

## 2035 BMTS LONG RANGE TRANSPORTATION PLAN

### GOALS AND OBJECTIVES – FOR PUBLIC REVIEW

These goals are high level statements of what needs to be accomplished to attain the 2035 vision of the Greater Binghamton region. Each goal has a subset of objectives that are measurable.

**VISION:** In 2035, Greater Binghamton will be a successful region, and its regional transportation system will have the following characteristics.

- ♦ **Sustainability.** The regional transportation system will support community sustainability in terms of energy consumption, greenhouse gas emissions, land consumption, public health, and social equity.
- ♦ **Mobility.** The regional transportation system will provide efficient mobility for personal travel and for goods movement. Mobility is most efficient when there are many modes of travel that compete on a level playing field; and when there are excellent connections among those modes.
- ♦ **Safety:** All users of the regional transportation system will be able to travel safely and with a sense of security, regardless of which mode they choose to use.
- ♦ **System Preservation:** The infrastructure of the regional transportation system represents an enormous investment of public resources. It will be maintained in a state of good repair, as the foundation for providing safe, efficient mobility.

#### GOALS and OBJECTIVES:

- ♦ **Sustainability:** To reduce the per capita amount of carbon-based energy consumed and greenhouse gases produced by the transportation sector by 50% by 2035. To limit the amount of land consumed for new development.

##### OBJECTIVES

- Invest in strategies to reduce per capita vehicle miles traveled (VMT)
  - Improve the availability and level of service of public transit
    - Reduce headways
    - Increase fleet as necessary
    - Periodically reevaluate route structure
  - Construct sidewalks to ensure connectivity in the urban core communities and contiguous residential areas.
  - Complete construction of the Greater Binghamton Greenway Plan within 10 years
  - Overcome barriers to bicycle use (safe travel, use of cycle friendly construction and maintenance techniques, secure storage...)
  - Promote travel demand management, including ridesharing, modified work schedules, telecommuting...

- Consider the potential application of pricing strategies
  - Invest in strategies to reduce truck ton-miles of travel (TMT)
    - Support public investment in freight railroad improvements including restoration of quality service between Binghamton and Syracuse
    - Support public-private partnerships to develop truck-rail intermodal terminal
  - Invest in strategies to reduce vehicle emissions
    - All public transit buses purchased will use best available propulsion technology [hybrid at present; successive generations...]
    - Local governments will be expected to purchase vehicles for both light duty and heavy duty vehicle fleets that use the best available propulsion technology
    - Convert signalized arterial streets to traffic adaptive signal timing technology within 5 years. Retime isolated signals no less than every 2 years.
    - Replace x% of signalized intersections with roundabouts.
  - Strategies to limit land consumption for new development and create opportunity for short trips:
    - Promote compact, mixed-use development
    - Promote infill development/redevelopment in the urban core communities
- ♦ **Mobility.** To create a regional transportation system that provides travel choices so personal travel and goods movement can maximize efficiency and convenience.

**OBJECTIVES:**

- Invest in strategies to provide alternatives to single-occupant vehicle personal travel
  - Improve the availability and level of service of public transit
    - Complete the consolidation of Broome County, Tioga County, and OCC Transport services
    - Reduce fixed route bus headways
    - Increase fixed route bus fleet as necessary to meet demand
    - Increase paratransit bus fleet to accommodate all requests for service
    - Periodically reevaluate route structure
  - Continue to support and promote regional rideshare service
  - Promote the creation of a car share service
  - Construct sidewalks where gaps are identified in the existing sidewalk network within 5 years to ensure a continuous network and in high priority locations.
  - Continue to bring existing sidewalks and curb ramps into ADA compliance.

- Use best available pedestrian signal technology in both new installations and as retrofits
    - Complete Greater Binghamton Greenway multiuse path system within 10 years.
    - Overcome barriers to bicycle use (safe travel, use of bicycle friendly pavement maintenance treatments, sharing the road education for motorist & cyclist, secure storage...)
  - Invest in strategies that improve the efficiency of vehicle travel
    - Complete the deployment of the ITS Regional Architecture
      - Robust traffic management center
      - Traveler information
      - Signal systems
      - Incident management
- ♦ **Safety.** To create a regional transportation system that provides safe travel for all users and all modes.
 

OBJECTIVES:

  - Invest in strategies to improve roadway safety
    - Continuously analyze traffic crash data to identify high crash locations
    - Study and propose countermeasures for high crash locations within two years of identification
    - Proactively identify and deploy techniques to improve safety for special populations of drivers, including especially older drivers and new drivers
  - Invest in strategies to improve pedestrian safety
    - Complete the construction of sidewalks in identified high priority areas within 5 years
    - Use best available pedestrian signal technology in both new installations and as retrofits
  - Invest in strategies to improve safety for transit users
    - Develop and implement a plan for bus stop accessibility and shelters
    - Provide support as necessary for on-board safety and security
  - Invest in strategies to improve safety for cyclists
    - Complete within 2 years a new Regional Bicycle Plan that addresses the need for on- and off-road cycle facilities.
- ♦ **System Preservation.** To maintain the regional transportation system in a state of good repair.
 

OBJECTIVES:

  - Invest to improve average pavement sufficiency on both State system and local arterial roadways by x% [TBD] in each five year period, using most cost-effective asset management tools.

- Invest to reduce the number of structurally deficient bridges using most cost-effective asset management tools
- Address functionally obsolete bridges that are not structurally deficient based on safety assessment and resource availability
- Manage the Broome County and Tioga County transit fleets based on Federal Transit Administration bus replacement guidelines
- Adopt a “Rebuild Smarter” policy for all infrastructure projects that includes a Road Safety Assessment to identify and include necessary safety elements; and a Complete Streets Assessment to identify and include appropriate complete streets elements.
- Adopt a “Rebuild Greener” policy for infrastructure projects that utilizes state of the practice construction techniques that minimize environmental impacts.