



**University Transportation Centers Program Performance Indicators**  
**Mountain-Plains Consortium**  
**University Transportation Center - Region 8**  
**FASTACT 69A3551747108 (MPC-533 – MPC-701)**  
**October 1, 2022 - September 30, 2023**

**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	74
Graduate Courses	75

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

Undergraduate Students	49
Graduate Students	148

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

Master's Level Programs	24
Doctoral Level Programs	29

4. Number of graduate students supported by this grant.

Undergraduate Students	24
Master's Students	59
Doctoral Students	90

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

Undergraduate Students	9
Master's Level Programs	42
Doctoral Level Programs	44

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	\$15,584,200.00
Number of advanced research projects	0
Dollar value of advanced research projects	\$0.00
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.	77
4. Number of undergraduate students involved in UTC-funded research projects.	33
5. Number of master's degree students involved in UTC-funded research projects.	61
6. Number of doctoral students involved in UTC-funded research projects.	83
7. Number of peer reviewed MPC research reports published.	27
8. Number of peer-reviewed journal articles published by faculty.	111
9. Number of peer-reviewed conference papers published by faculty.	44
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	118

### Leadership

1. Number of journal editions published by MPC Universities.	21
2. Number of MPC faculty serving on editorial board of journals.	23
3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, ASCE, ITE, etc.	43
4. Number of awards received by MPC faculty or programs.	11
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.	22
7. Number of individuals attending MPC conferences and workshops.	4,223
8. Number of peer-reviewed journal articles and conference papers presented.	78

### 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	74
Graduate Courses	78
Total	152
2. Number of students participating in transportation research projects funded by this grant.	
Undergraduate Students	53
Graduate Students	143
Total	196
3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.	
Master's Level Programs	20
Doctoral Level Programs	25
Total	45

4. Number of graduate students supported by this grant.	
Master's Level Student Stipends	63
Doctoral Level Student Stipends	75
Total	149
5. Number of student supported by this grant who received degrees.	
Master's Level Student Stipends	25
Doctoral Level Student Stipends	33
Total	58
6. Number of outreach events conducted for K-12 audiences.	1
7. Number of graduate courses (included in measure one) that are offered online.	11

**Technology Transfer**

1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals.	239
2. Number of transportation professionals participating in those events.	3808
3. Number of annual reports and newsletters published.	19

**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.	28
2. Number of projects involving faculty or students from more than one university.	10
3. Number of students participating in MPC graduate student symposia.	1
4. Number of faculty members who hold affiliated faculty status at other MPC universities.	1
5. Number of collaborative research projects involving faculty and students from more than one MPC university.	4
6. Number of collaborative conference or workshops involving several universities, agencies, or LTAP center.	0

**University Transportation Centers Program Performance Indicators**  
**Mountain-Plains Consortium**  
**Colorado State University**  
**FASTACT 69A3551747108 (MPC-533 – MPC-701)**  
**October 1, 2022 - September 30, 2023**

**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	1
Graduate Courses	1

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

Undergraduate Students	19
Graduate Students	23

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

Master's Level Programs	4
Doctoral Level Programs	4

4. Number of graduate students supported by this grant.

Undergraduate Students	0
Master's Students	5
Doctoral Students	18

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

Undergraduate Students	0
Master's Level Programs	3
Doctoral Level Programs	4

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

## UTC Specific Indicators

### Research

1. Number of transportation research projects selected.	28
2. Total matching dollar leveraged for research.	\$1,708,587.00
3. Number of faculty members involved in research projects.	6
4. Number of undergraduate students involved in UTC-funded research projects.	19
5. Number of master's degree students involved in UTC-funded research projects.	5
6. Number of doctoral students involved in UTC-funded research projects.	18
7. Number of peer reviewed MPC research reports published.	2
8. Number of peer-reviewed journal articles published by faculty.	1
9. Number of peer-reviewed conference papers published by faculty.	4
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.	5
3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, ASCE, ITE, etc.	5
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.	5

### 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	3
Graduate Courses	4
Total	7
2. Number of students participating in transportation research projects funded by this grant.	
Undergraduate Students	19
Graduate Students	23
Total	42
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	5
	Doctoral Level Student Stipends	18
	Total	23
5. Number of student supported by this grant who received degrees.		
	Master's Level Student Stipends	2
	Doctoral Level Student Stipends	4
	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.		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.		0

**University Transportation Centers Program Performance Indicators**  
**Mountain-Plains Consortium**  
**North Dakota State University**  
**FASTACT 69A3551747108 (MPC-533 – MPC-701)**  
**October 1, 2022 - September 30, 2023**

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

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

Undergraduate Students	6
Graduate Students	<u>16</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>6</u>
Master's Students	<u>0</u>
Doctoral Students	<u>16</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>6</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	14
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.	14
2. Total matching dollar leveraged for research.	\$4,070,355.00
3. Number of faculty members involved in research projects.	17
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.	5
6. Number of doctoral students involved in UTC-funded research projects.	6
7. Number of peer reviewed MPC research reports published.	6
8. Number of peer-reviewed journal articles published by faculty.	20
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.	20
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.	4
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.	2992
8. Number of peer-reviewed journal articles and conference papers presented.	10

### 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	6
Total	21
2. Number of students participating in transportation research projects funded by this grant.	
Undergraduate Students	6
Graduate Students	16
Total	22
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	6
Doctoral Level Student Stipends	1
Total	18
5. Number of student supported by this grant who received degrees.	
Master's Level Student Stipends	6
Doctoral Level Student Stipends	5
Total	11
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**

1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals.	136
2. Number of transportation professionals participating in those events.	1216
3. Number of annual reports and newsletters published.	15

**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.	9
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, 2022 - September 30, 2023**

**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>8</u>

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

Undergraduate Students	<u>3</u>
Graduate Students	<u>25</u>

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

Master's Level Programs	<u>5</u>
Doctoral Level Programs	<u>4</u>

4. Number of graduate students supported by this grant.

Undergraduate Students	<u>3</u>
Master's Students	<u>18</u>
Doctoral Students	<u>7</u>

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

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

### 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.	5
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.	7

### 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	8
Total	23
2. Number of students participating in transportation research projects funded by this grant.	
Undergraduate Students	3
Graduate Students	25
Total	28
3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.	
Master's Level Programs	5
Doctoral Level Programs	4
Total	9

4. Number of graduate students supported by this grant.		
	Master's Level Student Stipends	18
	Doctoral Level Student Stipends	7
	Total	25
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.		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.		0

**University Transportation Centers Program Performance Indicators**  
**Mountain-Plains Consortium**  
**University of Colorado Denver**  
**FASTACT 69A3551747108 (MPC-533 – MPC-701)**  
**October 1, 2022 - September 30, 2023**

**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>14</u>

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

Undergraduate Students	<u>0</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>0</u>
Master's Level Programs	<u>6</u>
Doctoral Level Programs	<u>12</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.	22
2. Total matching dollar leveraged for research.	\$1,708,587.00
3. Number of faculty members involved in research projects.	9
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.	6
6. Number of doctoral students involved in UTC-funded research projects.	12
7. Number of peer reviewed MPC research reports published.	3
8. Number of peer-reviewed journal articles published by faculty.	33
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.	40

### 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.	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.	20
7. Number of individuals attending MPC conferences and workshops.	0
8. Number of peer-reviewed journal articles and conference papers presented.	17

### 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	14
Total	20
2. Number of students participating in transportation research projects funded by this grant.	
Undergraduate Students	0
Graduate Students	18
Total	18
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	2
	Doctoral Level Student Stipends	4
	Total	6
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.		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.		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.		6
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, 2022 - September 30, 2023**

**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	6
Graduate Courses	21

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

Undergraduate Students	0
Graduate Students	9

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

4. Number of graduate students supported by this grant.

Undergraduate Students	0
Master's Students	3
Doctoral Students	7

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

Undergraduate Students	0
Master's Level Programs	5
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	7
Dollar value of applied research projects	\$1,212,298.00
Number of advanced research projects	0
Dollar value of advanced research projects	\$0.00

## UTC Specific Indicators

### Research

1. Number of transportation research projects selected.	7
2. Total matching dollar leveraged for research.	\$1,212,298.00
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.	7
7. Number of peer reviewed MPC research reports published.	1
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.	0

### 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.	1
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.	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	6
Graduate Courses	21
Total	27
2. Number of students participating in transportation research projects funded by this grant.	
Undergraduate Students	0
Graduate Students	9
Total	9
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	0
	Doctoral Level Student Stipends	3
	Total	3
5. Number of student supported by this grant who received degrees.		
	Master's Level Student Stipends	0
	Doctoral Level Student Stipends	5
	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.		0

**Technology Transfer**

1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals.		4
2. Number of transportation professionals participating in those events.		328
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.		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
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 Utah**  
**FASTACT 69A3551747108 (MPC-533 – MPC-701)**  
**October 1, 2022 - September 30, 2023**

**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	9
Graduate Courses	8

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

Undergraduate Students	3
Graduate Students	18

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

Master's Level Programs	7
Doctoral Level Programs	13

4. Number of graduate students supported by this grant.

Undergraduate Students	1
Master's Students	7
Doctoral Students	11

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

Undergraduate Students	0
Master's Level Programs	3
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	35
Dollar value of applied research projects	\$1,758,612.00
Number of advanced research projects	0
Dollar value of advanced research projects	\$0.00

## UTC Specific Indicators

### Research

1. Number of transportation research projects selected.	35
2. Total matching dollar leveraged for research.	\$1,758,612.00
3. Number of faculty members involved in research projects.	11
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.	7
6. Number of doctoral students involved in UTC-funded research projects.	11
7. Number of peer reviewed MPC research reports published.	7
8. Number of peer-reviewed journal articles published by faculty.	19
9. Number of peer-reviewed conference papers published by faculty.	15
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	32

### Leadership

1. Number of journal editions published by MPC Universities.	1
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.	10
4. Number of awards received by MPC faculty or programs.	4
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.	2
7. Number of individuals attending MPC conferences and workshops.	17
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 by faculty and/or teaching assistants who are associated with the UTC.	
Undergraduate Courses	7
Graduate Courses	8
Total	15
2. Number of students participating in transportation research projects funded by this grant.	
Undergraduate Students	7
Graduate Students	13
Total	20
3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.	
Master's Level Programs	5
Doctoral Level Programs	11
Total	16

4. Number of graduate students supported by this grant.		
	Master's Level Student Stipends	6
	Doctoral Level Student Stipends	11
	Total	17
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.		1

### 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.		200
3. Number of annual reports and newsletters 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.		6
2. Number of projects involving faculty or students from more than one university.		3
3. Number of students participating in MPC graduate student symposia.		1
4. Number of faculty members who hold affiliated faculty status at other MPC universities.		1
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**  
**University of Wyoming**  
**FASTACT 69A3551747108 (MPC-533 – MPC-701)**  
**October 1, 2022 - September 30, 2023**

**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	12
Graduate Courses	8

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

Undergraduate Students	0
Graduate Students	23

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

4. Number of graduate students supported by this grant.

Undergraduate Students	0
Master's Students	8
Doctoral Students	15

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

Undergraduate Students	0
Master's Level Programs	8
Doctoral Level Programs	15

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

## UTC Specific Indicators

### Research

1. Number of transportation research projects selected.	20
2. Total matching dollar leveraged for research.	\$1,708,587.00
3. Number of faculty members involved in research projects.	13
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.	8
6. Number of doctoral students involved in UTC-funded research projects.	15
7. Number of peer reviewed MPC research reports published.	4
8. Number of peer-reviewed journal articles published by faculty.	21
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.	15

### 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.	1214
8. Number of peer-reviewed journal articles and conference papers presented.	15

### 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	12
Graduate Courses	8
Total	20
2. Number of students participating in transportation research projects funded by this grant.	
Undergraduate Students	0
Graduate Students	23
Total	23
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	8
	Doctoral Level Student Stipends	15
	Total	23
5. Number of student supported by this grant who received degrees.		
	Master's Level Student Stipends	2
	Doctoral Level Student Stipends	6
	Total	8
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.		45
2. Number of transportation professionals participating in those events.		1235
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.		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**  
**Utah State University**  
**FASTACT 69A3551747108 (MPC-533 – MPC-701)**  
**October 1, 2022 - September 30, 2023**

**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	10
Graduate Courses	9

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

Undergraduate Students	18
Graduate Students	16

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

4. Number of graduate students supported by this grant.

Undergraduate Students	10
Master's Students	9
Doctoral Students	7

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

Undergraduate Students	6
Master's Level Programs	7
Doctoral Level Programs	3

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

## UTC Specific Indicators

### Research

1. Number of transportation research projects selected.	24
2. Total matching dollar leveraged for research.	\$1,708,587.00
3. Number of faculty members involved in research projects.	12
4. Number of undergraduate students involved in UTC-funded research projects.	10
5. Number of master's degree students involved in UTC-funded research projects.	9
6. Number of doctoral students involved in UTC-funded research projects.	7
7. Number of peer reviewed MPC research reports published.	3
8. Number of peer-reviewed journal articles published by faculty.	7
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.	8

### Leadership

1. Number of journal editions published by MPC Universities.	0
2. Number of MPC faculty serving on editorial board of journals.	3
3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, ASCE, ITE, etc.	7
4. Number of awards received by MPC faculty or programs.	3
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.	1

### 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	10
Graduate Courses	9
Total	19
2. Number of students participating in transportation research projects funded by this grant.	
Undergraduate Students	18
Graduate Students	16
Total	34
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	18
	Doctoral Level Student Stipends	16
	Total	34
5. Number of student supported by this grant who received degrees.		
	Master's Level Student Stipends	7
	Doctoral Level Student Stipends	3
	Total	10
6. Number of outreach events conducted for K-12 audiences.		1
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.		51
2. Number of transportation professionals participating in those events.		829
3. Number of annual reports and newsletters 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.		5
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.		0
6. Number of collaborative conference or workshops involving several universities, agencies, or LTAP center.		0