SACOG
Online Bicycle Trip Planner

Sacramento Area Council of Governments
1415 L St, Sacramento, CA 95814
http://www.sacog.org
Introduction

The Sacramento Area Council of Governments (SACOG) is an association of local governments in the six-county Sacramento Region.

Transportation funding role

Metropolitan Transportation Plan (MTP)

Bicycle and Pedestrian Master Plan

Transportation Demand Management (TDM) Role

May is Bike Month

CMAQ grant to Bike and Ped Committee to promote cycling for all reasons

Why build a bicycle routing solution?

Google vs. local data

Sacramento Metropolitan Area
Application Requirements

► Current street and bikeway facilities from local jurisdictions
  - Class I = Bicycle or pedestrian only trail
  - Class II = Street with striping designating a bike lane
  - Class III = Bike route indicated with signage
  - Class IV = "preferred" roads recommended by bikers

► Control of changes to bikeways, take user input and change the underlying data model

► Detour routing (example)

► Simple to use

► Phone browser compatible
Technical Solution

- Google maps mash-up
- Javascript
- ArcGIS Server
- Network Analyst
Demo

http://www.sacregion511.org/bicycling/trips/
Challenges

- Obtaining correct and up to date information
- GIS staff do not maintain bike routes (usually planners or engineers)
- Lack of named Class I bike paths creates confusion when providing directions (e.g., Bike/Ped Path Only vs. American River Bike Trail)
- Phone applications – too many operating systems for small agency to develop (e.g., iPhone, Android, etc.)
- Google data model
  - Crowd sourcing
  - Data sharing and correcting
Future Plans

- Naming Class I bike paths
- Maintenance Application using mark-up technology on the web
- Annual or biannual data updates?
- Seek $$$ for mobile apps
- Better relationship with Google to move data to their servers?
  - Open line of communication from the public on road conditions and preferred routes
  - Regular updates
Resources

► ESRI

- http://resources.arcgis.com/content/arcgis-api-javascript

► Google

- http://code.google.com/apis/maps/
Questions

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