

## CHAPTER VII - FOLLOW-ON ACTIVITIES





## OVERVIEW

As stated earlier, the LRTP is updated at least every four years. The next LRTP update is expected to be adopted in June 2011. In the interim, the performance of the transportation system will be monitored to measure the amount of change, if any, the policies and actions of the LRTP Update have on its performance. In addition, federal regulations require performance measurement as part of a CMP.

## Performance Measures

Performance measures have been developed that address the basic concerns of users of the transportation system (accessibility, mobility, safety) and the existing and emerging priorities of GTC, NYSDOT, and USDOT (efficiency, emissions, freight movement, and environmental justice) among others.

The performance measures were chosen based on their universality and the reasonableness of the efforts needed to obtain and collect the required data. Cost effectiveness and timeliness were also key considerations. Combined, these performance measures will provide GTC and its member agencies with a means to assess whether or not the policies and actions of the LRTP Update and CMP are better meeting the GTC Goals and Objectives on a system-wide basis.

All of the performance measures will be evaluated through the comparison of conditions in future years versus the base year (2005).

The performance measures are:

### Average travel time

Extent of measure: corridor

Measure of: mobility, congestion

CMP Measure (yes/no): yes

GTC Goals addressed

1. Support Economic Vitality
4. Increase Accessibility and Mobility
6. Promote Efficiency

## Modes

- Highway & Bridge
- Public Transportation

## Data source(s)

- GTC Travel Time Data Collection Program
- NYSDOT Vehicle Detectors
- GTC Travel Demand Model

## Average travel time to work

Extent of measure: system-wide

Measure of: mobility

CMP Measure (yes/no): no

GTC Goals addressed

1. Support Economic Vitality
4. Increase Accessibility and Mobility
6. Promote Efficiency

## Modes

- Highway & Bridge
- Public Transportation
- Bicycle & Pedestrian

## Data source(s)

- U.S. Census
- GTC Travel Demand Model

## Average travel time on major roads with above average truck traffic

Extent of measure: corridor

Measure of: freight mobility

CMP measure (yes/no): no

GTC Goals addressed

1. Support Economic Vitality
4. Increase Accessibility and Mobility
6. Promote Efficiency



## Modes

- Goods Movement

## Data source(s)

- U.S. Census
- GTC Travel Demand Model

## Average travel speed

Extent of measure: corridor

Measure of: mobility, congestion

CMP measure (yes/no): yes

GTC Goals addressed

1. Support Economic Vitality
4. Increase Accessibility and Mobility
6. Promote Efficiency

## Modes

- Highway & Bridge

## Data Source

- GTC Travel Time Data Collection Program
- NYSDOT Vehicle Detectors
- GTC Travel Demand Model

## Minutes of excess delay per trip

Extent of measure: system-wide

Measure of: mobility, congestion

CMP measure (yes/no): yes

GTC Goals addressed

1. Support Economic Vitality
4. Increase Accessibility and Mobility
6. Promote Efficiency

## Modes

- Highway & Bridge

- Goods Movement

## Data source(s)

- GTC Travel Demand Model

Note: complements the above average travel time measures by identifying areas that contribute to congestion

## Volume/capacity ratio (level of service)

Extent of measure: corridor and system-wide

Measure of: mobility, congestion

CMP measure (yes/no): yes

GTC Goals addressed

1. Support Economic Vitality
2. Increase Safety
4. Increase Accessibility and Mobility
6. Promote Efficiency

## Modes

- Highway & Bridge

## Data source(s)

- GTC Travel Demand Model

## Percent of travel time in congested conditions

Extent of measure: system-wide

Measure of: mobility, congestion

CMP measure (yes/no): yes

GTC Goals addressed

1. Support Economic Vitality
4. Increase Accessibility and Mobility
6. Promote Efficiency

## Modes

- Highway & Bridge
- Goods Movement

# FOLLOW-ON ACTIVITIES



Data Source(s)

- GTC Travel Demand Model

## Passengers per seat on transit buses (transit load factor)

Extent of measure: corridor and system-wide

Measure of: mobility, transit congestion

CMP measure (yes/no): yes

GTC Goals addressed

1. Support Economic Vitality
4. Increase Accessibility and Mobility
6. Promote Efficiency

Modes

- Public Transportation

Data Source(s)

- RGRTA
- CATS

## Variance in travel time (reliability)

Extent of measure: corridor and system-wide

Measure of: mobility, non-recurring congestion

CMP measure (yes/no): yes

GTC Goals addressed

1. Support Economic Vitality
2. Increase Safety
4. Increase Accessibility and Mobility
6. Promote Efficiency

Modes

- Highway & Bridge
- Public Transportation
- Goods Movement

Data Source(s)

- GTC Travel Time Data Collection Program

## Accident rate

Extent of measure: system-wide

Measure of: safety

CMP measure (yes/no): no

GTC Goals addressed

2. Increase Safety
6. Promote Efficiency

Modes

- Highway & Bridge
- Bicycle & Pedestrian

Data source(s)

- NYSDOT
- NYS Dept. of Motor Vehicles
- County Sheriffs
- Municipal Police

## Emission levels

Extent of measure: system-wide

Measure of: environmental protection

CMP measure (yes/no): no

GTC Goal addressed

5. Protect Community Character and Conserve Energy

Modes

- Highway & Bridge
- Public Transportation
- Goods Movement (based on fleet mix)

Data source(s)

- GTC Travel Demand Model and associated emissions post-processor

# FOLLOW-ON ACTIVITIES



## Percent of federal-aid roadways with pavement conditions rated "fair" or better

Extent of measure: system-wide

Measure of: system preservation, mobility

CMP measure (yes/no): no

GTC Goals addressed

1. Support Economic Vitality
2. Increase Safety
4. Increase Accessibility and Mobility
6. Promote Efficiency

Modes

- Highway & Bridge
- Public Transportation
- Goods Movement
- Bicycle & Pedestrian

Data source(s)

- GTC
- Monroe County
- City of Rochester
- NYSDOT

## Percent of low-income persons within one-quarter mile of fixed route transit service

Extent of measure: system-wide

Measure of: accessibility (defined as ability of persons to reach destinations)

CMP measure (yes/no): no

GTC Goal addressed:

1. Support Economic Vitality
4. Increase Accessibility and Mobility
6. Promote Efficiency

Modes

- Public Transportation

Data source(s)

- GTC GIS data
- U.S. Census

## Energy Usage

Extent of measure: system-wide

Measure of: environmental protection

CMP measure (yes/no): no

GTC Goal addressed

5. Protect Community Character and Conserve Energy

Modes

- Highway & Bridge
- Public Transportation
- Goods Movement

Data source(s)

- GTC Travel Demand Model and associated emissions post-processor

## User Cost per Mile per Trip

Extent of measure: system-wide

Measure of: operational efficiency

CMP measure (yes/no): no

GTC Goal addressed

6. Promote Efficiency

Modes

- Highway & Bridge
- Public Transportation

Data source(s)

- GTC Travel Demand Model
- GTC TIP