

**University Transportation Centers Program Performance Indicators
Mountain-Plains Consortium
University Transportation Center - Region 8
FASTACT 69A3551747108 (MPC-533 – MPC-701)
October 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 | 55 |
| Graduate Courses | 74 |

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

| | |
|------------------------|-----|
| Undergraduate Students | 23 |
| Graduate Students | 110 |

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 | 13 |
| Master's Students | 33 |
| Doctoral Students | 63 |

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 | 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. | 61 |
| 4. Number of undergraduate students involved in UTC-funded research projects. | 17 |
| 5. Number of master's degree students involved in UTC-funded research projects. | 52 |
| 6. Number of doctoral students involved in UTC-funded research projects. | 75 |
| 7. Number of peer reviewed MPC research reports published. | 41 |
| 8. Number of peer-reviewed journal articles published by faculty. | 101 |
| 9. Number of peer-reviewed conference papers published by faculty. | 48 |
| 10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students. | 133 |

Leadership

| | |
|------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 1. Number of journal editions published by MPC Universities. | 3 |
| 2. Number of MPC faculty serving on editorial board of journals. | 25 |
| 3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, ASCE, ITE, etc. | 41 |
| 4. Number of awards received by MPC faculty or programs. | 23 |
| 5. Number of conferences and workshops help or sponsored by MPC Universities. | 11 |
| 6. Number of unique organizations represented at MPC sponsored conferences and workshops. | 0 |
| 7. Number of individuals attending MPC conferences and workshops. | 231 |
| 8. Number of peer-reviewed journal articles and conference papers presented. | 104 |

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 | 46 |
| Graduate Courses | 63 |
| Total | 90 |
| 2. Number of students participating in transportation research projects funded by this grant. | |
| Undergraduate Students | 16 |
| Graduate Students | 122 |
| Total | 138 |
| 3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students. | |
| Master's Level Programs | 20 |
| Doctoral Level Programs | 26 |
| Total | 46 |
| 4. Number of graduate students supported by this grant. | |
| Master's Level Student Stipends | 33 |
| Doctoral Level Student Stipends | 70 |
| Total | 103 |
| 5. Number of student supported by this grant who received degrees. | |
| Master's Level Student Stipends | 21 |
| Doctoral Level Student Stipends | 31 |
| Total | 52 |
| 6. Number of outreach events conducted for K-12 audiences. | 17 |
| 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. | 644 |
| 2. Number of transportation professionals participating in those events. | 12246 |
| 3. Number of annual reports and newsletters published. | 28 |

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. | 14 |
| 3. Number of students participating in MPC graduate student symposia. | 7 |
| 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. | 8 |
| 6. Number of collaborative conference or workshops involving several universities, agencies, or LTAP center. | 5 |

**University Transportation Centers Program Performance Indicators
Mountain-Plains Consortium
Colorado State University
FASTACT 69A3551747108 (MPC-533 – MPC-701)
October 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 | <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>18</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>22</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>2</u> |
| 8. Number of peer-reviewed journal articles published by faculty. | <u>35</u> |
| 9. Number of peer-reviewed conference papers published by faculty. | <u>15</u> |
| 10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students. | <u>56</u> |

Leadership

| | |
|------------------------------------------------------------------------------------------------------------------------------------------|----|
| 1. Number of journal editions published by MPC Universities. | 0 |
| 2. Number of MPC faculty serving on editorial board of journals. | 7 |
| 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. | 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. | 0 |
| 7. Number of individuals attending MPC conferences and workshops. | 0 |
| 8. Number of peer-reviewed journal articles and conference papers presented. | 44 |

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 | 8 |
| Graduate Courses | 6 |
| Total | 14 |
| 2. Number of students participating in transportation research projects funded by this grant. | |
| Undergraduate Students | 6 |
| Graduate Students | 22 |
| Total | 28 |
| 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 |
| Total | 8 |
| 4. Number of graduate students supported by this grant. | |
| Master's Level Student Stipends | 4 |
| Doctoral Level Student Stipends | 5 |
| Total | 9 |
| 5. Number of student supported by this grant who received degrees. | |
| Master's Level Student Stipends | 1 |
| Doctoral Level Student Stipends | 3 |
| Total | 4 |
| 6. Number of outreach events conducted for K-12 audiences. | 8 |
| 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. | 1 |
| 2. Number of transportation professionals participating in those events. | 40 |
| 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. | 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. | 2 |
| 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, 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 | 14 |
| Dollar value of applied research projects | \$4,070,355.00 |
| 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. | 14 |
| 2. Total matching dollar leveraged for research. | \$4,070,355.00 |
| 3. Number of faculty members involved in research projects. | 5 |
| 4. Number of undergraduate students involved in UTC-funded research projects. | 0 |
| 5. Number of master's degree students involved in UTC-funded research projects. | 0 |
| 6. Number of doctoral students involved in UTC-funded research projects. | 20 |
| 7. Number of peer reviewed MPC research reports published. | 5 |
| 8. Number of peer-reviewed journal articles published by faculty. | 4 |
| 9. Number of peer-reviewed conference papers published by faculty. | 6 |
| 10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students. | 10 |

Leadership

| | |
|------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 1. Number of journal editions published by MPC Universities. | 0 |
| 2. Number of MPC faculty serving on editorial board of journals. | 0 |
| 3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, ASCE, ITE, etc. | 4 |
| 4. Number of awards received by MPC faculty or programs. | 0 |
| 5. Number of conferences and workshops help or sponsored by MPC Universities. | 1 |
| 6. Number of unique organizations represented at MPC sponsored conferences and workshops. | 0 |
| 7. Number of individuals attending MPC conferences and workshops. | 150 |
| 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 | 0 |
| Graduate Courses | 10 |
| Total | 10 |
| 2. Number of students participating in transportation research projects funded by this grant. | |
| Undergraduate Students | 0 |
| Graduate Students | 20 |
| Total | 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 |
| Total | 2 |
| 4. Number of graduate students supported by this grant. | |
| Master's Level Student Stipends | 0 |
| Doctoral Level Student Stipends | 20 |
| Total | 20 |
| 5. Number of student supported by this grant who received degrees. | |
| Master's Level Student Stipends | 4 |
| Doctoral Level Student Stipends | 8 |
| Total | 12 |
| 6. Number of outreach events conducted for K-12 audiences. | 0 |
| 7. Number of graduate courses (included in measure one) that are offered online. | 10 |

Technology Transfer

| | |
|----------------------------------------------------------------------------------------------------------------------------|------|
| 1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals. | 448 |
| 2. Number of transportation professionals participating in those events. | 8703 |
| 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. | 6 |
| 2. Number of projects involving faculty or students from more than one university. | 1 |
| 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. | 1 |

**University Transportation Centers Program Performance Indicators
Mountain-Plains Consortium
South Dakota State University
FASTACT 69A3551747108 (MPC-533 – MPC-701)
October 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 | 18 |
| 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. | 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. | 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. | 4 |
| 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. | 4 |
| 10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students. | 9 |

Leadership

| | |
|------------------------------------------------------------------------------------------------------------------------------------------|---|
| 1. Number of journal editions published by MPC Universities. | 2 |
| 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. | 5 |
| 4. Number of awards received by MPC faculty or programs. | 6 |
| 5. Number of conferences and workshops help or sponsored by MPC Universities. | 5 |
| 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. | 9 |

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 | 9 |
| Graduate Courses | 10 |
| Total | 0 |
| 2. Number of students participating in transportation research projects funded by this grant. | |
| Undergraduate Students | 0 |
| Graduate Students | 14 |
| Total | 14 |
| 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 | 7 |
| Doctoral Level Student Stipends | 3 |
| Total | 10 |
| 5. Number of student supported by this grant who received degrees. | |
| Master's Level Student Stipends | 1 |
| Doctoral Level Student Stipends | 7 |
| Total | 8 |
| 6. Number of outreach events conducted for K-12 audiences. | 4 |
| 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. | 1 |
| 2. Number of transportation professionals participating in those events. | 20 |
| 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. | 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. | 2 |

University Transportation Centers Program Performance Indicators
Mountain-Plains Consortium
University of Colorado Denver
FASTACT 69A3551747108 (MPC-533 – MPC-701)
October 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 | 6 |
| Graduate Courses | 14 |

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

| | |
|------------------------|----|
| Undergraduate Students | 0 |
| Graduate Students | 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 |

4. Number of graduate students supported by this grant.

| | |
|------------------------|----|
| Undergraduate Students | 0 |
| Master's Students | 6 |
| Doctoral Students | 12 |

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

| | |
|-------------------------|---|
| Undergraduate Students | 0 |
| Master's Level Programs | 6 |
| 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 | 22 |
| 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. | 22 |
| 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. | 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. | 9 |
| 8. Number of peer-reviewed journal articles published by faculty. | 25 |
| 9. Number of peer-reviewed conference papers published by faculty. | 6 |
| 10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students. | 26 |

Leadership

| | |
|------------------------------------------------------------------------------------------------------------------------------------------|----|
| 1. Number of journal editions published by MPC Universities. | 0 |
| 2. Number of MPC faculty serving on editorial board of journals. | 3 |
| 3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, ASCE, ITE, etc. | 6 |
| 4. Number of awards received by MPC faculty or programs. | 1 |
| 5. Number of conferences and workshops help or sponsored by MPC Universities. | 0 |
| 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. | 13 |

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 | 6 |
| Doctoral Level Student Stipends | 12 |
| Total | 18 |
| 5. Number of student supported by this grant who received degrees. | |
| Master's Level Student Stipends | 6 |
| Doctoral Level Student Stipends | 2 |
| 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. | 1 |

Technology Transfer

| | |
|----------------------------------------------------------------------------------------------------------------------------|-----|
| 1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals. | 2 |
| 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. | 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, 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 | 6 |
| Graduate Courses | 12 |

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

| | |
|------------------------|---|
| Undergraduate Students | 0 |
| Graduate Students | 1 |

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 | 1 |

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

| | |
|-------------------------|---|
| Undergraduate Students | 0 |
| Master's Level Programs | 0 |
| 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 | 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. | 2 |
| 4. Number of undergraduate students involved in UTC-funded research projects. | 0 |
| 5. Number of master's degree students involved in UTC-funded research projects. | 1 |
| 6. Number of doctoral students involved in UTC-funded research projects. | 1 |
| 7. Number of peer reviewed MPC research reports published. | 0 |
| 8. Number of peer-reviewed journal articles published by faculty. | 1 |
| 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. | 1 |

Leadership

| | |
|------------------------------------------------------------------------------------------------------------------------------------------|----|
| 1. Number of journal editions published by MPC Universities. | 0 |
| 2. Number of MPC faculty serving on editorial board of journals. | 0 |
| 3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, ASCE, ITE, etc. | 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. | 75 |
| 8. Number of peer-reviewed journal articles and conference papers presented. | 2 |

Education and Workforce Development

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| 1. Number of transportation-related courses offered during the reporting period that were taught by faculty and/or teaching assistants who are associated with the UTC. | |
| Undergraduate Courses | 0 |
| Graduate Courses | 4 |
| Total | 4 |
| 2. Number of students participating in transportation research projects funded by this grant. | |
| Undergraduate Students | 0 |
| Graduate Students | 1 |
| Total | 1 |
| 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 |
| Total | 0 |
| 4. Number of graduate students supported by this grant. | |
| Master's Level Student Stipends | 0 |
| Doctoral Level Student Stipends | 0 |
| Total | 0 |
| 5. Number of student supported by this grant who received degrees. | |
| Master's Level Student Stipends | 0 |
| Doctoral Level Student Stipends | 0 |
| Total | 0 |
| 6. Number of outreach events conducted for K-12 audiences. | 0 |
| 7. Number of graduate courses (included in measure one) that are offered online. | 0 |

Technology Transfer

| | |
|----------------------------------------------------------------------------------------------------------------------------|----|
| 1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals. | 6 |
| 2. Number of transportation professionals participating in those events. | 75 |
| 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. | 4 |
| 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. | 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 Utah
FASTACT 69A3551747108 (MPC-533 – MPC-701)
October 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 | 8 |
| Graduate Courses | 6 |

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

| | |
|------------------------|----|
| Undergraduate Students | 4 |
| Graduate Students | 17 |

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

| | |
|-------------------------|----|
| Master's Level Programs | 4 |
| Doctoral Level Programs | 16 |

4. Number of graduate students supported by this grant.

| | |
|------------------------|----|
| Undergraduate Students | 2 |
| Master's Students | 7 |
| Doctoral Students | 13 |

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

| | |
|-------------------------|---|
| Undergraduate Students | 0 |
| Master's Level Programs | 3 |
| Doctoral Level Programs | 6 |

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. | 12 |
| 4. Number of undergraduate students involved in UTC-funded research projects. | 5 |
| 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. | 16 |
| 7. Number of peer reviewed MPC research reports published. | 8 |
| 8. Number of peer-reviewed journal articles published by faculty. | 18 |
| 9. Number of peer-reviewed conference papers published by faculty. | 14 |
| 10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students. | 23 |

Leadership

| | |
|------------------------------------------------------------------------------------------------------------------------------------------|----|
| 1. Number of journal editions published by MPC Universities. | 1 |
| 2. Number of MPC faculty serving on editorial board of journals. | 7 |
| 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. | 2 |
| 6. Number of unique organizations represented at MPC sponsored conferences and workshops. | 0 |
| 7. Number of individuals attending MPC conferences and workshops. | 6 |
| 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 | 8 |
| Graduate Courses | 6 |
| Total | 14 |
| 2. Number of students participating in transportation research projects funded by this grant. | |
| Undergraduate Students | 4 |
| Graduate Students | 20 |
| Total | 24 |
| 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 | 13 |
| Total | 19 |
| 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. | 0 |

Technology Transfer

| | |
|----------------------------------------------------------------------------------------------------------------------------|-----|
| 1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals. | 6 |
| 2. Number of transportation professionals participating in those events. | 105 |
| 3. Number of annual reports and newsletters published. | 7 |

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. | 6 |
| 3. Number of students participating in MPC graduate student symposia. | 7 |
| 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. | 1 |

University Transportation Centers Program Performance Indicators
Mountain-Plains Consortium
University of Wyoming
FASTACT 69A3551747108 (MPC-533 – MPC-701)
October 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 | 6 |

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

| | |
|------------------------|---|
| Undergraduate Students | 0 |
| Graduate Students | 6 |

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 | 3 |

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

| | |
|-------------------------|---|
| Undergraduate Students | 0 |
| Master's Level Programs | 1 |
| Doctoral Level Programs | 0 |

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

| | |
|--------------------------------------------|----------------|
| Number of applied research projects | 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. | 4 |
| 4. Number of undergraduate students involved in UTC-funded research projects. | 0 |
| 5. Number of master's degree students involved in UTC-funded research projects. | 3 |
| 6. Number of doctoral students involved in UTC-funded research projects. | 3 |
| 7. Number of peer reviewed MPC research reports published. | 3 |
| 8. Number of peer-reviewed journal articles published by faculty. | 9 |
| 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. | 4 |

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. | 3 |
| 4. Number of awards received by MPC faculty or programs. | 0 |
| 5. Number of conferences and workshops help or sponsored by MPC Universities. | 0 |
| 6. Number of unique organizations represented at MPC sponsored conferences and workshops. | 0 |
| 7. Number of individuals attending MPC conferences and workshops. | 0 |
| 8. Number of peer-reviewed journal articles and conference papers presented. | 3 |

Education and Workforce Development

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 1. Number of transportation-related courses offered during the reporting period that were taught by faculty and/or teaching assistants who are associated with the UTC. | |
| Undergraduate Courses | 6 |
| Graduate Courses | 5 |
| Total | 11 |
| 2. Number of students participating in transportation research projects funded by this grant. | |
| Undergraduate Students | 0 |
| Graduate Students | 6 |
| Total | 6 |
| 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 | 3 |
| Doctoral Level Student Stipends | 3 |
| Total | 6 |
| 5. Number of student supported by this grant who received degrees. | |
| Master's Level Student Stipends | 1 |
| Doctoral Level Student Stipends | 0 |
| Total | 1 |
| 6. Number of outreach events conducted for K-12 audiences. | 0 |
| 7. Number of graduate courses (included in measure one) that are offered online. | 0 |

Technology Transfer

| | |
|----------------------------------------------------------------------------------------------------------------------------|------|
| 1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals. | 29 |
| 2. Number of transportation professionals participating in those events. | 1008 |
| 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. | 1 |
| 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
Utah State University
FASTACT 69A3551747108 (MPC-533 – MPC-701)
October 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 | <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>8</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>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>11</u> |
| 8. Number of peer-reviewed journal articles published by faculty. | <u>2</u> |
| 9. Number of peer-reviewed conference papers published by faculty. | <u>2</u> |
| 10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students. | <u>4</u> |

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. | 8 |
| 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. | 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 | 9 |
| Graduate Courses | 8 |
| Total | 17 |
| 2. Number of students participating in transportation research projects funded by this grant. | |
| Undergraduate Students | 6 |
| Graduate Students | 21 |
| Total | 27 |
| 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 | 7 |
| Doctoral Level Student Stipends | 14 |
| Total | 21 |
| 5. Number of student supported by this grant who received degrees. | |
| Master's Level Student Stipends | 5 |
| Doctoral Level Student Stipends | 6 |
| Total | 11 |
| 6. Number of outreach events conducted for K-12 audiences. | 2 |
| 7. Number of graduate courses (included in measure one) that are offered online. | 0 |

Technology Transfer

| | |
|----------------------------------------------------------------------------------------------------------------------------|------|
| 1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals. | 151 |
| 2. Number of transportation professionals participating in those events. | 2195 |
| 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. | 2 |
| 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. | 1 |