

April 6, 2012

MEMORANDUM

To: TRAC Members

From: Bob Felsburg and Steven Marfitano

Subject: Performance Measures Review for Upcoming Meeting – April 13, 2012

Attached you will find the performance measure tables for the last four categories.

- The first two, Environmental and Resource Conservation and Efficiency, have already been discussed at the March meeting with the recommended changes included in this latest version.
- The third category, System Preservation and Expansion, will be discussed at the upcoming April meeting; please review and be prepared to discuss.
- The last category, Quality of Life, will require discussion at the April meeting. As alluded to at the March meeting, this category has been difficult to define as a unique category to include in the performance framework. Many of the references studied during this framework development have identified many of the other seven categories as key measures of the overall quality of life (especially, Mobility, Economic Development, Safety, and Environmental and Resource Conservation). Our goal has been to avoid repeating performance measures in multiple categories. As a result, we suggest removing Quality of Life from the list of categories and incorporating the concept elsewhere in the framework. One possibility is to amend the TRAC vision statement to include Quality of Life as an overarching goal. If we choose to do this, the candidate performance measures shown on the table should be included in appropriate alternative categories. We would like to discuss this recommendation with the TRAC before determining how Quality of Life should be incorporated into the framework.

Please review the attached handouts and be prepared to discuss your recommendations for additions, deletions, and changes to the candidate performance measures for the final categories at the April 13, 2012 TRAC Meeting.

CATEGORY

VALUE

MODE

CANDIDATE PERFORMANCE MEASURES

ENVIRONMENTAL CONSERVATION AND RESOURCE

Environmental Conservation

Freight

- Tons of pollution (or vehicle emissions) generated per tonnage hauled
- Fleet mix (Tier 2, Tier 3, Tier 4)

Passenger

- Tons of pollution (or vehicle emissions) generated per 1000 riders

Resource Conservation

Freight

- Fuel consumption per ton-mile travelled

Passenger

- Fuel consumption per (VMT, PMT)
- Percent of fleet using alternative fuels
- Percent of maintenance facilities using alternative fuels
- Number of alternative fuel refilling stations
- Number of "green" facilities
- Percent of agencies with materials recycling programs

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CATEGORY

VALUE

MODE

CANDIDATE PERFORMANCE MEASURES

EFFICIENCY

Financials

Freight

- Operating ratio

Passenger

- Statewide fare box recovery
- Public cost per transit trip (subsidy)
- Cost per trip (or PMT, VMT, revenue-mile, passenger-mile)

Operations

Freight

- Average terminal dwell time
- Average train speed

Passenger

- Revenue-hours per transit employee
- Passengers per (revenue-mile, revenue-hour)

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CATEGORY

VALUE

MODE

CANDIDATE PERFORMANCE MEASURES

SYSTEM AND PRESERVATION

System Preservation

Freight

- Miles of track classified as "Out of Service"
- Miles of track "Subject to Abandonment or Sale"
- Percentage of rail that can operate at at least maximum speeds of 60 mph (Class 4 or higher)

Passenger

- Average age of transit fleet
- Value of "State of Good Repair" backlog
- Number of agencies with transit asset management programs
- Average age of transit facilities (major maintenance, intermodal, BRT stations, passenger rail stations)

System Expansion

Freight

- Miles of rail added in the last year (Class I, shortlines)

Passenger

- Increase in bus transit route-miles (coverage)
- Increase in bus revenue miles (frequency)
- Increase in rail transit route-miles (coverage)
- Increase in rail revenue miles (frequency)

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CATEGORY

VALUE

MODE

CANDIDATE PERFORMANCE MEASURES

QUALITY OF LIFE

Environmental

Freight

Passenger

User/
Community
Experience

Freight

Passenger

- Tons of surface contamination generated

- Number of quiet zones statewide

- Percent of fleet with (wi-fi, on-board restrooms, highback seating)
- Percent of transit stations with (indoor waiting areas, vending machines, restrooms)
- Percent of agencies using real-time passenger information systems