>\$15,584,200.00</u>	
Number of advanced research projects	0	
Dollar value of advanced research projects	<u>\$0.00</u>	
Total Research Projects	168	
Total Dollar Value of Research Projects	\$15,584,200.00	

UTC Specific Indicators

Research

1. Number of transportation research projects selected.	168
2. Total matching dollar leveraged for research.	\$15,584,200.00
3. Number of faculty members involved in research projects.	94
4. Number of undergraduate students involved in UTC-funded research projects.	36
5. Number of master's degree students involved in UTC-funded research projects.	65
6. Number of doctoral students involved in UTC-funded research projects.	101
7. Number of peer reviewed MPC research reports published.	31
8. Number of peer-reviewed journal articles published by faculty.	115
9. Number of peer-reviewed conference papers published by faculty.	42
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	110

Leadership

1. Number of journal editions published by MPC Universities.	15
2. Number of MPC faculty serving on editorial board of journals.	26
3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, ASCE, ITE, etc.	45
4. Number of awards received by MPC faculty or programs.	6
5. Number of conferences and workshops help or sponsored by MPC Universities.	3
6. Number of unique organizations represented at MPC sponsored conferences and workshops.	134
7. Number of individuals attending MPC conferences and workshops.	3,200
8. Number of peer-reviewed journal articles and conference papers presented.	88

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	65
Graduate Courses	111
Total	176

2. Number of students participating in transportation research projects funded by this grant.		
	Undergraduate Students	36
	Graduate Students	166
	Total	202
3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.		
	Master's Level Programs	42
	Doctoral Level Programs	32
	Total	74
4. Number of graduate students supported by this grant.		
	Master's Level Student Stipends	70
	Doctoral Level Student Stipends	84
	Total	165
5. Number of student supported by this grant who received degrees.		
	Master's Level Student Stipends	35
	Doctoral Level Student Stipends	27
	Total	62
6. Number of outreach events conducted for K-12 audiences.		9
7. Number of graduate courses (included in measure one) that are offered online.		56

Technology Transfer

1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals.		350
2. Number of transportation professionals participating in those events.		5521
3. Number of annual reports and newsletters published.		11

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.		22
2. Number of projects involving faculty or students from more than one university.		6
3. Number of students participating in MPC graduate student symposia.		5
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.		5
6. Number of collaborative conference or workshops involving several universities, agencies, or LTAP center.		62

**University Transportation Centers Program Performance Indicators
Mountain-Plains Consortium
Colorado State University
FASTACT 69A3551747108 (MPC-533 – MPC-701)
October 1, 2021 - September 30, 2022**

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	<u>5</u>
Graduate Courses	<u>5</u>

2. Number of students participating in transportation research projects funded by this grant.

Undergraduate Students	<u>17</u>
Graduate Students	<u>24</u>

3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.

Master's Level Programs	<u>2</u>
Doctoral Level Programs	<u>2</u>

4. Number of graduate students supported by this grant.

Undergraduate Students	<u>17</u>
Master's Students	<u>7</u>
Doctoral Students	<u>17</u>

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

Undergraduate Students	<u>0</u>
Master's Level Programs	<u>3</u>
Doctoral Level Programs	<u>3</u>

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	<u>28</u>
Dollar value of applied research projects	<u>\$1,708,587.00</u>
Number of advanced research projects	<u>0</u>
Dollar value of advanced research projects	<u>\$0.00</u>

UTC Specific Indicators

Research

1. Number of transportation research projects selected.	<u>28</u>
2. Total matching dollar leveraged for research.	<u>\$1,708,587.00</u>
3. Number of faculty members involved in research projects.	<u>15</u>
4. Number of undergraduate students involved in UTC-funded research projects.	<u>17</u>
5. Number of master's degree students involved in UTC-funded research projects.	<u>7</u>
6. Number of doctoral students involved in UTC-funded research projects.	<u>17</u>
7. Number of peer reviewed MPC research reports published.	<u>5</u>
8. Number of peer-reviewed journal articles published by faculty.	<u>28</u>
9. Number of peer-reviewed conference papers published by faculty.	<u>10</u>
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	<u>18</u>

Leadership

1. Number of journal editions published by MPC Universities.	<u>0</u>
2. Number of MPC faculty serving on editorial board of journals.	<u>5</u>
3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, ASCE, ITE, etc.	<u>6</u>
4. Number of awards received by MPC faculty or programs.	<u>1</u>
5. Number of conferences and workshops help or sponsored by MPC Universities.	<u>0</u>
6. Number of unique organizations represented at MPC sponsored conferences and workshops.	<u>0</u>
7. Number of individuals attending MPC conferences and workshops.	<u>0</u>
8. Number of peer-reviewed journal articles and conference papers presented.	<u>36</u>

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	<u>5</u>
Graduate Courses	<u>5</u>
Total	<u>10</u>

2. Number of students participating in transportation research projects funded by this grant.		
	Undergraduate Students	17
	Graduate Students	24
	Total	41
3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.		
	Master's Level Programs	2
	Doctoral Level Programs	2
	Total	4
4. Number of graduate students supported by this grant.		
	Master's Level Student Stipends	7
	Doctoral Level Student Stipends	17
	Total	24
5. Number of student supported by this grant who received degrees.		
	Master's Level Student Stipends	3
	Doctoral Level Student Stipends	5
	Total	8
6. Number of outreach events conducted for K-12 audiences.		3
7. Number of graduate courses (included in measure one) that are offered online.		2

Technology Transfer

1. 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.		0

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.		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.		0

**University Transportation Centers Program Performance Indicators
Mountain-Plains Consortium
North Dakota State University
FASTACT 69A3551747108 (MPC-533 – MPC-701)
October 1, 2021 - September 30, 2022**

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	<u>5</u>
Graduate Courses	<u>24</u>

2. Number of students participating in transportation research projects funded by this grant.

Undergraduate Students	<u>6</u>
Graduate Students	<u>19</u>

3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.

Master's Level Programs	<u>2</u>
Doctoral Level Programs	<u>1</u>

4. Number of graduate students supported by this grant.

Undergraduate Students	<u>6</u>
Master's Students	<u>1</u>
Doctoral Students	<u>18</u>

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

Undergraduate Students	<u>3</u>
Master's Level Programs	<u>1</u>
Doctoral Level Programs	<u>5</u>

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	<u>14</u>	
Dollar value of applied research projects	<u>\$4,070,355.00</u>	
Number of advanced research projects	<u>0</u>	
Dollar value of advanced research projects	<u>\$0.00</u>	

UTC Specific Indicators

Research

1. Number of transportation research projects selected.	<u>14</u>
2. Total matching dollar leveraged for research.	<u>\$4,070,355.00</u>
3. Number of faculty members involved in research projects.	<u>19</u>
4. Number of undergraduate students involved in UTC-funded research projects.	<u>6</u>
5. Number of master's degree students involved in UTC-funded research projects.	<u>1</u>
6. Number of doctoral students involved in UTC-funded research projects.	<u>18</u>
7. Number of peer reviewed MPC research reports published.	<u>9</u>
8. Number of peer-reviewed journal articles published by faculty.	<u>19</u>
9. Number of peer-reviewed conference papers published by faculty.	<u>5</u>
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	<u>18</u>

Leadership

1. Number of journal editions published by MPC Universities.	<u>13</u>
2. Number of MPC faculty serving on editorial board of journals.	<u>9</u>
3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, ASCE, ITE, etc.	<u>6</u>
4. Number of awards received by MPC faculty or programs.	<u>2</u>
5. Number of conferences and workshops help or sponsored by MPC Universities.	<u>0</u>
6. Number of unique organizations represented at MPC sponsored conferences and workshops.	<u>0</u>
7. Number of individuals attending MPC conferences and workshops.	<u>1812</u>
8. Number of peer-reviewed journal articles and conference papers presented.	<u>16</u>

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	<u>5</u>
Graduate Courses	<u>24</u>
Total	<u>29</u>

2. Number of students participating in transportation research projects funded by this grant.		
	Undergraduate Students	6
	Graduate Students	19
	Total	25
3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.		
	Master's Level Programs	2
	Doctoral Level Programs	1
	Total	3
4. Number of graduate students supported by this grant.		
	Master's Level Student Stipends	6
	Doctoral Level Student Stipends	1
	Total	18
5. Number of student supported by this grant who received degrees.		
	Master's Level Student Stipends	1
	Doctoral Level Student Stipends	5
	Total	6
6. Number of outreach events conducted for K-12 audiences.		0
7. Number of graduate courses (included in measure one) that are offered online.		30

Technology Transfer

1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals.		183
2. Number of transportation professionals participating in those events.		1812
3. Number of annual reports and newsletters published.		9

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.		12
2. Number of projects involving faculty or students from more than one university.		3
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.		3
6. Number of collaborative conference or workshops involving several universities, agencies, or LTAP center.		0

University Transportation Centers Program Performance Indicators
Mountain-Plains Consortium
South Dakota State University
FASTACT 69A3551747108 (MPC-533 – MPC-701)
October 1, 2021 - September 30, 2022

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	<u>6</u>
Graduate Courses	<u>15</u>

2. Number of students participating in transportation research projects funded by this grant.

Undergraduate Students	<u>2</u>
Graduate Students	<u>22</u>

3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.

Master's Level Programs	<u>4</u>
Doctoral Level Programs	<u>4</u>

4. Number of graduate students supported by this grant.

Undergraduate Students	<u>2</u>
Master's Students	<u>17</u>
Doctoral Students	<u>5</u>

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

Undergraduate Students	<u>0</u>
Master's Level Programs	<u>5</u>
Doctoral Level Programs	<u>1</u>

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	<u>18</u>
Dollar value of applied research projects	<u>\$1,708,587.00</u>
Number of advanced research projects	<u>0</u>
Dollar value of advanced research projects	<u>\$0.00</u>

UTC Specific Indicators

Research

1. Number of transportation research projects selected.	<u>18</u>
2. Total matching dollar leveraged for research.	<u>\$1,708,587.00</u>
3. Number of faculty members involved in research projects.	<u>10</u>
4. Number of undergraduate students involved in UTC-funded research projects.	<u>2</u>
5. Number of master's degree students involved in UTC-funded research projects.	<u>17</u>
6. Number of doctoral students involved in UTC-funded research projects.	<u>5</u>
7. Number of peer reviewed MPC research reports published.	<u>4</u>
8. Number of peer-reviewed journal articles published by faculty.	<u>13</u>
9. Number of peer-reviewed conference papers published by faculty.	<u>1</u>
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	<u>12</u>

Leadership

1. Number of journal editions published by MPC Universities.	<u>0</u>
2. Number of MPC faculty serving on editorial board of journals.	<u>2</u>
3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, ASCE, ITE, etc.	<u>5</u>
4. Number of awards received by MPC faculty or programs.	<u>0</u>
5. Number of conferences and workshops help or sponsored by MPC Universities.	<u>0</u>
6. Number of unique organizations represented at MPC sponsored conferences and workshops.	<u>0</u>
7. Number of individuals attending MPC conferences and workshops.	<u>0</u>
8. Number of peer-reviewed journal articles and conference papers presented.	<u>12</u>

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	<u>6</u>
Graduate Courses	<u>15</u>
Total	<u>21</u>

2. Number of students participating in transportation research projects funded by this grant.		
	Undergraduate Students	2
	Graduate Students	22
	Total	24
3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.		
	Master's Level Programs	17
	Doctoral Level Programs	5
	Total	22
4. Number of graduate students supported by this grant.		
	Master's Level Student Stipends	17
	Doctoral Level Student Stipends	5
	Total	22
5. Number of student supported by this grant who received degrees.		
	Master's Level Student Stipends	17
	Doctoral Level Student Stipends	5
	Total	22
6. Number of outreach events conducted for K-12 audiences.		0
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.		0
2. Number of transportation professionals participating in those events.		0
3. Number of annual reports and newsletters published.		0

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.		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.		1

University Transportation Centers Program Performance Indicators
Mountain-Plains Consortium
University of Colorado Denver
FASTACT 69A3551747108 (MPC-533 – MPC-701)
October 1, 2021 - September 30, 2022

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	<u>5</u>
Graduate Courses	<u>13</u>

2. Number of students participating in transportation research projects funded by this grant.

Undergraduate Students	<u>4</u>
Graduate Students	<u>18</u>

3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.

Master's Level Programs	<u>3</u>
Doctoral Level Programs	<u>3</u>

4. Number of graduate students supported by this grant.

Undergraduate Students	<u>4</u>
Master's Students	<u>9</u>
Doctoral Students	<u>9</u>

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

Undergraduate Students	<u>2</u>
Master's Level Programs	<u>3</u>
Doctoral Level Programs	<u>2</u>

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	<u>22</u>
Dollar value of applied research projects	<u>\$1,708,587.00</u>
Number of advanced research projects	<u>0</u>
Dollar value of advanced research projects	<u>\$0.00</u>

UTC Specific Indicators

Research

1. Number of transportation research projects selected.	<u>22</u>
2. Total matching dollar leveraged for research.	<u>\$1,708,587.00</u>
3. Number of faculty members involved in research projects.	<u>12</u>
4. Number of undergraduate students involved in UTC-funded research projects.	<u>4</u>
5. Number of master's degree students involved in UTC-funded research projects.	<u>9</u>
6. Number of doctoral students involved in UTC-funded research projects.	<u>9</u>
7. Number of peer reviewed MPC research reports published.	<u>5</u>
8. Number of peer-reviewed journal articles published by faculty.	<u>30</u>
9. Number of peer-reviewed conference papers published by faculty.	<u>6</u>
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	<u>28</u>

Leadership

1. Number of journal editions published by MPC Universities.	<u>0</u>
2. Number of MPC faculty serving on editorial board of journals.	<u>2</u>
3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, ASCE, ITE, etc.	<u>10</u>
4. Number of awards received by MPC faculty or programs.	<u>0</u>
5. Number of conferences and workshops help or sponsored by MPC Universities.	<u>1</u>
6. Number of unique organizations represented at MPC sponsored conferences and workshops.	<u>20</u>
7. Number of individuals attending MPC conferences and workshops.	<u>100</u>
8. Number of peer-reviewed journal articles and conference papers presented.	<u>6</u>

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	<u>4</u>
Graduate Courses	<u>18</u>
Total	<u>22</u>

2. Number of students participating in transportation research projects funded by this grant.		
	Undergraduate Students	4
	Graduate Students	18
	Total	22
3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.		
	Master's Level Programs	3
	Doctoral Level Programs	3
	Total	6
4. Number of graduate students supported by this grant.		
	Master's Level Student Stipends	9
	Doctoral Level Student Stipends	9
	Total	18
5. Number of student supported by this grant who received degrees.		
	Master's Level Student Stipends	3
	Doctoral Level Student Stipends	2
	Total	5
6. Number of outreach events conducted for K-12 audiences.		0
7. Number of graduate courses (included in measure one) that are offered online.		12

Technology Transfer

1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals.		1
2. Number of transportation professionals participating in those events.		100
3. Number of annual reports and newsletters published.		0

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.		2
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.		1
6. Number of collaborative conference or workshops involving several universities, agencies, or LTAP center.		0

**University Transportation Centers Program Performance Indicators
Mountain-Plains Consortium
University of Denver
FASTACT 69A3551747108 (MPC-533 – MPC-701)
October 1, 2021 - September 30, 2022**

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	<u>7</u>
Graduate Courses	<u>24</u>

2. Number of students participating in transportation research projects funded by this grant.

Undergraduate Students	<u>0</u>
Graduate Students	<u>10</u>

3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.

Master's Level Programs	<u>1</u>
Doctoral Level Programs	<u>1</u>

4. Number of graduate students supported by this grant.

Undergraduate Students	<u>0</u>
Master's Students	<u>4</u>
Doctoral Students	<u>6</u>

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

Undergraduate Students	<u>0</u>
Master's Level Programs	<u>6</u>
Doctoral Level Programs	<u>0</u>

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	<u>7</u>
Dollar value of applied research projects	<u>\$1,212,298.00</u>
Number of advanced research projects	<u>0</u>
Dollar value of advanced research projects	<u>\$0.00</u>

UTC Specific Indicators

Research

1. Number of transportation research projects selected.	<u>7</u>
2. Total matching dollar leveraged for research.	<u>\$1,212,298.00</u>
3. Number of faculty members involved in research projects.	<u>3</u>
4. Number of undergraduate students involved in UTC-funded research projects.	<u>0</u>
5. Number of master's degree students involved in UTC-funded research projects.	<u>4</u>
6. Number of doctoral students involved in UTC-funded research projects.	<u>6</u>
7. Number of peer reviewed MPC research reports published.	<u>1</u>
8. Number of peer-reviewed journal articles published by faculty.	<u>0</u>
9. Number of peer-reviewed conference papers published by faculty.	<u>0</u>
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	<u>0</u>

Leadership

1. Number of journal editions published by MPC Universities.	<u>0</u>
2. Number of MPC faculty serving on editorial board of journals.	<u>1</u>
3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, ASCE, ITE, etc.	<u>1</u>
4. Number of awards received by MPC faculty or programs.	<u>0</u>
5. Number of conferences and workshops help or sponsored by MPC Universities.	<u>0</u>
6. Number of unique organizations represented at MPC sponsored conferences and workshops.	<u>0</u>
7. Number of individuals attending MPC conferences and workshops.	<u>0</u>
8. Number of peer-reviewed journal articles and conference papers presented.	<u>0</u>

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	<u>7</u>
Graduate Courses	<u>24</u>
Total	<u>31</u>

2. Number of students participating in transportation research projects funded by this grant.	
Undergraduate Students	0
Graduate Students	10
Total	10

3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.	
Master's Level Programs	1
Doctoral Level Programs	1
Total	2

4. Number of graduate students supported by this grant.	
Master's Level Student Stipends	4
Doctoral Level Student Stipends	6
Total	10

5. Number of student supported by this grant who received degrees.	
Master's Level Student Stipends	4
Doctoral Level Student Stipends	6
Total	10

6. Number of outreach events conducted for K-12 audiences.	0
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7. Number of graduate courses (included in measure one) that are offered online.	0
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Technology Transfer

1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals.	3
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2. Number of transportation professionals participating in those events.	258
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3. Number of annual reports and newsletters published.	0
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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.	2
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2. Number of projects involving faculty or students from more than one university.	0
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3. Number of students participating in MPC graduate student symposia.	3
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4. Number of faculty members who hold affiliated faculty status at other MPC universities.	0
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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.	1
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University Transportation Centers Program Performance Indicators
Mountain-Plains Consortium
University of Utah
FASTACT 69A3551747108 (MPC-533 – MPC-701)
October 1, 2021 - September 30, 2022

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	<u>15</u>
Graduate Courses	<u>7</u>

2. Number of students participating in transportation research projects funded by this grant.

Undergraduate Students	<u>5</u>
Graduate Students	<u>33</u>

3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.

Master's Level Programs	<u>6</u>
Doctoral Level Programs	<u>11</u>

4. Number of graduate students supported by this grant.

Undergraduate Students	<u>5</u>
Master's Students	<u>15</u>
Doctoral Students	<u>18</u>

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

Undergraduate Students	<u>5</u>
Master's Level Programs	<u>15</u>
Doctoral Level Programs	<u>18</u>

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	<u>35</u>
Dollar value of applied research projects	<u>\$1,758,612.00</u>
Number of advanced research projects	<u>0</u>
Dollar value of advanced research projects	<u>\$0.00</u>

UTC Specific Indicators

Research

1. Number of transportation research projects selected.	<u>35</u>
2. Total matching dollar leveraged for research.	<u>\$1,758,612.00</u>
3. Number of faculty members involved in research projects.	<u>12</u>
4. Number of undergraduate students involved in UTC-funded research projects.	<u>5</u>
5. Number of master's degree students involved in UTC-funded research projects.	<u>15</u>
6. Number of doctoral students involved in UTC-funded research projects.	<u>18</u>
7. Number of peer reviewed MPC research reports published.	<u>1</u>
8. Number of peer-reviewed journal articles published by faculty.	<u>4</u>
9. Number of peer-reviewed conference papers published by faculty.	<u>8</u>
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	<u>10</u>

Leadership

1. Number of journal editions published by MPC Universities.	<u>2</u>
2. Number of MPC faculty serving on editorial board of journals.	<u>3</u>
3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, ASCE, ITE, etc.	<u>5</u>
4. Number of awards received by MPC faculty or programs.	<u>1</u>
5. Number of conferences and workshops help or sponsored by MPC Universities.	<u>1</u>
6. Number of unique organizations represented at MPC sponsored conferences and workshops.	<u>0</u>
7. Number of individuals attending MPC conferences and workshops.	<u>300</u>
8. Number of peer-reviewed journal articles and conference papers presented.	<u>4</u>

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	<u>15</u>
Graduate Courses	<u>7</u>
Total	<u>22</u>

2. Number of students participating in transportation research projects funded by this grant.		
	Undergraduate Students	5
	Graduate Students	33
	Total	38
3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.		
	Master's Level Programs	15
	Doctoral Level Programs	18
	Total	33
4. Number of graduate students supported by this grant.		
	Master's Level Student Stipends	15
	Doctoral Level Student Stipends	18
	Total	33
5. Number of student supported by this grant who received degrees.		
	Master's Level Student Stipends	3
	Doctoral Level Student Stipends	3
	Total	6
6. Number of outreach events conducted for K-12 audiences.		6
7. Number of graduate courses (included in measure one) that are offered online.		3

Technology Transfer

1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals.		3
2. Number of transportation professionals participating in those events.		300
3. Number of annual reports and newsletters published.		0

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.		1
3. Number of students participating in MPC graduate student symposia.		2
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.		1
6. Number of collaborative conference or workshops involving several universities, agencies, or LTAP center.		0

**University Transportation Centers Program Performance Indicators
Mountain-Plains Consortium
University of Wyoming
FASTACT 69A3551747108 (MPC-533 – MPC-701)
October 1, 2021 - September 30, 2022**

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	<u>14</u>
Graduate Courses	<u>10</u>

2. Number of students participating in transportation research projects funded by this grant.

Undergraduate Students	<u>0</u>
Graduate Students	<u>21</u>

3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.

Master's Level Programs	<u>1</u>
Doctoral Level Programs	<u>1</u>

4. Number of graduate students supported by this grant.

Undergraduate Students	<u>0</u>
Master's Students	<u>7</u>
Doctoral Students	<u>14</u>

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

Undergraduate Students	<u>0</u>
Master's Level Programs	<u>7</u>
Doctoral Level Programs	<u>14</u>

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	<u>20</u>
Dollar value of applied research projects	<u>\$1,708,587.00</u>
Number of advanced research projects	<u>0</u>
Dollar value of advanced research projects	<u>\$0.00</u>

UTC Specific Indicators

Research

1. Number of transportation research projects selected.	<u>20</u>
2. Total matching dollar leveraged for research.	<u>\$1,708,587.00</u>
3. Number of faculty members involved in research projects.	<u>14</u>
4. Number of undergraduate students involved in UTC-funded research projects.	<u>0</u>
5. Number of master's degree students involved in UTC-funded research projects.	<u>7</u>
6. Number of doctoral students involved in UTC-funded research projects.	<u>14</u>
7. Number of peer reviewed MPC research reports published.	<u>3</u>
8. Number of peer-reviewed journal articles published by faculty.	<u>20</u>
9. Number of peer-reviewed conference papers published by faculty.	<u>7</u>
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	<u>18</u>

Leadership

1. Number of journal editions published by MPC Universities.	<u>0</u>
2. Number of MPC faculty serving on editorial board of journals.	<u>1</u>
3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, ASCE, ITE, etc.	<u>3</u>
4. Number of awards received by MPC faculty or programs.	<u>0</u>
5. Number of conferences and workshops help or sponsored by MPC Universities.	<u>1</u>
6. Number of unique organizations represented at MPC sponsored conferences and workshops.	<u>114</u>
7. Number of individuals attending MPC conferences and workshops.	<u>988</u>
8. Number of peer-reviewed journal articles and conference papers presented.	<u>11</u>

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	<u>14</u>
Graduate Courses	<u>10</u>
Total	<u>24</u>

2. Number of students participating in transportation research projects funded by this grant.		
	Undergraduate Students	0
	Graduate Students	21
	Total	21
3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.		
	Master's Level Programs	1
	Doctoral Level Programs	1
	Total	2
4. Number of graduate students supported by this grant.		
	Master's Level Student Stipends	7
	Doctoral Level Student Stipends	14
	Total	21
5. Number of student supported by this grant who received degrees.		
	Master's Level Student Stipends	2
	Doctoral Level Student Stipends	0
	Total	2
6. Number of outreach events conducted for K-12 audiences.		0
7. Number of graduate courses (included in measure one) that are offered online.		2

Technology Transfer

1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals.		43
2. Number of transportation professionals participating in those events.		988
3. 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.		1
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 Program Performance Indicators
Mountain-Plains Consortium
Utah State University
FASTACT 69A3551747108 (MPC-533 – MPC-701)
October 1, 2021 - September 30, 2022

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	<u>9</u>
Graduate Courses	<u>8</u>

2. Number of students participating in transportation research projects funded by this grant.

Undergraduate Students	<u>2</u>
Graduate Students	<u>19</u>

3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.

Master's Level Programs	<u>1</u>
Doctoral Level Programs	<u>1</u>

4. Number of graduate students supported by this grant.

Undergraduate Students	<u>2</u>
Master's Students	<u>5</u>
Doctoral Students	<u>14</u>

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

Undergraduate Students	<u>2</u>
Master's Level Programs	<u>5</u>
Doctoral Level Programs	<u>14</u>

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	<u>24</u>
Dollar value of applied research projects	<u>\$1,708,587.00</u>
Number of advanced research projects	<u>0</u>
Dollar value of advanced research projects	<u>\$0.00</u>

UTC Specific Indicators

Research

1. Number of transportation research projects selected.	<u>24</u>
2. Total matching dollar leveraged for research.	<u>\$1,708,587.00</u>
3. Number of faculty members involved in research projects.	<u>9</u>
4. Number of undergraduate students involved in UTC-funded research projects.	<u>2</u>
5. Number of master's degree students involved in UTC-funded research projects.	<u>5</u>
6. Number of doctoral students involved in UTC-funded research projects.	<u>14</u>
7. Number of peer reviewed MPC research reports published.	<u>3</u>
8. Number of peer-reviewed journal articles published by faculty.	<u>1</u>
9. Number of peer-reviewed conference papers published by faculty.	<u>5</u>
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	<u>6</u>

Leadership

1. Number of journal editions published by MPC Universities.	<u>0</u>
2. Number of MPC faculty serving on editorial board of journals.	<u>3</u>
3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, ASCE, ITE, etc.	<u>9</u>
4. Number of awards received by MPC faculty or programs.	<u>2</u>
5. Number of conferences and workshops help or sponsored by MPC Universities.	<u>0</u>
6. Number of unique organizations represented at MPC sponsored conferences and workshops.	<u>0</u>
7. Number of individuals attending MPC conferences and workshops.	<u>0</u>
8. Number of peer-reviewed journal articles and conference papers presented.	<u>3</u>

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	<u>9</u>
Graduate Courses	<u>8</u>
Total	<u>17</u>

2. Number of students participating in transportation research projects funded by this grant.		
	Undergraduate Students	<u>2</u>
	Graduate Students	<u>19</u>
	Total	<u>21</u>
3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.		
	Master's Level Programs	<u>1</u>
	Doctoral Level Programs	<u>1</u>
	Total	<u>2</u>
4. Number of graduate students supported by this grant.		
	Master's Level Student Stipends	<u>5</u>
	Doctoral Level Student Stipends	<u>14</u>
	Total	<u>19</u>
5. Number of student supported by this grant who received degrees.		
	Master's Level Student Stipends	<u>2</u>
	Doctoral Level Student Stipends	<u>1</u>
	Total	<u>3</u>
6. Number of outreach events conducted for K-12 audiences.		<u>0</u>
7. Number of graduate courses (included in measure one) that are offered online.		<u>7</u>

Technology Transfer

1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals.		<u>117</u>
2. Number of transportation professionals participating in those events.		<u>2063</u>
3. Number of annual reports and newsletters published.		<u>0</u>

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.		<u>1</u>
2. Number of projects involving faculty or students from more than one university.		<u>0</u>
3. Number of students participating in MPC graduate student symposia.		<u>0</u>
4. Number of faculty members who hold affiliated faculty status at other MPC universities.		<u>0</u>
5. Number of collaborative research projects involving faculty and students from more than one MPC university.		<u>0</u>
6. Number of collaborative conference or workshops involving several universities, agencies, or LTAP center.		<u>60</u>