Unique MATC Metrics:

MATC requires all Principal Investigators to report on performance metrics yearly for the duration of the grant cycle. This information is published on the MATC website (http://matc.unl.edu/performance_metrics.php) and submitted to OST-R according to the reporting protocol laid out in the “Grant Deliverables and Reporting Requirements for University Transportation Centers” document: https://www.transportation.gov/sites/dot.gov/files/docs/utc/261051/fast-act-grantdeliverablesandreporting-june-2018-version-14.pdf.

MATC performance metrics will include those outlined in Exhibit C, Part I and Part II of the reporting protocol outlined in the “Grant Deliverables” document.

Research:
MATC will develop a comprehensive, multi-modal safety research portfolio with the overall objective of increasing the safety of the Region 7 transportation system to the benefit of all stakeholders, including users, workers, and citizens.

With respect to Exhibit C, Part II MATC will use the following research performance metrics:

1. **Intellectual property**
   - Inventions
   - Patents
   - Licenses

2. **Implementation**
   - Changes in professional codes
   - Development of software systems
   - Construction of infrastructure using MATC-based designs

3. **Scholarly work**
   - Peer-reviewed journal articles
   - Books
   - Technical reports
Leadership:
MATC is committed to mentoring and developing young faculty and graduate students to be future leaders in the transportation field. Our goals are 1) to increase the number of young faculty and graduate students who are attracted to and substantively involved in transportation related programs, and 2) to increase the quality and quantity of the transportation workforce, which reflects the U.S. populations growing diversity.

With respect to Exhibit C, Part II MATC will use the following leadership performance metrics:

1. **Graduate students funded by MATC by degree type and discipline**

2. **Assistant and associate professors participating in MATC projects**

3. **Faculty membership**
   - International, national, regional, and local technical committees
   - Advisory boards
   - Task forces
   - Conference committees
Education & Workforce Development:

MATC plans to expand its existing programs that are designed to identify and recruit new undergraduate and graduate students for research and educational initiatives. The goal is to increase that quality, quantity, and diversity of students who enroll and graduate from transportation-related 2-year certificate, undergraduate, and graduate programs.

With respect to Exhibit C, Part II MATC will use the following education and workforce development performance metrics:

1. MATC graduate, undergraduate, and K-12 students involved in research, tech transfer, and programs run by MATC

2. K-12 teachers participating in MATC educational programs

3. Transportation-related certification programs and advanced degrees offered, developed, and improved
Technology Transfer:
MATC will continue to expand its portfolio of user-friendly delivery mechanisms specifically geared toward conveying the Center's knowledge to Region 7's public and private sector transportation professionals.

With respect to Exhibit C, Part II MATC will use the following technology transfer performance metrics:

1. Rate of technology transfer as measured by the quantity of cooperative research and/or user agreements, and the quantity of new business entities created

2. Technical communications and outreach activities, including:
   - Final reports
   - Webinars
   - Social media
   - Workshops
   - Newsletters
   - Other

   AND, the transportation professionals who participate in these activities

3. Private and public organizations affiliated with MATC as sponsors of various programs
Collaboration:
In order for the Region 7 UTC to reach its full potential, the goals and objectives of all the principal stakeholders must be considered during the decision making process. Consequently, MATC has and will continue to partner with Federal and State DOTs, Region 7 Universities, and Private Sector companies. These collaborations, an extension of the relationships MATC has been building since 2006, will help us fully realize our ambitious agenda.

With respect to Exhibit C, Part II MATC will use the following collaboration performance metrics:

1. **MATC joint research projects** conducted by consortium partners

2. **Joint graduate and undergraduate courses/seminars offered**

3. **Participating students**
   - Joint courses
   - Technical seminars
   - Tours