Transportation Innovation Station

Innovation is essential to our ability to meet the needs of today and tomorrow. Things that are common, and that we almost can't live without, came into being through a great idea or how to solve a problem or in response to an opportunity. Whether it’s the latest App that tells you how to get from A to B by whatever mode you choose or one that lets you know when the bus is coming; carsharing or bikesharing; or paying for things like parking wirelessly, innovation is all around us and it had to start SOMEWHERE. So, what’s the next great idea? Where can we innovate?

1. Do you have an idea for a transportation innovation? Let us know! We’ll populate the idea tree with a GRAY circle.

2. Do you know of an issue or opportunity that could benefit from some creative thinking? Let us know. We’ll populate the idea tree with a RED square.

3. Watch as your ideas branch into our transportation future.
Vehicle Ideas & Opportunities

• Congestion getting into DC
  – DDOT supported slug lines
  – “Smart” traffic network & autonomous vehicles

• Traffic circles converted to roundabouts

• Shared taxis (like in the Middle East)

• Safety
  – Speed cameras, dynamic speed signs, lower fines for minor violations
  – Enhanced enforcement for “Don’t Block the Box”
Parking Ideas & Opportunities

• Find available parking
  – App with real-time availability
  – Parking space reservations

• Next generation parking payment
  – Auto charging based on license plate

• For commuters, driving/parking costs less than transit
  – Link parking pricing in the District with suburban Metro parking
Bicycle Ideas & Opportunities

• Bicycle recycling
  – Work with public schools to help with class disparity in bike usage

• Increase bike usage
  – More, secure bike parking
  – Bike boulevards
  – Bike lanes on diagonal streets
  – Regulations & signal timing for bikes

• Improve Capital Bikeshare
  – Add kid seats and storage
  – Increased bike signage
Pedestrian/Access Ideas & Opportunities

• Getting **to** the bus is harder than getting on the bus
  – Curb ramps everywhere and properly-constructed
  – Improve sidewalks
  – Shorten crossings
  – Traffic signal cycle lengths to accommodate pedestrians
  – Traffic calming
  – More mid-block crossings
  – Pedestrian avenues throughout the city
  – Pedestrian-only areas
Bus Ideas & Opportunities

• Develop a BRT network

• More local transit
  – More circulator

• Easier to use
  – Stroller storage on front of bus
  – Simplified Metrobus
  – Bike parking at every major stop
  – All routes all day

• Delays for loading/unloading
  – One door to get on, one door to get off
  – Pre-pay
• **Transit options in underserved areas**
  – Metro extensions and/or streetcars
  – Circumferential lines to connect city neighborhoods

• **Provide more information**
  – Don’t charge if delays cause user not to take the train
  – Internet connectivity on all rail
  – Real-time parking availability at Metrorail parking
  – Better track work communication

• **Increase ridership**
  – No peak fares for reverse commutes
  – Coordinate MARC and VRE
  – Bike racks on trains
Multimodal Ideas & Opportunities

• **Improve transit**
  – Rewards for SmarTrip frequent users
  – 24-hour public transportation
  – Bike storage

• **Designate specific streets for specific modes (rather than all modes on one street)**

• **Retrofit all office building to support multimodalism (i.e. showers)**

• **Improve access**
  – National Parks
  – New Potomac River crossings for all modes
  – Coordinate Metrorail service hours and airport flight schedules
Mobile/Technological Ideas & Opportunities

• Route-specific notifications
• App for parking availability
• Mobile transit payment
• App with Metrorail AND bus information
• Transit directions and delay notifications via Apple and Google Maps
• More ways to monitor and report travel speeds