

# Unique MATC Metrics:

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## Research:

The MATC research performance metrics will include those outlined in Exhibit A and Exhibit B, Part I of the reporting protocol outlined in the “Grant Deliverables and Requirements for University Transportation Centers” document. With respect to Exhibit B, Part II MATC will use the following performance metrics:

### Scholarly Work

- Peer-reviewed journal articles
- Peer-reviewed conference papers and/or abstracts
- Books and other non-periodical, one time publications (e.g., books, monographs, dissertations)
- Technical reports
- Presentations

### Implementation

- Changes in professional practice / codes
- New techniques, technologies, or models

### Intellectual Property

- Inventions
- Patents / patent applications
- Licenses

### Other Products (New or Modified)

- Databases
- Physical collections
- Audio or video products
- Software or Netware

MATC requires all PIs, as a condition of their grant, to include benchmarks regarding the performance metrics described above as part of their quarterly and final reports. This information is submitted electronically through the MATC website. This information is reviewed, edited, published on the MATC website, aggregated, and submitted to OST-R according to the reporting protocols laid out in the “Grant Deliverables and Requirements for University Transportation Centers” document.

## Leadership:

MATC leadership performance metrics will include those outlined in Exhibit A and Exhibit B, Part I of the reporting protocol outlined in the “Grant Deliverables and Requirements for University Transportation Centers” document. With respect to Exhibit B, Part II MATC will use the following performance metrics:

### Technical Communication

- Peer-reviewed journal articles
- Peer-reviewed conference papers and/or abstracts
- Presentations at National/International Conferences

### Technical Committees, Advisory Boards, Task Forces, and Conference Committees

- International, National, Regional, Local

### Editorial Boards (Technical Journals)

- International / National

MATC requires each affiliated faculty member to submit benchmarks regarding the performance metrics described above as part of their annual report. This information is submitted electronically through the MATC website. Subsequently it is reviewed, edited, published on the MATC website, aggregated, and submitted to OST-R according to the reporting protocols laid out in the “Grant Deliverables and Requirements for University Transportation Centers” document.

## Education & Workforce Development:

The MATC education and workforce development performance metrics will include those in Exhibit A and Exhibit B, Part I of the reporting protocol outlined in the “Grant Deliverables and Requirements for University Transportation Centers” document. With respect to Exhibit B, Part II MATC will use the following performance metrics:

### Number of University Students

- Participating in transportation research projects funded by grant: undergraduate and graduate
- Graduate students supported by grant: masters and doctoral.
- Students supported by this grant who received degrees: undergraduate, masters and doctoral.
- Accepting transportation job in industry, academia, and government: undergraduate and graduate

### Number of Teachers

- Participating in MATC Summer Institute
- Presenting MATC lesson plans in class

### Number of Educational Aids

- Lesson plans developed (k-12)
- Other educational curricula

### **Number of University Students (Cont.)**

- Participating in MATC intern program
- Participating in MATC Scholars Program
- Attending technical conferences
- Presenting at technical conferences
- Attending transportation technical tours

### **Number of Advanced Degree Programs**

- Transportation-related advanced degree programs that utilize grant funds to support graduate students: masters and doctoral.

### **Number of K-12 Students**

- Participating in MATC Summer Institute
- Participating in MATC lesson plans
- Participating in MATC after school program
- Visiting MATC consortium schools
- Presentations on transportation topics

### **Number of Transportation-Related Courses**

- Offered during the reporting period that were taught by faculty and/or teaching assistants who are associated with MATC members: undergraduate and graduate
- Developed or improved, during the reporting period, by MATC faculty members

MATC requires each Associate Director to submit benchmarks for their institution regarding each of the education and workforce development performance metrics detailed above as part of their quarterly report. This information is submitted electronically through the MATC website; subsequently it is reviewed, edited, published on the MATC website, aggregated, and submitted to OST-R according to the reporting protocols laid out in the “Grant Deliverables and Requirements for University Transportation Centers” document.

## Technology Transfer:

MATC will ensure technology transfer activities continue to be a key element in defining the research program and will be used as a criterion in selecting the individual research projects. The MATC technology transfer performance metrics will include those in Exhibit A and Exhibit B, Part 1 of the reporting protocol outlined in the “Grant Deliverables and Requirements for University Transportation Centers” document. With respect to Exhibit B, Part II MATC will use the following performance metrics:

### Number of Technology transfer mechanisms:

- Inventions, patents and/or licenses
- Cooperative research and/or user agreements,
- New business entities created

### Number of Transportation Professionals

- Participating in MATC Outreach Activities: research webinars, seminars, symposia, and workshops
- Subscribing to MATC Newsletters, Technical Briefs, Reports
- Participation / membership in MATC’s social media and information forums including Facebook, LinkedIn, Vimeo, Twitter, and Flickr

### Number of Partnerships

- MATC participants in US DOT / OST-R research clusters
- MATC faculty on International/ National/Regional Research Advisory Boards

### Number of Technical Communication

- Peer-reviewed journal articles
- Peer-reviewed conference papers
- Presentations at National/International Conferences
- MATC final reports published
- Webinars
- Seminars
- Symposia
- Workshops
- Newsletters (on-line, print)
- MATC technical briefs published

MATC’s evaluation process includes procedures to document, account for, and fully describe all relevant technology transfer activities generated by individual research projects. MATC requires all PIs to submit benchmarks for each of the technology transfer performance metrics detailed above as part of their quarterly report. This information is submitted electronically through the MATC website. The MATC Program Coordinator will be responsible for obtaining the reports from the social media venues and providing the appropriate cumulative data. All of the technology transfer information is reviewed, edited, published on the MATC website, aggregated, and submitted to OST-R according to the reporting protocols laid out in the “Grant Deliverables and Requirements for University Transportation Centers” document.