Online Bike Route Mapping

Why We Need It

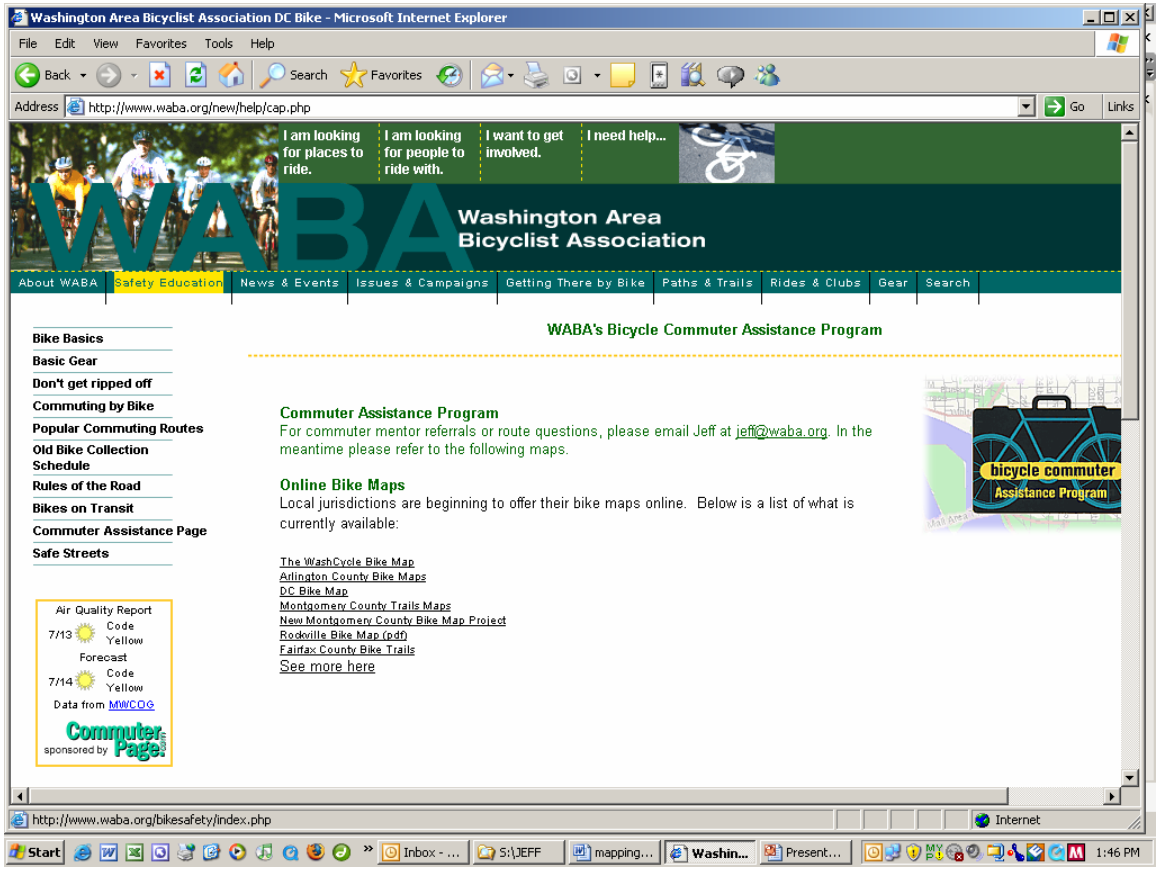
- A safe and consistent route is a large stumbling block to would-be bike commuters

- To offer a system that allows users to plot Point A to Point B bike routes similar to online car mapping software (Mapquest, AAA, etc.)

- To allow for the collection of Bike to Work Day Convoys and other popular routes, as well as allowing for the informal collection of bike crash locations and other data

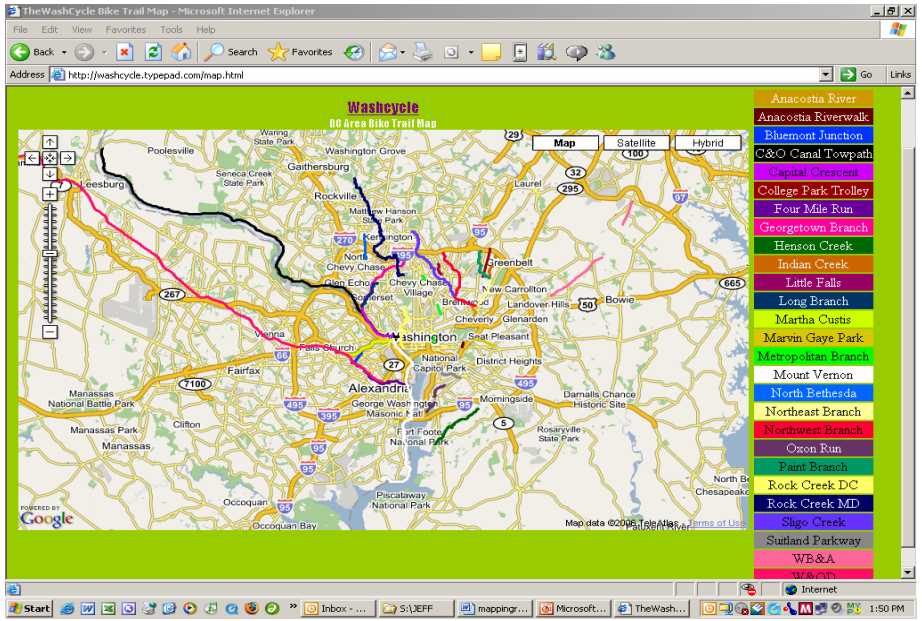
What We Have

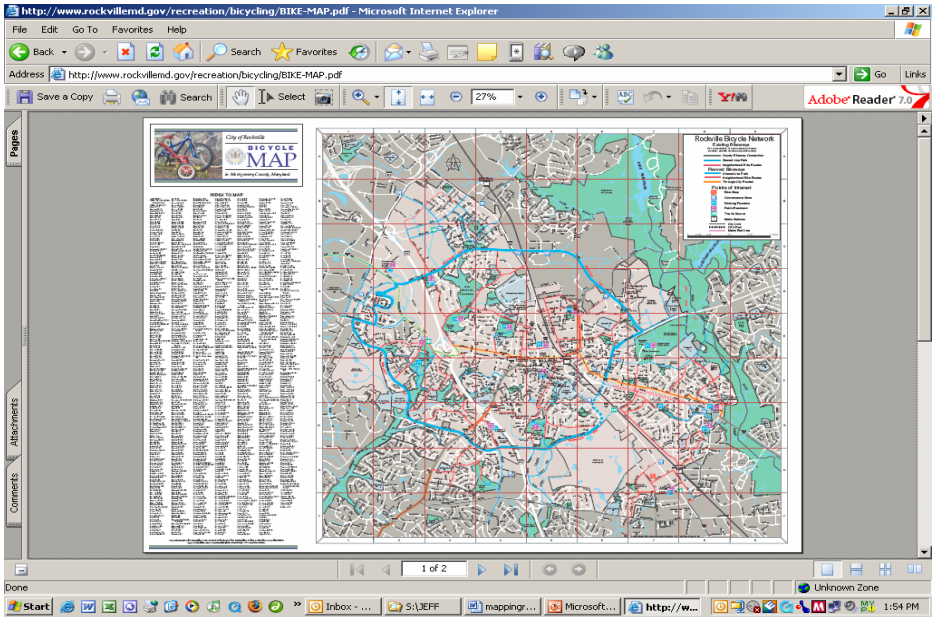
Raw data in GIS is available through
the region's municipalities along with field data collected in
the making of the ADC Washington Area Bike Map

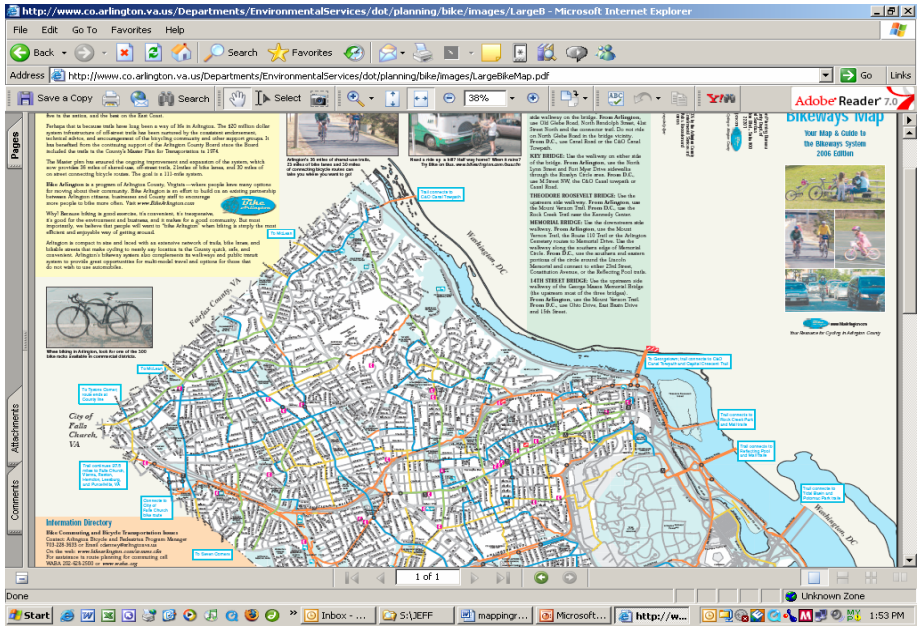


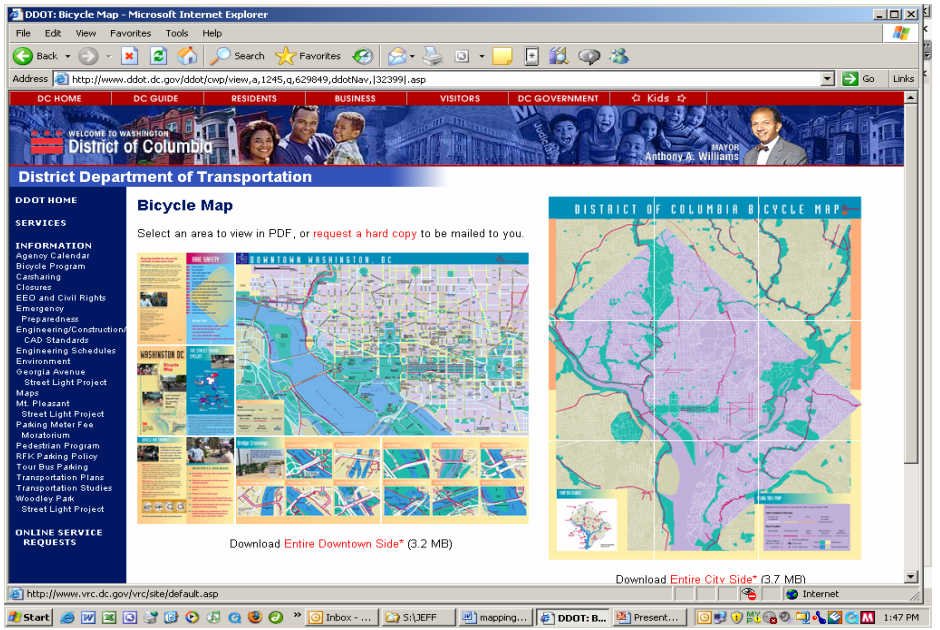
A network of "Commuter Mentors" throughout the region who can offer more detailed route consultation

Regional maps in multiple formats









What we want

- An online resource of maps, commuter routes and mentors that covers the Metro Washington Area
- Easy ability to update due to changing road conditions, new construction
- Ability to track crashes for improved reporting of trouble spots to regional bike coordinators
- A system that is first and foremost user-friendly, but is also innovative, setting a standard for other regions throughout the country

What Other Cities are Using

- **LA County**

  Bikemetro.com offers ability to plug in start and finish addresses and will plot route and cue sheet for ride

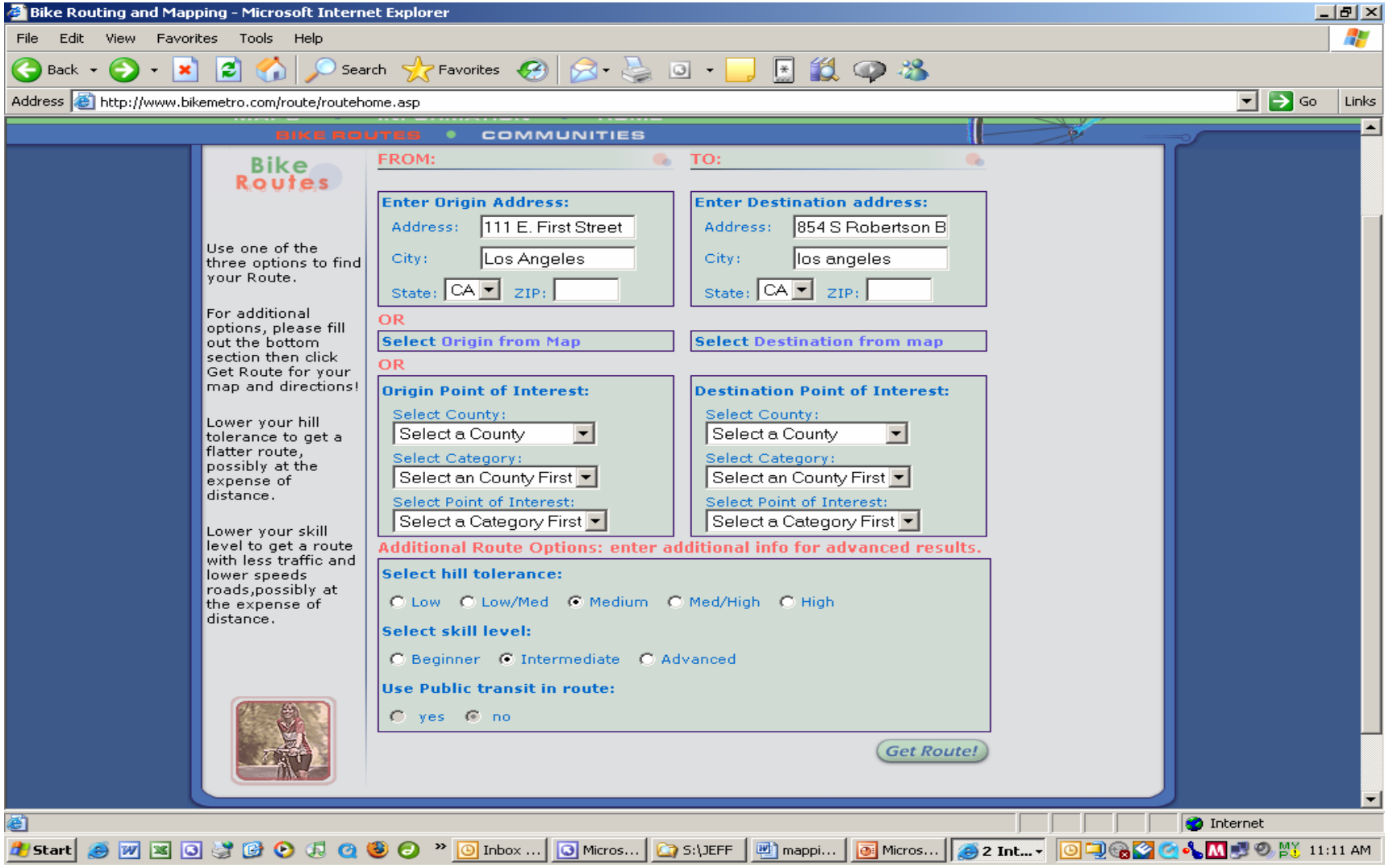
- **San Francisco**

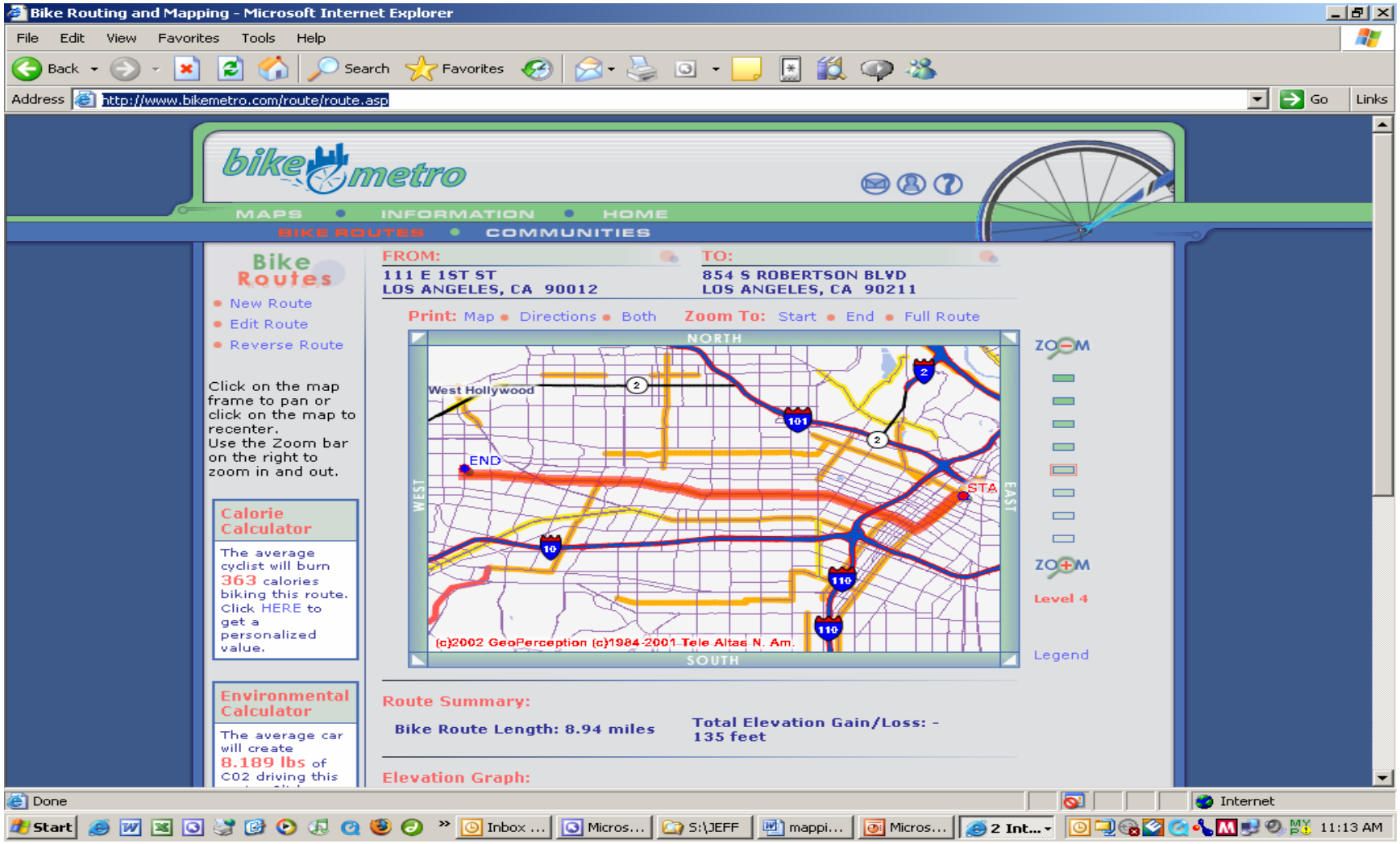
  Bicycling.511.org BikeMapper offers all possible bike routes within a specified area and provides tools for user to interact with map and print.

- **Portland,OR; Milwaukee, WI; Pittsburgh, PA**

  ByCycle.org/TripPlaner offers online route mapping and cue sheet generator within the interactive Google Maps platform

BikeMetro.com

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Bike Routes
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Reverse Route
Click on the map frame to pan or click on the map to recenter.
Use the Zoom bar on the right to zoom in and out.
Calorie Calculator
The average cyclist will burn 363 calories biking this route. Click HERE to get a personalized value.
Environmental Calculator
The average car will create 8.189 lbs of C02 driving this
FROM:
111 E 1ST ST
LOS ANGELES, CA 90012
TO:
854 S ROBERTSON BLVD
LOS ANGELES, CA 90211
Print: Map Directions Both
Zoom To: Start End Full Route
NORTH
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(c)2002 GeoPerception (c)1984-2001 Tele Atlas N. Am.
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Route Summary:
Bike Route Length: 8.94 miles
Total Elevation Gain/Loss: -135 feet
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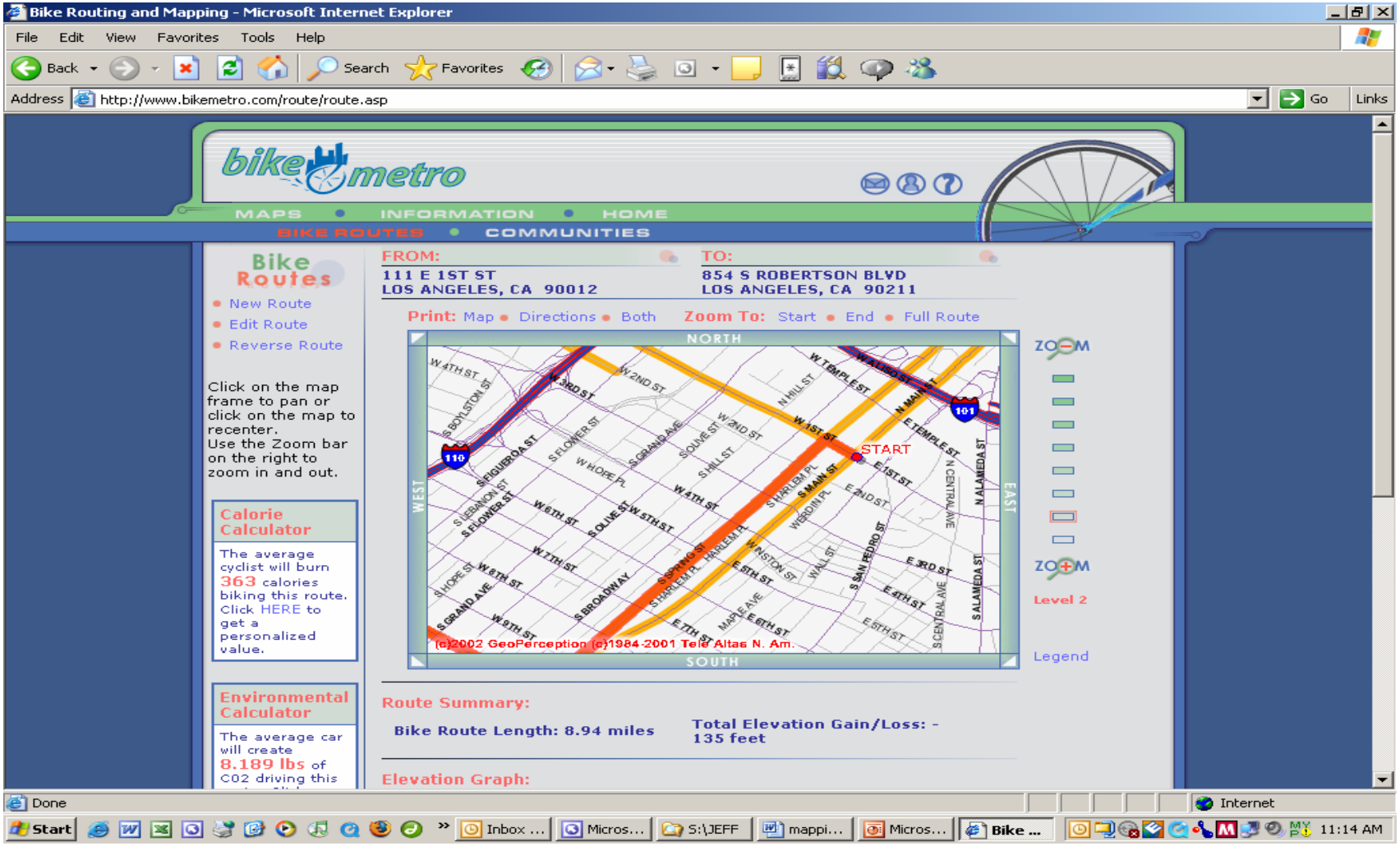
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Total Elevation Gain/Loss: - 135 feet
Elevation Graph:
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Address http://www.bikemetro.com/route/route.asp Go Links

get a personalized value.

Environmental Calculator

The average car will create **8.189 lbs** of C02 driving this route. Click HERE to get a personalized value.

Cost Calculator

The average cyclist will save approximately **$9.17** biking this route. Click HERE to get a personalized value.

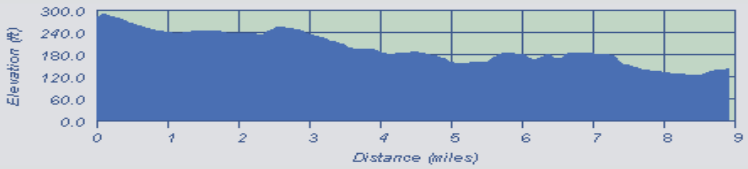
Legend

Route Summary:

Bike Route Length: 8.94 miles

Total Elevation Gain/Loss: -135 feet

Elevation Graph:



Directions:

1.	**Start out NORTH on E 1ST ST (42 ft., Slight Uphill)**
2.	**Continue on W 1ST ST at 42 ft.(0.09 miles, Slight Uphill)**
3.	**Turn Left on S SPRING ST at 0.10 miles(1.00 miles, Slight Downhill)**
4.	**Turn Right on S MAIN ST at 1.09 miles(0.12 miles, Slight Downhill)**
5.	**Turn Right on W OLYMPIC BLVD at 1.21 miles(7.58 miles, Rolling Downhill)**
6.	**Turn Right on S ROBERTSON BLVD at 8.79 miles(0.16 miles, Flat)**

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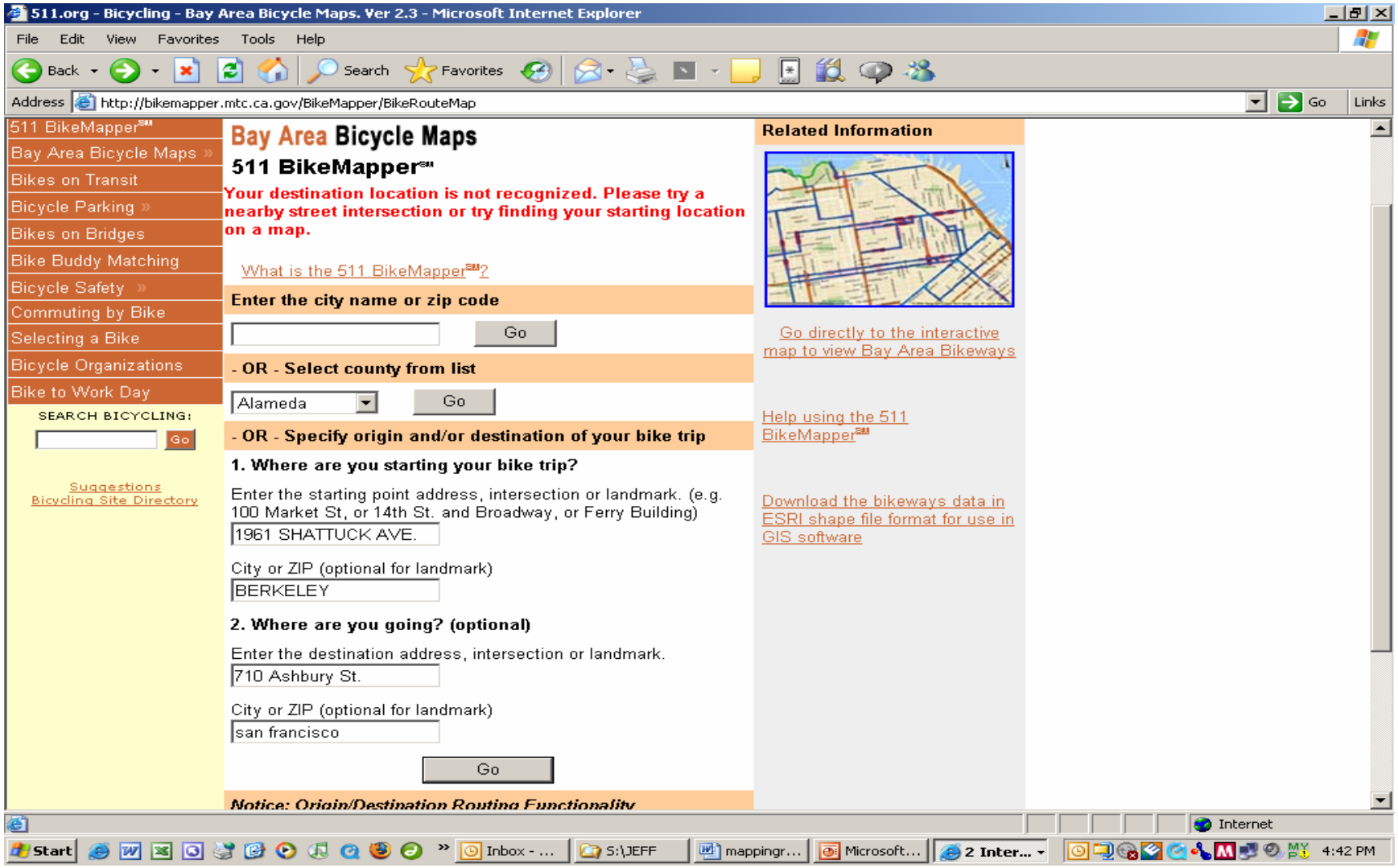
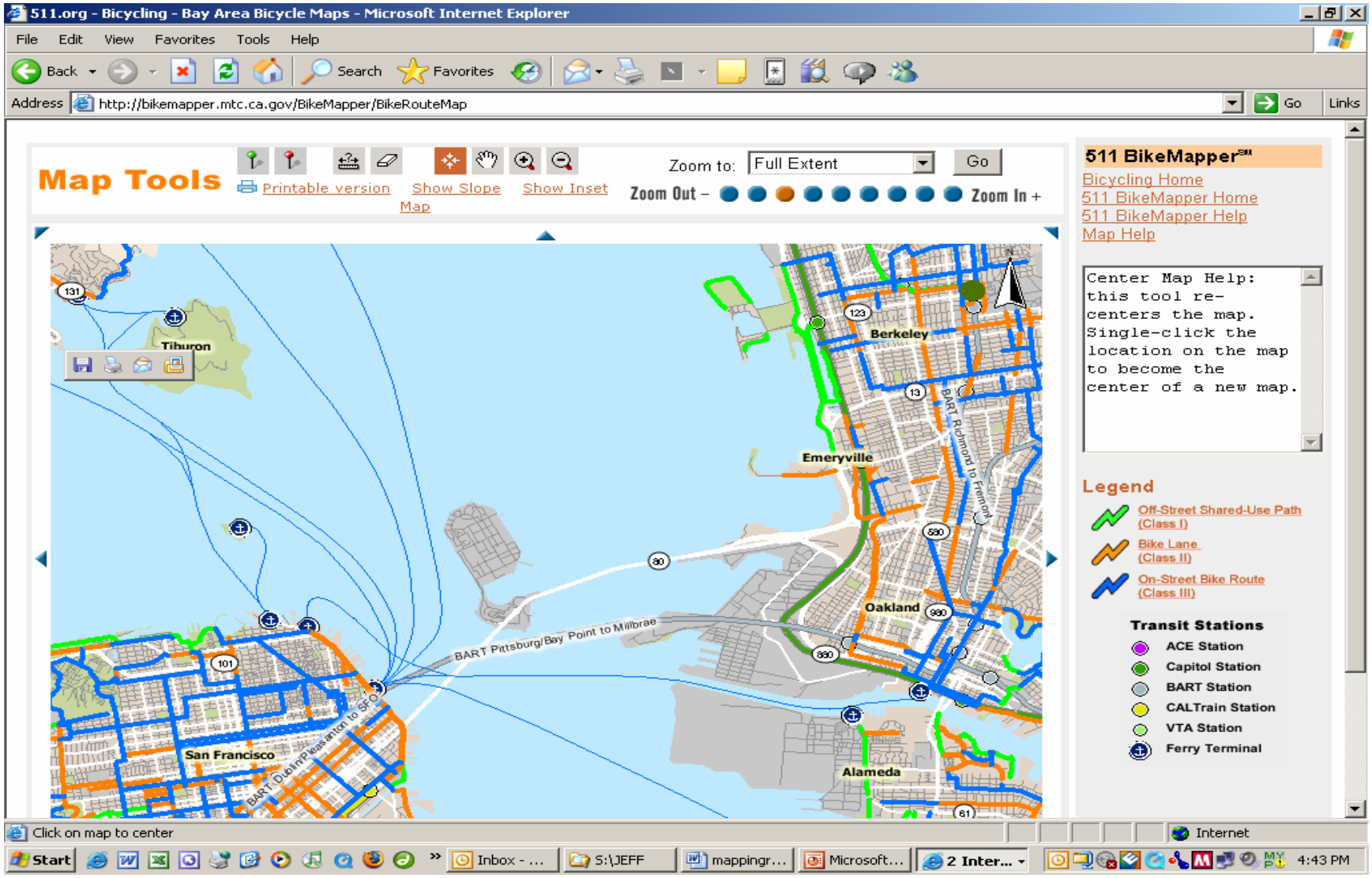
Bicycling.511.org BikeMapper

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Legend
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Bike Lane (Class II)
On-Street Bike Route (Class III)
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VTA Station
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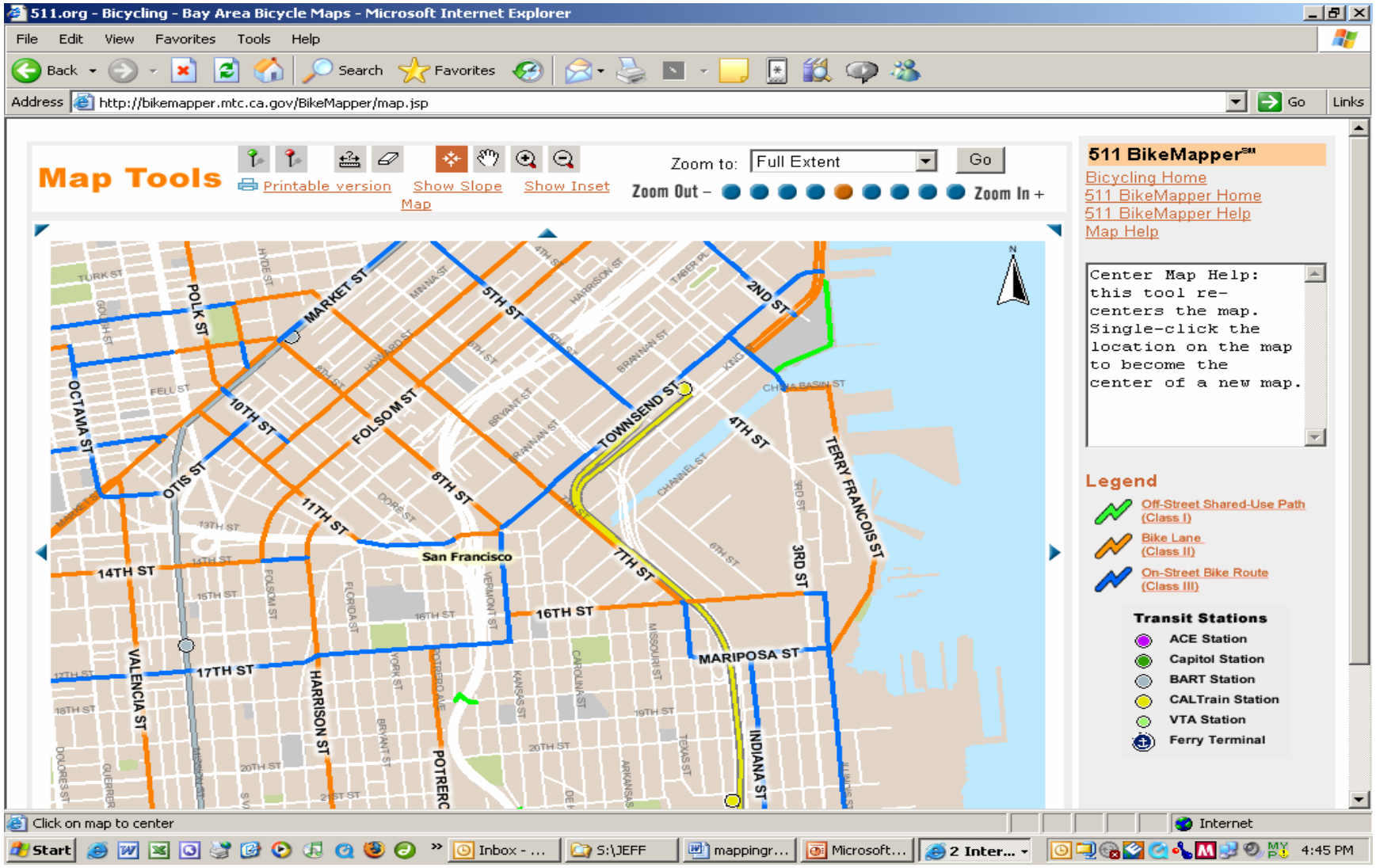
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Map Help
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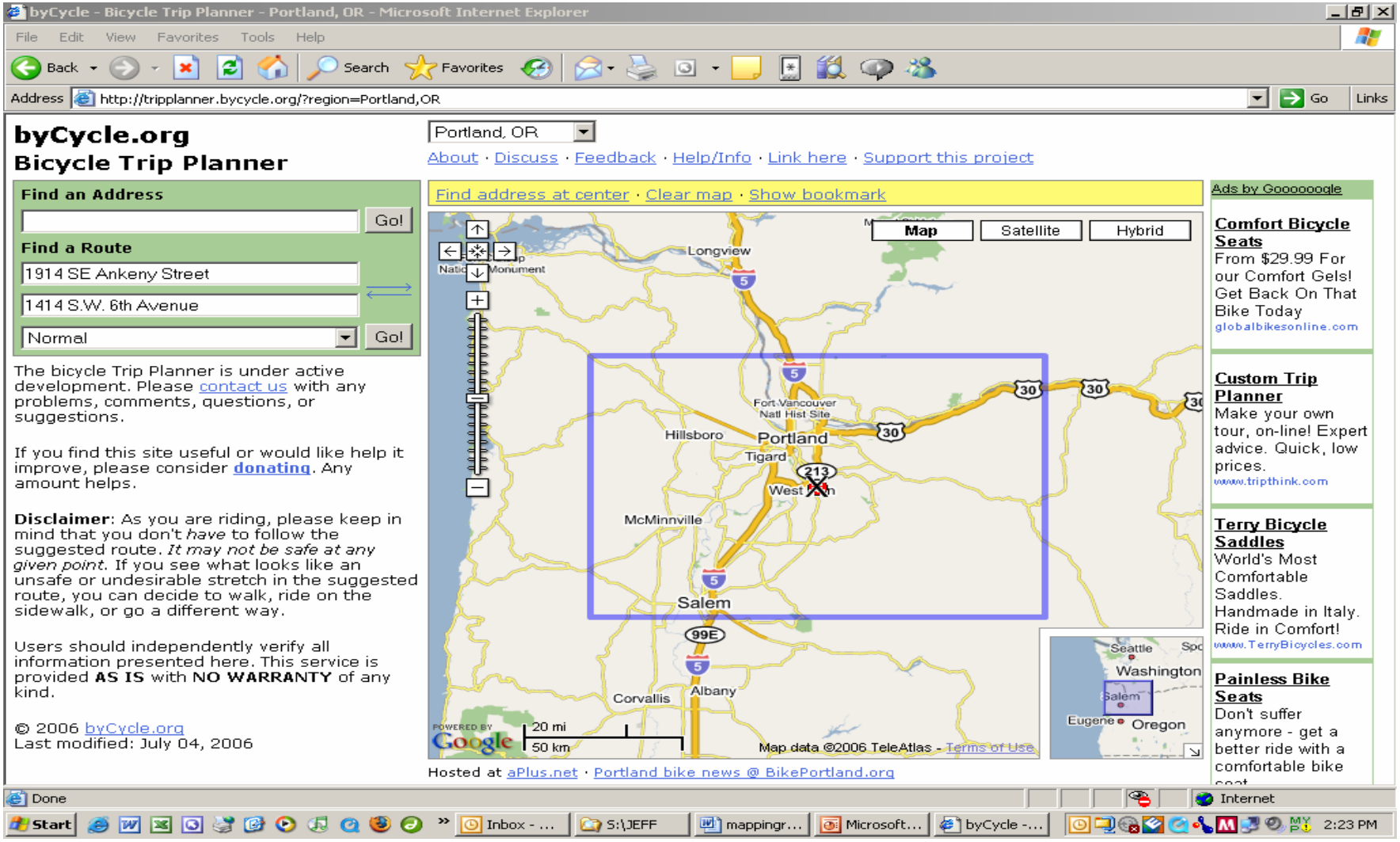

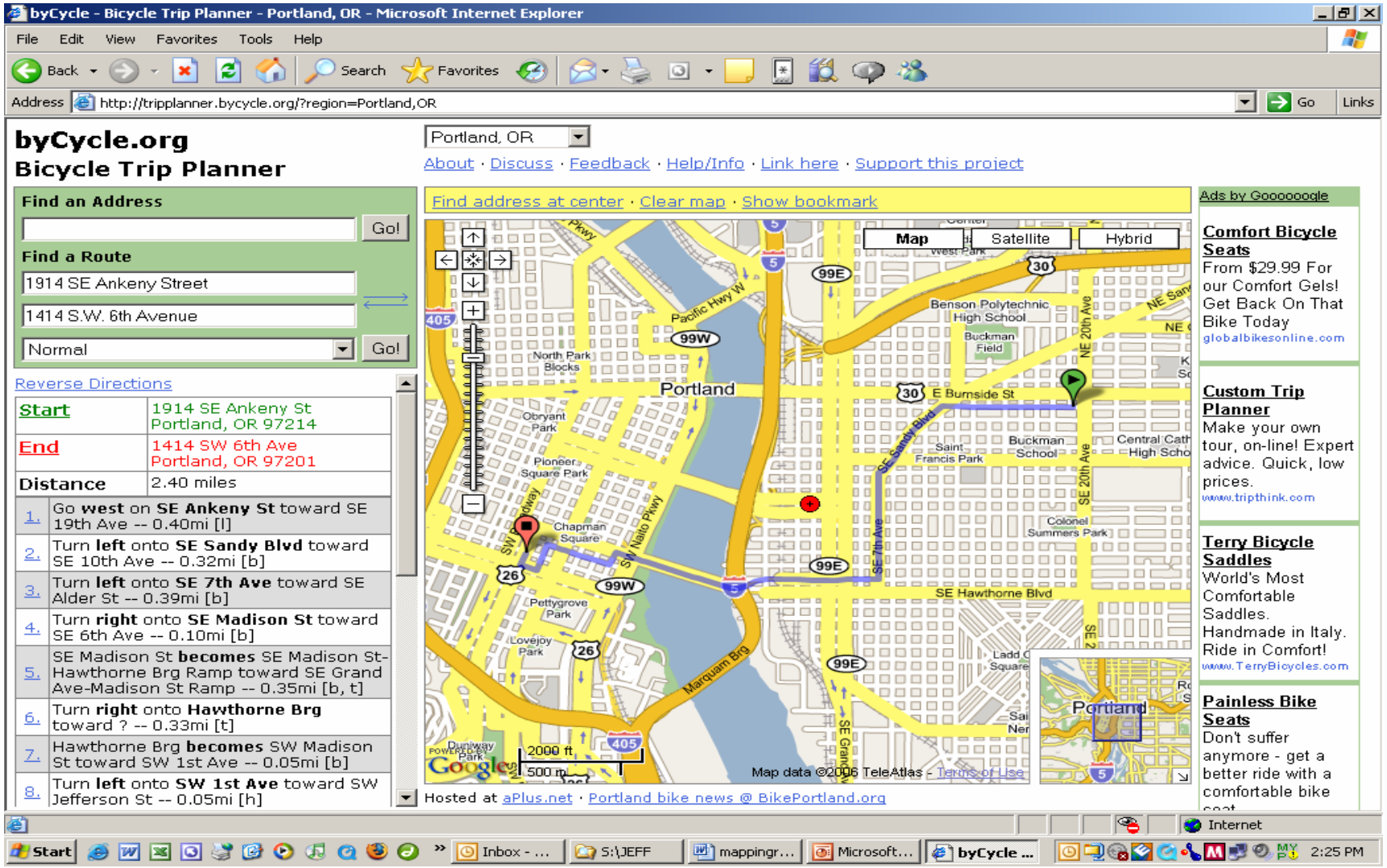
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1914 SE Ankeny Street
1414 S.W. 6th Avenue
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Reverse Directions
Start 1914 SE Ankeny St Portland, OR 97214
End 1414 SW 6th Ave Portland, OR 97201
Distance 2.40 miles
1. Go west on SE Ankeny St toward SE 19th Ave -- 0.40mi [l]
2. Turn left onto SE Sandy Blvd toward SE 10th Ave -- 0.32mi [b]
3. Turn left onto SE 7th Ave toward SE Alder St -- 0.39mi [b]
4. Turn right onto SE Madison St toward SE 6th Ave -- 0.10mi [b]
5. SE Madison St becomes SE Madison St-Hawthorne Brg Ramp toward SE Grand Ave-Madison St Ramp -- 0.35mi [b, t]
6. Turn right onto Hawthorne Brg toward ? -- 0.33mi [t]
7. Hawthorne Brg becomes SW Madison St toward SW 1st Ave -- 0.05mi [b]
8. Turn left onto SW 1st Ave toward SW Jefferson St -- 0.05mi [h]
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Pioneer Square Park
Chapman Square
Pettygrove Park
Lovejoy Park
Ladd Square
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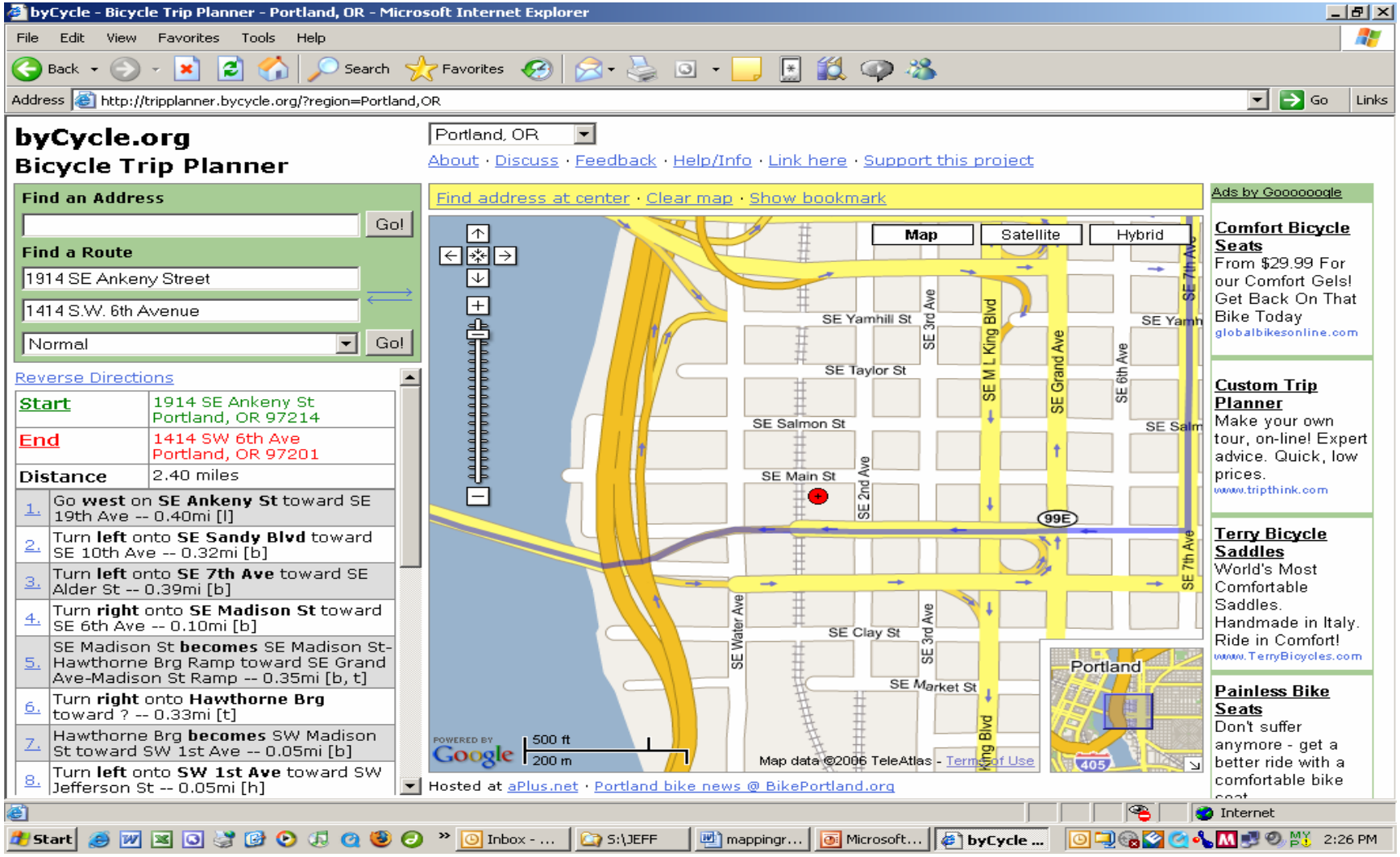
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1414 S.W. 6th Avenue

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8.	Turn **left** onto **SW 1st Ave** toward SW Jefferson St -- 0.05mi [h]
9.	Turn **right** onto **SW Jefferson St** toward SW 2nd Ave -- 0.21mi [b]
10.	Turn **left** onto **SW 5th Ave** toward SW Columbia St -- 0.10mi
11.	Turn **right** onto **SW Clay St** toward SW 6th Ave -- 0.05mi
12.	Turn **right** onto **SW 6th Ave** toward 1414 SW 6th Ave -- 0.04mi [h]
13.	**End** at **1414 SW 6th Ave**

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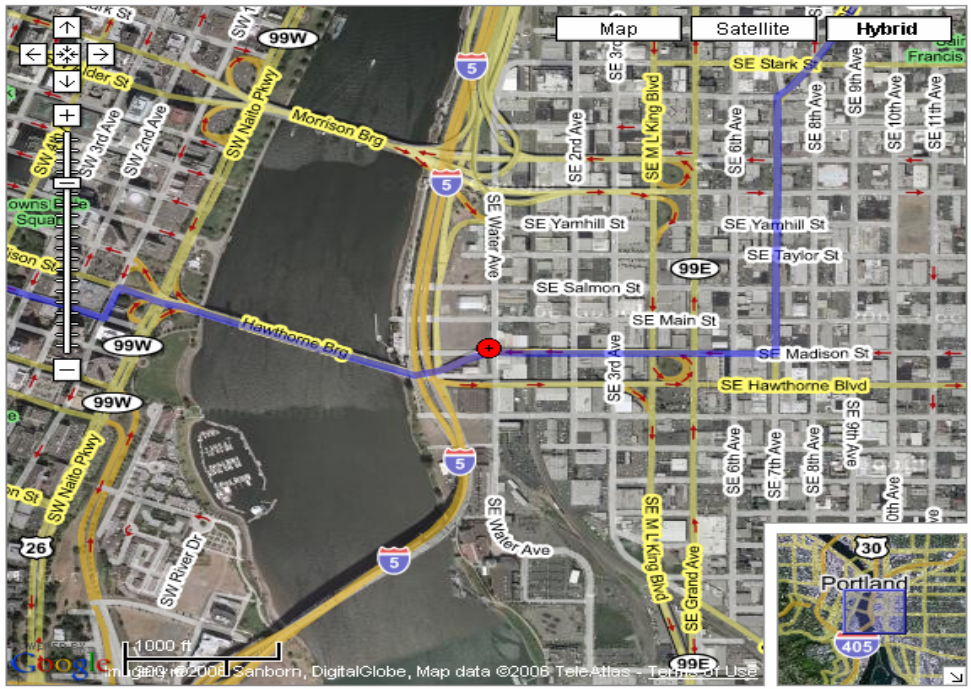

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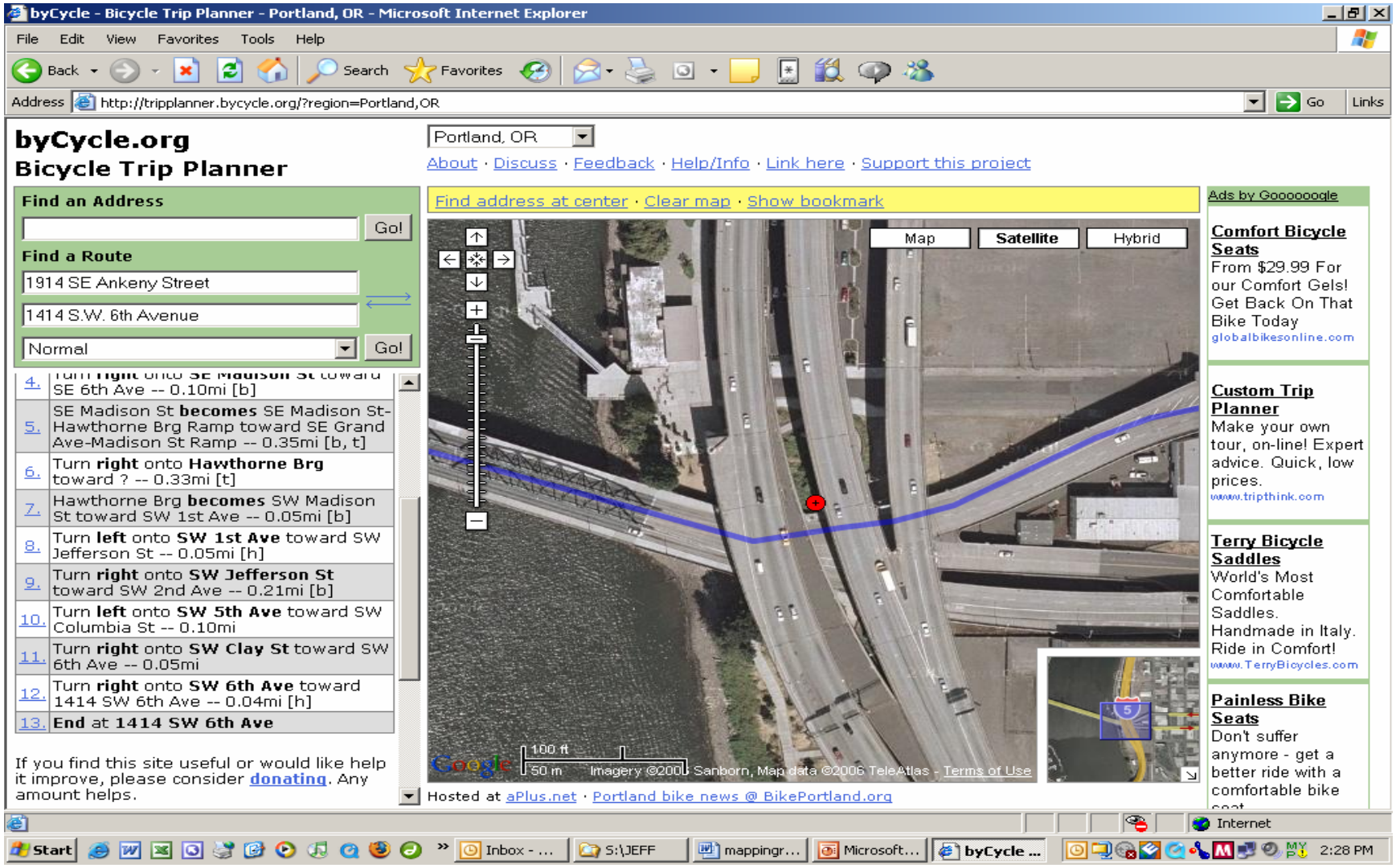
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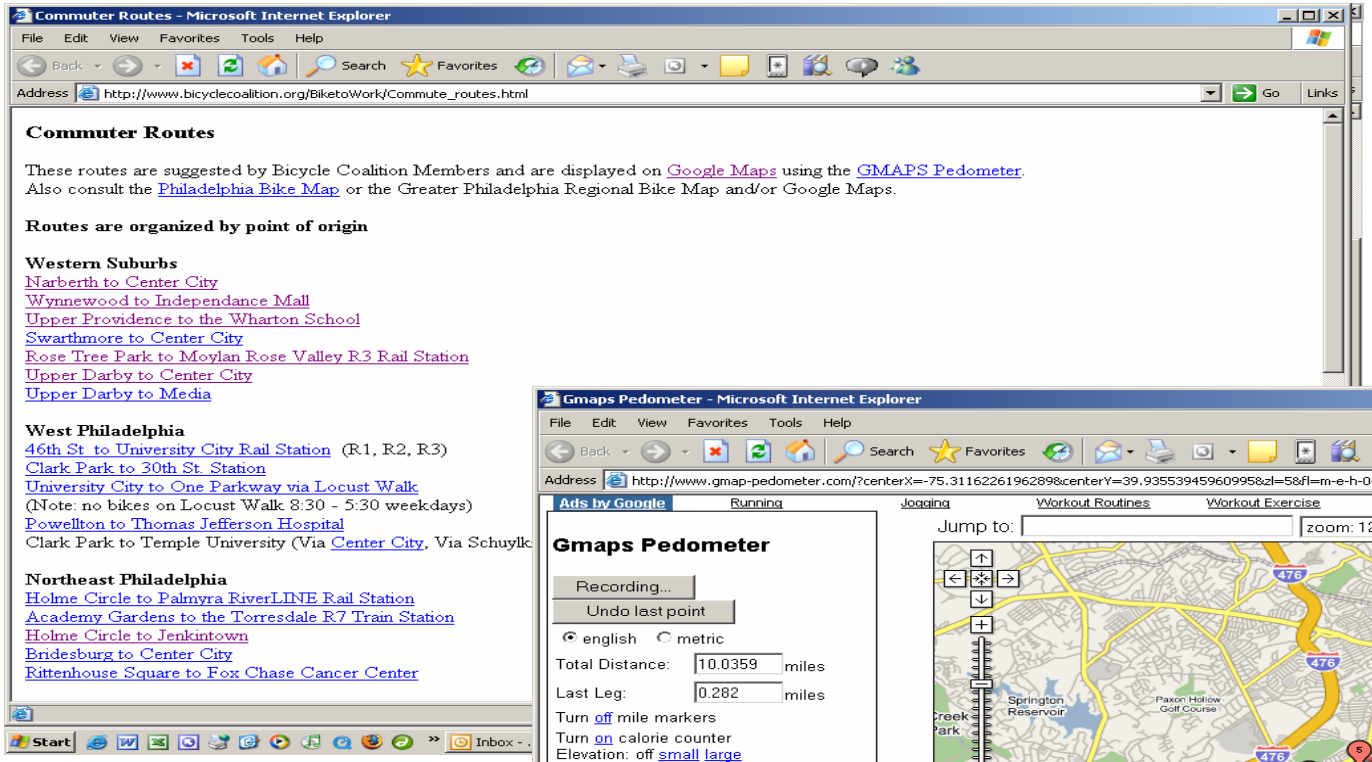
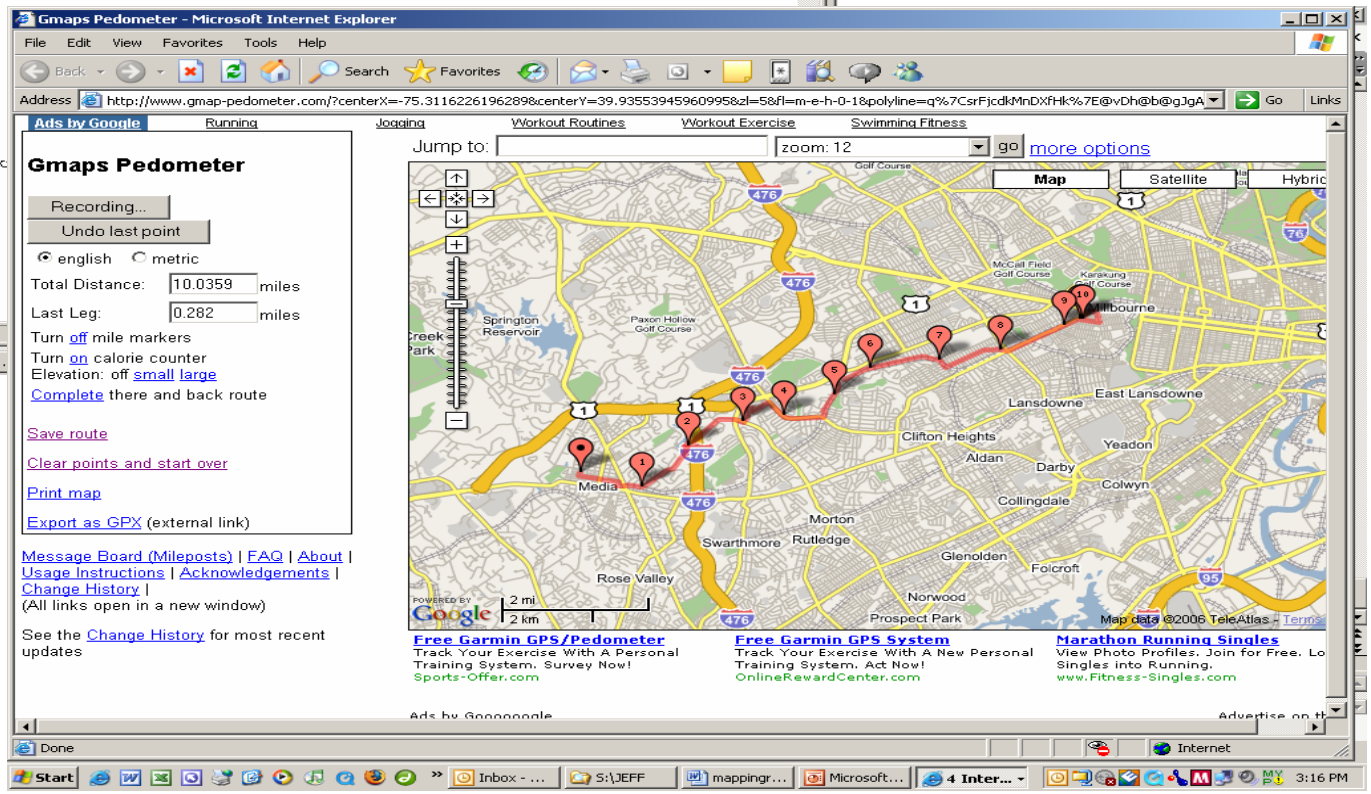
Other potential uses of Google Map platform

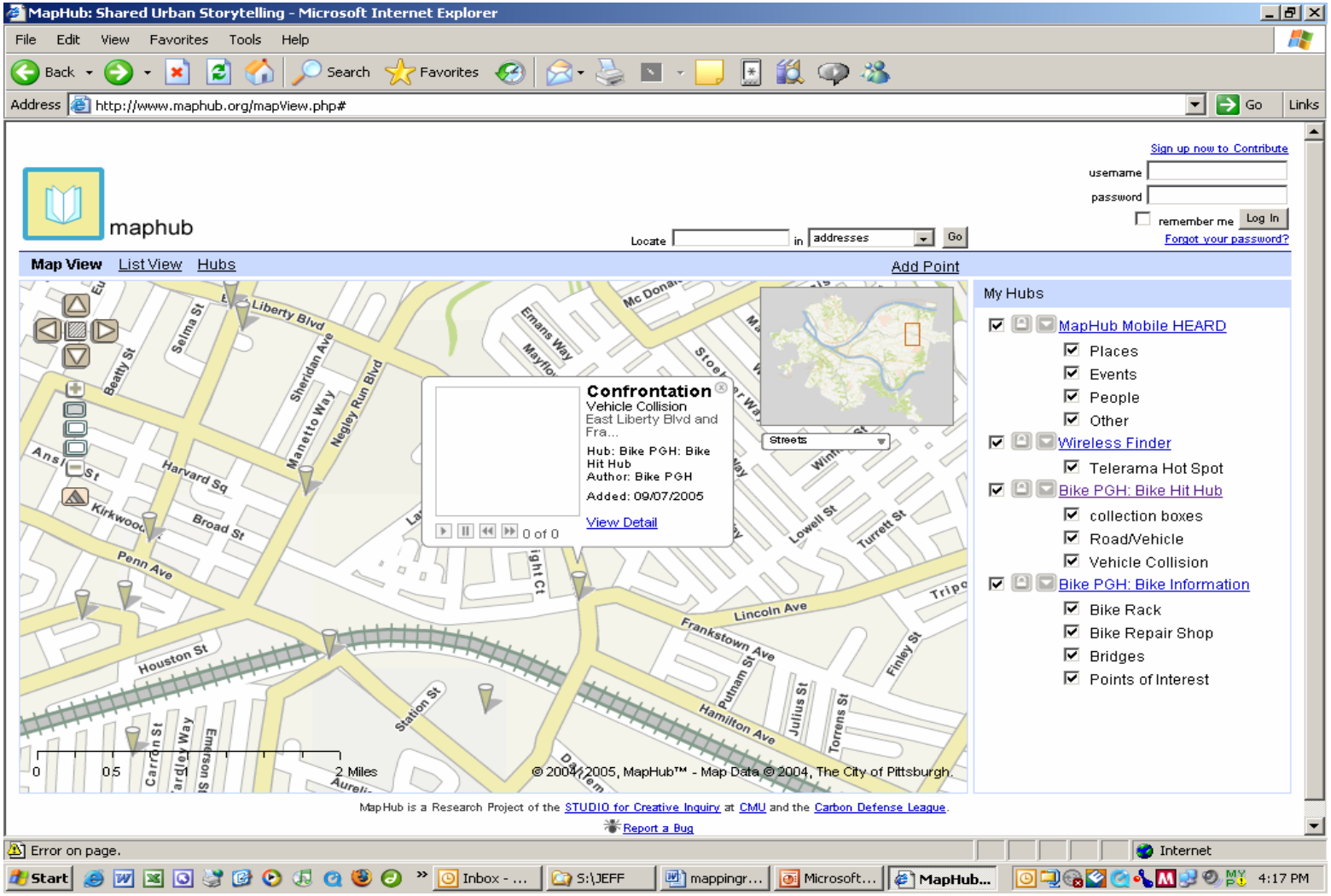
Listings of popular commuter routes





crash reporting, stolen bikes, bike racks, etc.

Maphub.com



WABA's Recommendation

- **ByCycle.org Trip Planner**

  Cost effective- $500-$2000 initial set-up; $500-$1000 monthly maintenance

  Uses popular interface- Google Maps is already widely used for car trip mapping, pedometer, Google Earth and allows for plotting of information beyond routes

  Other cities are already using it- with Portland, Milwaukee and Pittsburgh already using Trip Planner, with other cities soon to be added, the system is easily recognizable and navigated by new residents to the region along with our many visitors