



**University Transportation Centers Program Performance Indicators**  
**Center for Transformative Infrastructure Preservation and Sustainability (CTIPS)**  
**University Transportation Center - Region 8**  
**Grant 69A3552348308 (CTIPS-001 – CTIPS-037)**  
**December 1, 2023 - September 30, 2024**

**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	56
Graduate Courses	74

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

Undergraduate Students	25
Graduate Students	113

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

Master's Level Programs	22
Doctoral Level Programs	34

4. Number of graduate students supported by this grant.

Undergraduate Students	15
Master's Students	35
Doctoral Students	61

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

Undergraduate Students	8
Master's Level Programs	26
Doctoral Level Programs	24

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	37	
Dollar value of applied research projects		\$5,947,770.00
Number of advanced research projects	0	
Dollar value of advanced research projects		0
Total Research Projects	37	
Total Dollar Value of Research Projects		\$5,947,770.00

**UTC Specific Indicators**

**Research**

1. Number of faculty members involved in UTC-funded projects.	71
2. Number of graduate students involved in UTC-funded projects.	143
3. Number of peer-reviewed journal articles published by faculty.	135
4. Number of peer-reviewed conference papers published by faculty.	48

**Leadership**

1. Number of CTIPS faculty members serving on committees (or as friends of committees) for national organizations.	41
2. Number of training, technology transfer, and development events targeted primarily at underrepresented minorities.	0
3. Number of conferences and workshops that CTIPS members, jointly, or collaboratively planned and delivered.	7

**Education and Workforce Development**

1. Number of outreach events conducted with a focus on women or underrepresented audiences.	0
2. Number of graduate students funded and meaningfully involved in CTIPS programs.	142
3. Number of faculty members participating in CTIPS education and workforce development programs.	50
4. Number of outreach events conducted for K-12 audiences.	20

**Technology Transfer**

1. Number of transportation seminars, webinars, and distance learning classes, etc. conducted by transportation professionals.	644
2. Number of transportation professionals participating in these events.	12246
3. Number of Tribal persons and Tribes participating in these events.	5
4. The number of project briefs, annual reports, and newsletters published.	13

**University Transportation Centers Program Performance Indicators**  
**Center for Transformative Infrastructure Preservation and Sustainability (CTIPS)**  
**Colorado State University**  
**Grant 69A3552348308 (CTIPS-001 – CTIPS-037)**  
**December 1, 2023 - September 30, 2024**

**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>8</u>
Graduate Courses	<u>6</u>

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

Undergraduate Students	<u>6</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>4</u>
Doctoral Students	<u>5</u>

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

Undergraduate Students	<u>2</u>
Master's Level Programs	<u>1</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	7	
Dollar value of applied research projects		\$305,665.00
Number of advanced research projects	0	
Dollar value of advanced research projects		<u>\$0.00</u>
Total Research Projects	<u>7</u>	
Total Dollar Value of Research Projects		\$305,665.00

**UTC Specific Indicators**

**Research**

1. Number of faculty members involved in UTC-funded projects.	<u>18</u>
2. Number of graduate students involved in UTC-funded projects.	<u>33</u>
3. Number of peer-reviewed journal articles published by faculty.	<u>35</u>
4. Number of peer-reviewed conference papers published by faculty.	<u>15</u>

**Leadership**

1. Number of CTIPS faculty members serving on committees (or as friends of committees) for national organizations.	<u>7</u>
2. Number of training, technology transfer, and development events targeted primarily at underrepresented minorities.	<u>0</u>
3. Number of conferences and workshops that CTIPS members, jointly, or collaboratively planned and delivered.	<u>0</u>

**Education and Workforce Development**

1. Number of outreach events conducted with a focus on women or underrepresented audiences.	0
2. Number of graduate students funded and meaningfully involved in CTIPS programs.	33
3. Number of faculty members participating in CTIPS education and workforce development programs.	18
4. Number of outreach events conducted for K-12 audiences.	0

**Technology Transfer**

1. Number of transportation seminars, webinars, and distance learning classes, etc. conducted by transportation professionals.	1
2. Number of transportation professionals participating in these events.	40
3. Number of Tribal persons and Tribes participating in these events.	0
4. The number of project briefs, annual reports, and newsletters published.	1
5. Number of research finding videos posted on platforms such as YouTube.	0

**University Transportation Centers Program Performance Indicators**  
**Center for Transformative Infrastructure Preservation and Sustainability (CTIPS)**  
**Fort Lewis College**  
**Grant 69A3552348308 (CTIPS-001 – CTIPS-037)**  
**December 1, 2023 - September 30, 2024**

**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>0</u>
Graduate Courses	<u>0</u>

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

Undergraduate Students	<u>2</u>
Graduate Students	<u>0</u>

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

Master's Level Programs	<u>0</u>
Doctoral Level Programs	<u>0</u>

4. Number of graduate students supported by this grant.

Undergraduate Students	<u>2</u>
Master's Students	<u>0</u>
Doctoral Students	<u>0</u>

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

Undergraduate Students	<u>0</u>
Master's Level Programs	<u>0</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	1	
Dollar value of applied research projects		\$24,966.00
Number of advanced research projects	0	
Dollar value of advanced research projects		<u>\$0.00</u>
Total Research Projects	1	
Total Dollar Value of Research Projects		\$24,966.00

**UTC Specific Indicators**

**Research**

1. Number of faculty members involved in UTC-funded projects.	<u>1</u>
2. Number of graduate students involved in UTC-funded projects.	<u>2</u>
3. Number of peer-reviewed journal articles published by faculty.	<u>0</u>
4. Number of peer-reviewed conference papers published by faculty.	<u>0</u>

**Leadership**

1. Number of CTIPS faculty members serving on committees (or as friends of committees) for national organizations.	<u>0</u>
2. Number of training, technology transfer, and development events targeted primarily at underrepresented minorities.	<u>0</u>
3. Number of conferences and workshops that CTIPS members, jointly, or collaboratively planned and delivered.	<u>0</u>

**Education and Workforce Development**

1. Number of outreach events conducted with a focus on women or underrepresented audiences.	0
2. Number of graduate students funded and meaningfully involved in CTIPS programs.	2
3. Number of faculty members participating in CTIPS education and workforce development programs.	1
4. Number of outreach events conducted for K-12 audiences.	1

**Technology Transfer**

1. Number of transportation seminars, webinars, and distance learning classes, etc. conducted by transportation professionals.	0
2. Number of transportation professionals participating in these events.	0
3. Number of Tribal persons and Tribes participating in these events.	0
4. The number of project briefs, annual reports, and newsletters published.	0
5. Number of research finding videos posted on platforms such as YouTube.	0

**University Transportation Centers Program Performance Indicators  
Center for Transformative Infrastructure Preservation and Sustainability (CTIPS)  
North Dakota State University  
Grant 69A3552348308 (CTIPS-001 – CTIPS-037)  
December 1, 2023 - September 30, 2024**

**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	0
Graduate Courses	10

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

Undergraduate Students	0
Graduate Students	20

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	0
Doctoral Students	20

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

Undergraduate Students	0
Master's Level Programs	4
Doctoral Level Programs	8

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	2	
Dollar value of applied research projects		\$3,114,878.00
Number of advanced research projects	0	
Dollar value of advanced research projects		\$0.00
Total Research Projects	2	
Total Dollar Value of Research Projects		\$3,114,878.00

**UTC Specific Indicators**

**Research**

1. Number of faculty members involved in UTC-funded projects.	5
2. Number of graduate students involved in UTC-funded projects.	20
3. Number of peer-reviewed journal articles published by faculty.	4
4. Number of peer-reviewed conference papers published by faculty.	6

**Leadership**

1. Number of CTIPS faculty members serving on committees (or as friends of committees) for national organizations.	4
2. Number of training, technology transfer, and development events targeted primarily at underrepresented minorities.	0
3. Number of conferences and workshops that CTIPS members, jointly, or collaboratively planned and delivered.	0



**Education and Workforce Development**

1. Number of outreach events conducted with a focus on women or underrepresented audiences.	0
2. Number of graduate students funded and meaningfully involved in CTIPS programs.	20
3. Number of faculty members participating in CTIPS education and workforce development programs.	5
4. Number of outreach events conducted for K-12 audiences.	0

**Technology Transfer**

1. Number of transportation seminars, webinars, and distance learning classes, etc. conducted by transportation professionals.	448
2. Number of transportation professionals participating in these events.	8703
3. Number of Tribal persons and Tribes participating in these events.	5
4. The number of project briefs, annual reports, and newsletters published.	1
5. Number of research finding videos posted on platforms such as YouTube.	0

**University Transportation Centers Program Performance Indicators  
Center for Transformative Infrastructure Preservation and Sustainability (CTIPS)  
South Dakota State University  
Grant 69A3552348308 (CTIPS-001 – CTIPS-037)  
December 1, 2023 - September 30, 2024**

**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	12

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

Undergraduate Students	1
Graduate Students	14

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

Master's Level Programs	5
Doctoral Level Programs	5

4. Number of graduate students supported by this grant.

Undergraduate Students	0
Master's Students	8
Doctoral Students	2

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

Undergraduate Students	0
Master's Level Programs	7
Doctoral Level Programs	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	2	
Dollar value of applied research projects		\$305,665.00
Number of advanced research projects	0	
Dollar value of advanced research projects		\$0.00
Total Research Projects	2	
Total Dollar Value of Research Projects		\$305,650.00

**UTC Specific Indicators**

**Research**

1. Number of faculty members involved in UTC-funded projects.	6
2. Number of graduate students involved in UTC-funded projects.	12
3. Number of peer-reviewed journal articles published by faculty.	41
4. Number of peer-reviewed conference papers published by faculty.	4

**Leadership**

1. Number of CTIPS faculty members serving on committees (or as friends of committees) for national organizations.	5
2. Number of training, technology transfer, and development events targeted primarily at underrepresented minorities.	0
3. Number of conferences and workshops that CTIPS members, jointly, or collaboratively planned and delivered.	5

**Education and Workforce Development**

1. Number of outreach events conducted with a focus on women or underrepresented audiences.	0
2. Number of graduate students funded and meaningfully involved in CTIPS programs.	14
3. Number of faculty members participating in CTIPS education and workforce development programs.	6
4. Number of outreach events conducted for K-12 audiences.	4

**Technology Transfer**

1. Number of transportation seminars, webinars, and distance learning classes, etc. conducted by transportation professionals.	1
2. Number of transportation professionals participating in these events.	20
3. Number of Tribal persons and Tribes participating in these events.	0
4. The number of project briefs, annual reports, and newsletters published.	1
5. Number of research finding videos posted on platforms such as YouTube.	0

**University Transportation Centers Program Performance Indicators**  
**Center for Transformative Infrastructure Preservation and Sustainability (CTIPS)**  
**United Tribes Technology College**  
**Grant 69A3552348308 (CTIPS-001 – CTIPS-037)**  
**December 1, 2023 - September 30, 2024**

**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	3
Graduate Courses	0

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

Undergraduate Students	0
Graduate Students	0

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

Master's Level Programs	0
Doctoral Level Programs	0

4. Number of graduate students supported by this grant.

Undergraduate Students	0
Master's Students	0
Doctoral Students	0

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

Undergraduate Students	0
Master's Level Programs	0
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	1	
Dollar value of applied research projects		\$100,000.00
Number of advanced research projects	0	
Dollar value of advanced research projects		\$0.00
Total Research Projects	1	
Total Dollar Value of Research Projects		\$100,000.00

**UTC Specific Indicators**

**Research**

1. Number of faculty members involved in UTC-funded projects.	6
2. Number of graduate students involved in UTC-funded projects.	0
3. Number of peer-reviewed journal articles published by faculty.	0
4. Number of peer-reviewed conference papers published by faculty.	0

**Leadership**

1. Number of CTIPS faculty members serving on committees (or as friends of committees) for national organizations.	0
2. Number of training, technology transfer, and development events targeted primarily at underrepresented minorities.	0
3. Number of conferences and workshops that CTIPS members, jointly, or collaboratively planned and delivered.	0

**Education and Workforce Development**

1. Number of outreach events conducted with a focus on women or underrepresented audiences.	0
2. Number of graduate students funded and meaningfully involved in CTIPS programs.	0
3. Number of faculty members participating in CTIPS education and workforce development programs.	0
4. Number of outreach events conducted for K-12 audiences.	0

**Technology Transfer**

1. Number of transportation seminars, webinars, and distance learning classes, etc. conducted by transportation professionals.	0
2. Number of transportation professionals participating in these events.	0
3. Number of Tribal persons and Tribes participating in these events.	0
4. The number of project briefs, annual reports, and newsletters published.	0
5. Number of research finding videos posted on platforms such as YouTube.	0

**University Transportation Centers Program Performance Indicators**  
**Center for Transformative Infrastructure Preservation and Sustainability (CTIPS)**  
**University of Colorado Denver**  
**Grant 69A3552348308 (CTIPS-001 – CTIPS-037)**  
**December 1, 2023 - September 30, 2024**

**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>0</u>
Master's Students	<u>6</u>
Doctoral Students	<u>12</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>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	4	
Dollar value of applied research projects		\$305,665.00
Number of advanced research projects	0	
Dollar value of advanced research projects		<u>\$0.00</u>
Total Research Projects	4	
Total Dollar Value of Research Projects		\$305,665.00

**UTC Specific Indicators**

**Research**

1. Number of faculty members involved in UTC-funded projects.	<u>6</u>
2. Number of graduate students involved in UTC-funded projects.	<u>18</u>
3. Number of peer-reviewed journal articles published by faculty.	<u>25</u>
4. Number of peer-reviewed conference papers published by faculty.	<u>6</u>

**Leadership**

1. Number of CTIPS faculty members serving on committees (or as friends of committees) for national organizations.	<u>6</u>
2. Number of training, technology transfer, and development events targeted primarily at underrepresented minorities.	<u>0</u>
3. Number of conferences and workshops that CTIPS members, jointly, or collaboratively planned and delivered.	<u>0</u>

**Education and Workforce Development**

1. Number of outreach events conducted with a focus on women or underrepresented audiences.	0
2. Number of graduate students funded and meaningfully involved in CTIPS programs.	18
3. Number of faculty members participating in CTIPS education and workforce development programs.	6
4. Number of outreach events conducted for K-12 audiences.	0

**Technology Transfer**

1. Number of transportation seminars, webinars, and distance learning classes, etc. conducted by transportation professionals.	2
2. Number of transportation professionals participating in these events.	100
3. Number of Tribal persons and Tribes participating in these events.	0
4. The number of project briefs, annual reports, and newsletters published.	1
5. Number of research finding videos posted on platforms such as YouTube.	0

**University Transportation Centers Program Performance Indicators  
Center for Transformative Infrastructure Preservation and Sustainability (CTIPS)  
University of Denver  
Grant 69A3552348308 (CTIPS-001 – CTIPS-037)  
December 1, 2023 - September 30, 2024**

**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>12</u>

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

Undergraduate Students	<u>0</u>
Graduate Students	<u>1</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>0</u>
Doctoral Students	<u>1</u>

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

Undergraduate Students	<u>0</u>
Master's Level Programs	<u>0</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	1	
Dollar value of applied research projects		\$98,196.00
Number of advanced research projects	0	
Dollar value of advanced research projects		<u>\$0.00</u>
Total Research Projects	1	
Total Dollar Value of Research Projects		\$98,196.00

**UTC Specific Indicators**

**Research**

1. Number of faculty members involved in UTC-funded projects.	<u>2</u>
2. Number of graduate students involved in UTC-funded projects.	<u>2</u>
3. Number of peer-reviewed journal articles published by faculty.	<u>1</u>
4. Number of peer-reviewed conference papers published by faculty.	<u>0</u>

**Leadership**

1. Number of CTIPS faculty members serving on committees (or as friends of committees) for national organizations.	<u>1</u>
2. Number of training, technology transfer, and development events targeted primarily at underrepresented minorities.	<u>0</u>
3. Number of conferences and workshops that CTIPS members, jointly, or collaboratively planned and delivered.	<u>0</u>



**Education and Workforce Development**

1. Number of outreach events conducted with a focus on women or underrepresented audiences.	0
2. Number of graduate students funded and meaningfully involved in CTIPS programs.	2
3. Number of faculty members participating in CTIPS education and workforce development programs.	2
4. Number of outreach events conducted for K-12 audiences.	0

**Technology Transfer**

1. Number of transportation seminars, webinars, and distance learning classes, etc. conducted by transportation professionals.	6
2. Number of transportation professionals participating in these events.	75
3. Number of Tribal persons and Tribes participating in these events.	0
4. The number of project briefs, annual reports, and newsletters published.	0
5. Number of research finding videos posted on platforms such as YouTube.	0

**University Transportation Centers Program Performance Indicators**  
**Center for Transformative Infrastructure Preservation and Sustainability (CTIPS)**  
**University of North Dakota**  
**Grant 69A3552348308 (CTIPS-001 – CTIPS-037)**  
**December 1, 2023 - September 30, 2024**

**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	0
Graduate Courses	0

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

Undergraduate Students	0
Graduate Students	3

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

Master's Level Programs	0
Doctoral Level Programs	0

4. Number of graduate students supported by this grant.

Undergraduate Students	0
Master's Students	2
Doctoral Students	1

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

Undergraduate Students	0
Master's Level Programs	0
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	2	
Dollar value of applied research projects		\$175,000.00
Number of advanced research projects	0	
Dollar value of advanced research projects		\$0.00
Total Research Projects	2	
Total Dollar Value of Research Projects		\$175,000.00

**UTC Specific Indicators**

**Research**

1. Number of faculty members involved in UTC-funded projects.	3
2. Number of graduate students involved in UTC-funded projects.	3
3. Number of peer-reviewed journal articles published by faculty.	0
4. Number of peer-reviewed conference papers published by faculty.	0

**Leadership**

1. Number of CTIPS faculty members serving on committees (or as friends of committees) for national organizations.	0
2. Number of training, technology transfer, and development events targeted primarily at underrepresented minorities.	0
3. Number of conferences and workshops that CTIPS members, jointly, or collaboratively planned and delivered.	0

**Education and Workforce Development**

1. Number of outreach events conducted with a focus on women or underrepresented audiences.	0
2. Number of graduate students funded and meaningfully involved in CTIPS programs.	0
3. Number of faculty members participating in CTIPS education and workforce development programs.	0
4. Number of outreach events conducted for K-12 audiences.	1

**Technology Transfer**

1. Number of transportation seminars, webinars, and distance learning classes, etc. conducted by transportation professionals.	0
2. Number of transportation professionals participating in these events.	0
3. Number of Tribal persons and Tribes participating in these events.	0
4. The number of project briefs, annual reports, and newsletters published.	0
5. Number of research finding videos posted on platforms such as YouTube.	0

**University Transportation Centers Program Performance Indicators**  
**Center for Transformative Infrastructure Preservation and Sustainability (CTIPS)**  
**University of Utah**  
**Grant 69A3552348308 (CTIPS-001 – CTIPS-037)**  
**December 1, 2023 - September 30, 2024**

**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>6</u>

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

Undergraduate Students	<u>4</u>
Graduate Students	<u>17</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>16</u>

4. Number of graduate students supported by this grant.

Undergraduate Students	<u>2</u>
Master's Students	<u>7</u>
Doctoral Students	<u>13</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>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	8	
Dollar value of applied research projects		\$606,035.00
Number of advanced research projects	0	
Dollar value of advanced research projects		<u>\$0.00</u>
Total Research Projects	<u>8</u>	
Total Dollar Value of Research Projects		<u>\$606,035.00</u>

**UTC Specific Indicators**

**Research**

1. Number of faculty members involved in UTC-funded projects.	<u>12</u>
2. Number of graduate students involved in UTC-funded projects.	<u>26</u>
3. Number of peer-reviewed journal articles published by faculty.	<u>18</u>
4. Number of peer-reviewed conference papers published by faculty.	<u>14</u>

**Leadership**

1. Number of CTIPS faculty members serving on committees (or as friends of committees) for national organizations.	<u>7</u>
2. Number of training, technology transfer, and development events targeted primarily at underrepresented minorities.	<u>0</u>
3. Number of conferences and workshops that CTIPS members, jointly, or collaboratively planned and delivered.	<u>2</u>

**Education and Workforce Development**

1. Number of outreach events conducted with a focus on women or underrepresented audiences.	0
2. Number of graduate students funded and meaningfully involved in CTIPS programs.	26
3. Number of faculty members participating in CTIPS education and workforce development programs.	0
4. Number of outreach events conducted for K-12 audiences.	12

**Technology Transfer**

1. Number of transportation seminars, webinars, and distance learning classes, etc. conducted by transportation professionals.	6
2. Number of transportation professionals participating in these events.	105
3. Number of Tribal persons and Tribes participating in these events.	0
4. The number of project briefs, annual reports, and newsletters published.	7
5. Number of research finding videos posted on platforms such as YouTube.	0

**University Transportation Centers Program Performance Indicators  
Center for Transformative Infrastructure Preservation and Sustainability (CTIPS)  
University of Wyoming  
Grant 69A3552348308 (CTIPS-001 – CTIPS-037)  
December 1, 2023 - September 30, 2024**

**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>6</u>

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

Undergraduate Students	<u>0</u>
Graduate Students	<u>6</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>3</u>
Doctoral Students	<u>0</u>

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

Undergraduate Students	<u>0</u>
Master's Level Programs	<u>1</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	6	
Dollar value of applied research projects		\$606,035.00
Number of advanced research projects	0	
Dollar value of advanced research projects		<u>\$0.00</u>
Total Research Projects	6	
Total Dollar Value of Research Projects		\$606,035.00

**UTC Specific Indicators**

**Research**

1. Number of faculty members involved in UTC-funded projects.	<u>4</u>
2. Number of graduate students involved in UTC-funded projects.	<u>6</u>
3. Number of peer-reviewed journal articles published by faculty.	<u>9</u>
4. Number of peer-reviewed conference papers published by faculty.	<u>1</u>

**Leadership**

1. Number of CTIPS faculty members serving on committees (or as friends of committees) for national organizations.	<u>3</u>
2. Number of training, technology transfer, and development events targeted primarily at underrepresented minorities.	<u>0</u>
3. Number of conferences and workshops that CTIPS members, jointly, or collaboratively planned and delivered.	<u>0</u>

**Education and Workforce Development**

1. Number of outreach events conducted with a focus on women or underrepresented audiences.	0
2. Number of graduate students funded and meaningfully involved in CTIPS programs.	6
3. Number of faculty members participating in CTIPS education and workforce development programs.	4
4. Number of outreach events conducted for K-12 audiences.	0

**Technology Transfer**

1. Number of transportation seminars, webinars, and distance learning classes, etc. conducted by transportation professionals.	29
2. Number of transportation professionals participating in these events.	1008
3. Number of Tribal persons and Tribes participating in these events.	0
4. The number of project briefs, annual reports, and newsletters published.	1
5. Number of research finding videos posted on platforms such as YouTube.	0

**University Transportation Centers Program Performance Indicators**  
**Center for Transformative Infrastructure Preservation and Sustainability (CTIPS)**  
**Utah State University**  
**Grant 69A3552348308 (CTIPS-001 – CTIPS-037)**  
**December 1, 2023 - September 30, 2024**

**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>12</u>
Graduate Students	<u>12</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>9</u>
Master's Students	<u>5</u>
Doctoral Students	<u>7</u>

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

Undergraduate Students	<u>6</u>
Master's Level Programs	<u>4</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	3	
Dollar value of applied research projects		\$305,665.00
Number of advanced research projects	0	
Dollar value of advanced research projects		<u>\$0.00</u>
Total Research Projects	<u>3</u>	
Total Dollar Value of Research Projects		\$305,665.00

**UTC Specific Indicators**

**Research**

1. Number of faculty members involved in UTC-funded projects.	<u>8</u>
2. Number of graduate students involved in UTC-funded projects.	<u>21</u>
3. Number of peer-reviewed journal articles published by faculty.	<u>2</u>
4. Number of peer-reviewed conference papers published by faculty.	<u>2</u>

**Leadership**

1. Number of CTIPS faculty members serving on committees (or as friends of committees) for national organizations.	<u>8</u>
2. Number of training, technology transfer, and development events targeted primarily at underrepresented minorities.	<u>0</u>
3. Number of conferences and workshops that CTIPS members, jointly, or collaboratively planned and delivered.	<u>0</u>



**Education and Workforce Development**

1. Number of outreach events conducted with a focus on women or underrepresented audiences.	0
2. Number of graduate students funded and meaningfully involved in CTIPS programs.	21
3. Number of faculty members participating in CTIPS education and workforce development programs.	8
4. Number of outreach events conducted for K-12 audiences.	2

**Technology Transfer**

1. Number of transportation seminars, webinars, and distance learning classes, etc. conducted by transportation professionals.	151
2. Number of transportation professionals participating in these events.	2195
3. Number of Tribal persons and Tribes participating in these events.	0
4. The number of project briefs, annual reports, and newsletters published.	1
5. Number of research finding videos posted on platforms such as YouTube.	0