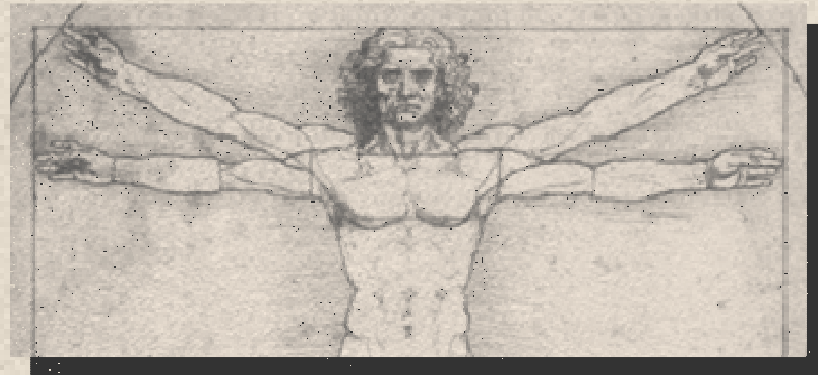


Health Impact Assessments and Other Planning and Design Tools

Chris Danley, Principal Vitruvian Planning

Vitruvian Planning
Bridging Health and Mobility



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Topics

- Health Impact Assessment Process
- Activity Connection Plan
- Health and Prioritization
- Simple Solutions

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Health Impact Assessments

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Ask yourself:...

1. What are the health impacts of these projects?
2. What would you suggest as changes?



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Health Impact Assessment: What is it

“a combination of procedures, methods, and tools by which policy or project may be judged as to its potential effects on the health of the population, and the distribution of those effects within the population.”

-Essentially, an extension of the EIS process

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Types of HIA

Rapid: Brief investigation, exchange existing knowledge, carried out quickly

Intermediate: Detailed investigation. Reviews from community/environmental assessments

Comprehensive: Intense investigation, review evidence and analysis, community based collaboration

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Health Impact Assessment- How it's conducted

Steps include:

Screening- determine whether an HIA should be conducted

Scoping- determine all boundaries, issues to be analyzed, and methods and data used

Assessment- identify the positive and negative health impacts of the proposal

Reporting- coherent, usable synthesis of findings from the analysis

Monitoring- tracking decisions and implementation effects

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Example of Data Sources

- Census
- Department Of Education
- Behavioral Risk Factor Surveillance System
- Select Metro/Micro Area Risk Trends (SMART)
- National Household Transportation Survey
- State Department of Health Services

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HIA- Example of Findings

Qualitative- Building a sidewalk will increase walking in the area and improve community health

Quantitative- Building a 5 foot wide, 1/2 mile sidewalk within 500 houses, will result in 300 pedestrian trips per day, 20 minutes of activity and 500 average calories burned.

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Health Impact Assessment- Value it May Provide

Better evidence

- Show who and where impacts felt most
- Can strengthen or diminish support for final project
- Help communities decide on limited resources

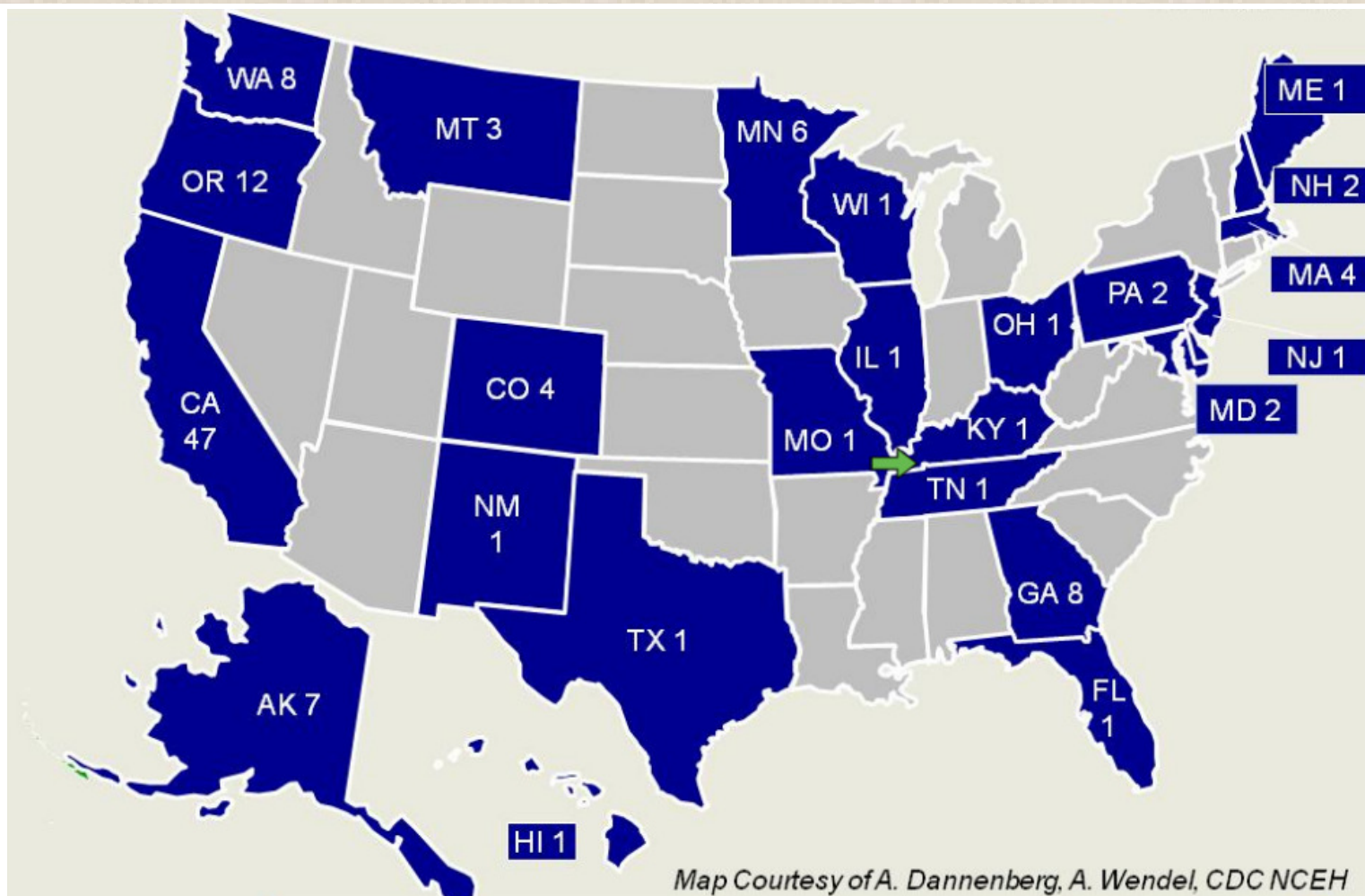
Engagement across disciplines

- transportation, land use, health, youth, housing, etc.

“Spillover” effect

- what else did the HIA uncover? Mitigation steps

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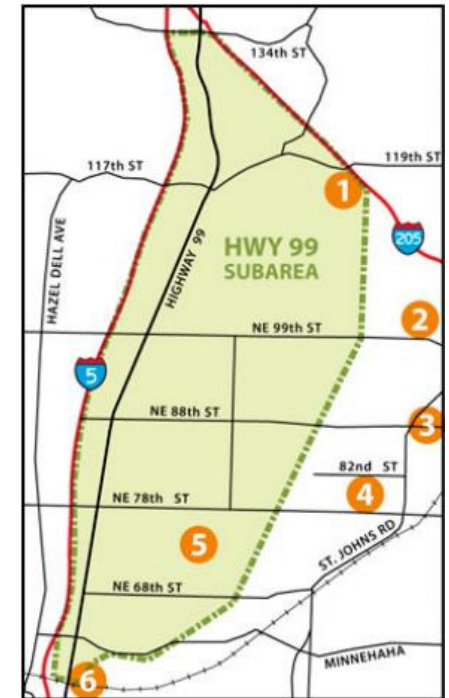
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HIA Mitigation Example

Highway 99 Sub Area Recommendations:

- Mitigate impacts of air pollution
- Improve access to parks
- Provide maximum bicycle safety features and bicycling incentives
- Improve walkability by developing a complete street network



But How??? HIA offshoot....Activity Connection Plan

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Activity Connection Plan

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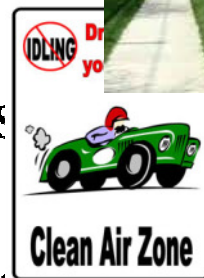
Activity Connection Plan- Concepts:

- I. ID public activity and recreation sites
- II. ID generator locations for users
- III. ID likely connections to and from
- IV. Determine stakeholders and evaluate planning documents
- V. Assess connections and sites then conduct needs evaluation
- VI. Develop CIP, roles and responsibilities, and cost estimates

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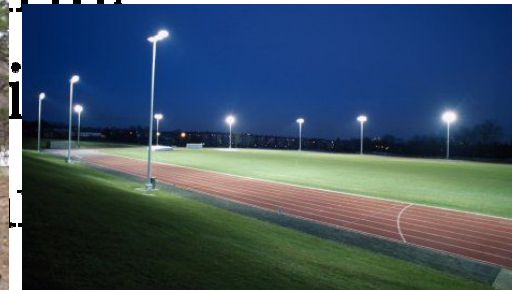
– Crosswalks



– Public art

– Running track lights

– Site sharing

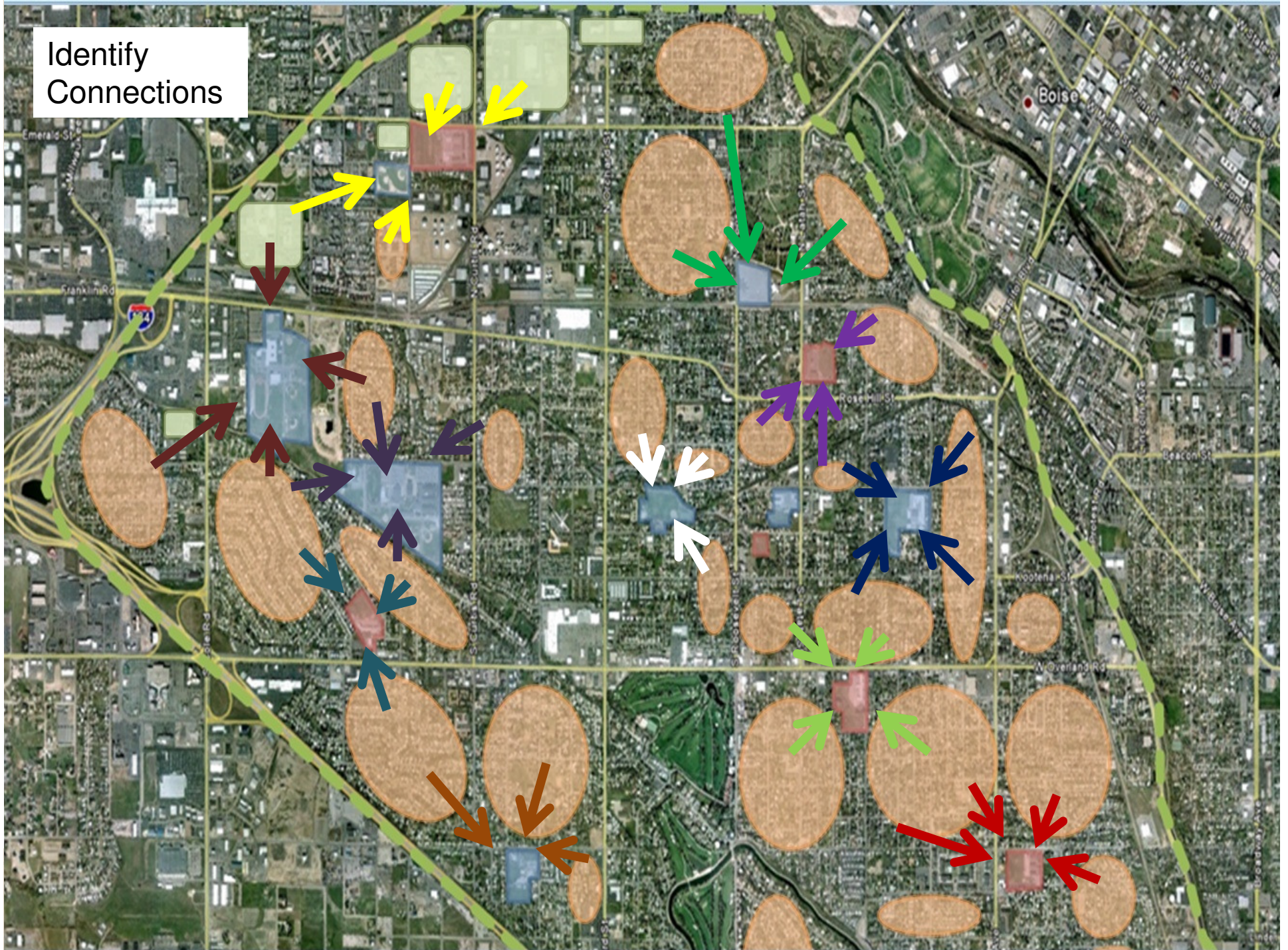


– Use agreements

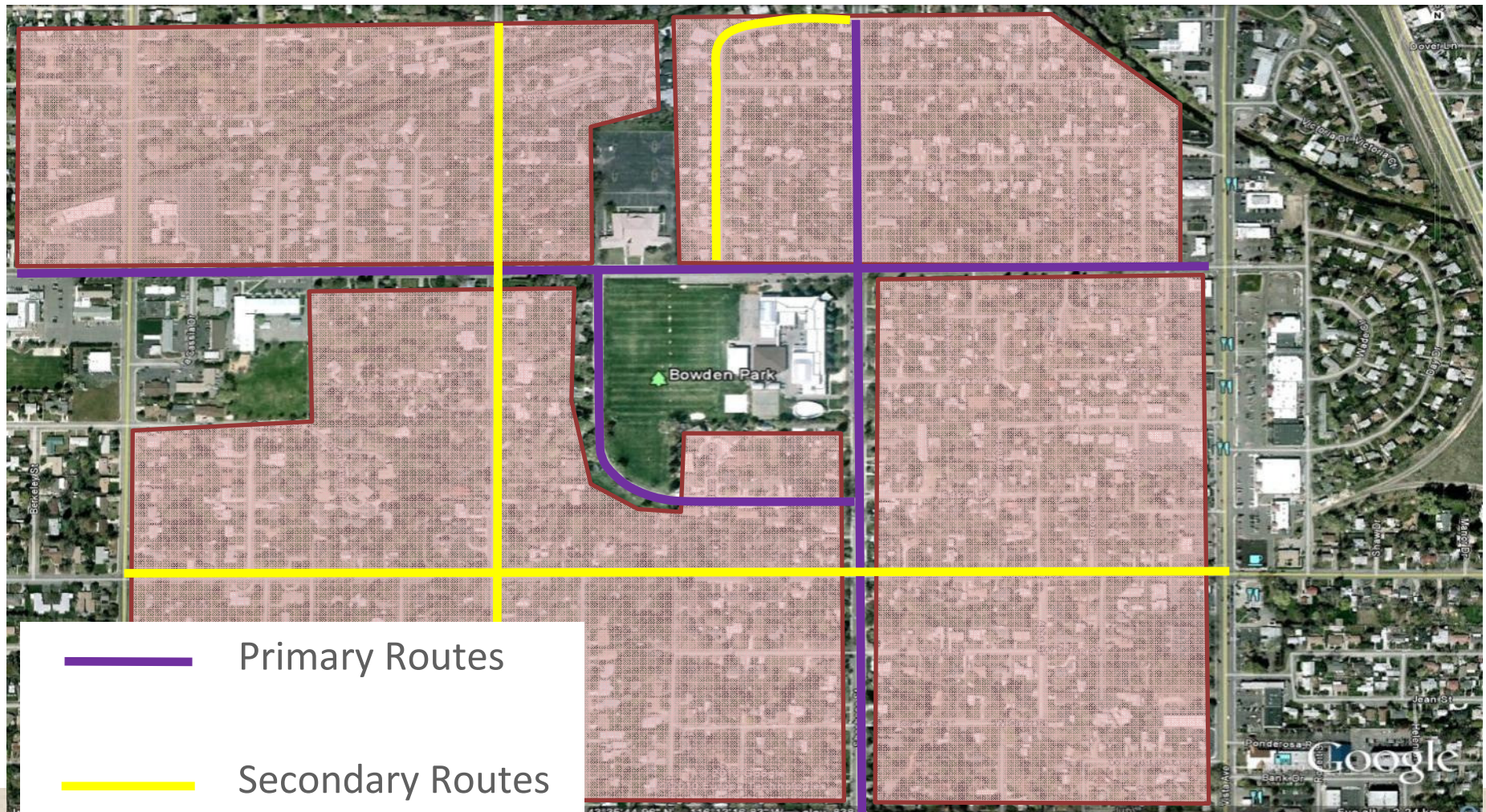
– Organized runs

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Identify
Connections



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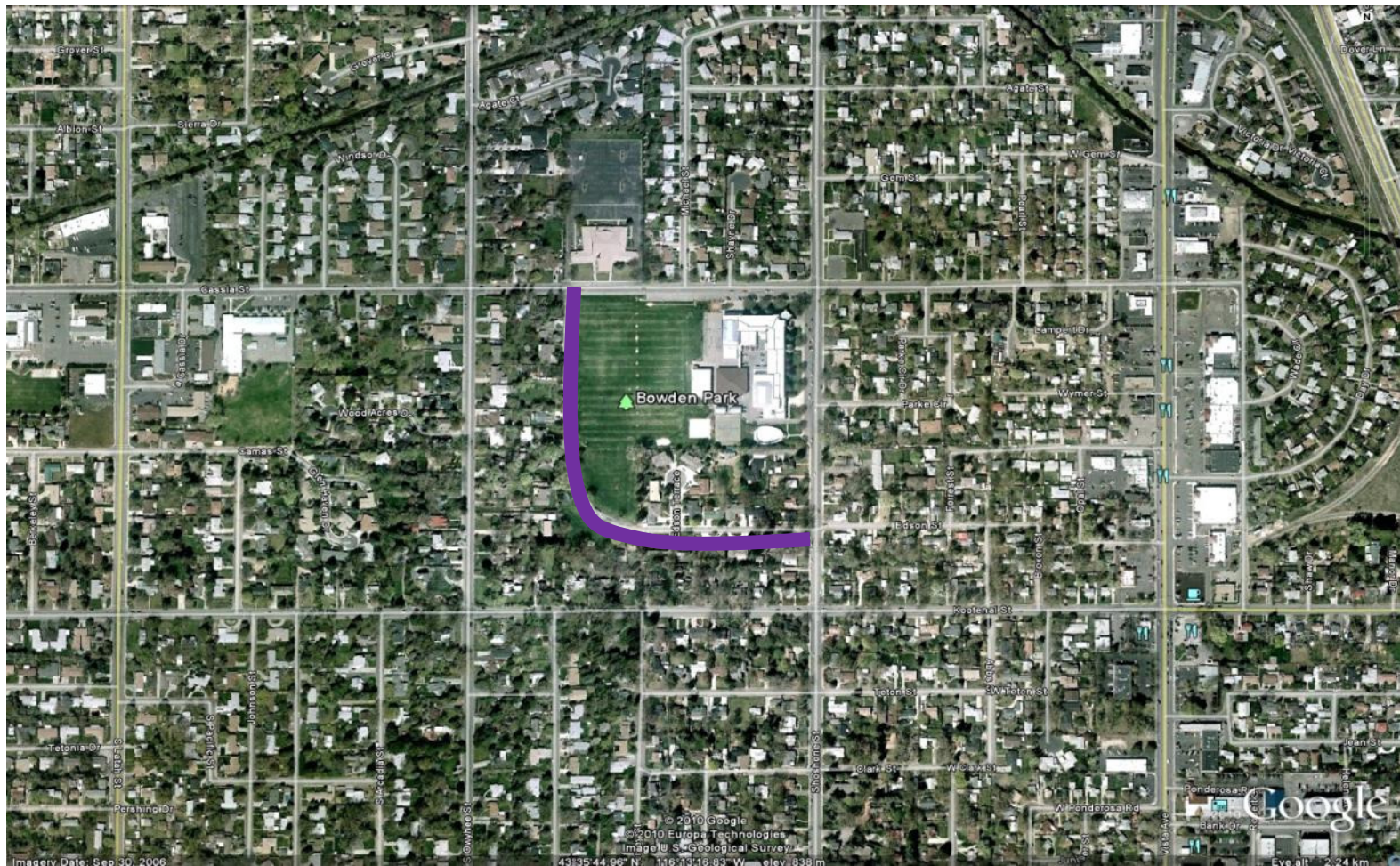
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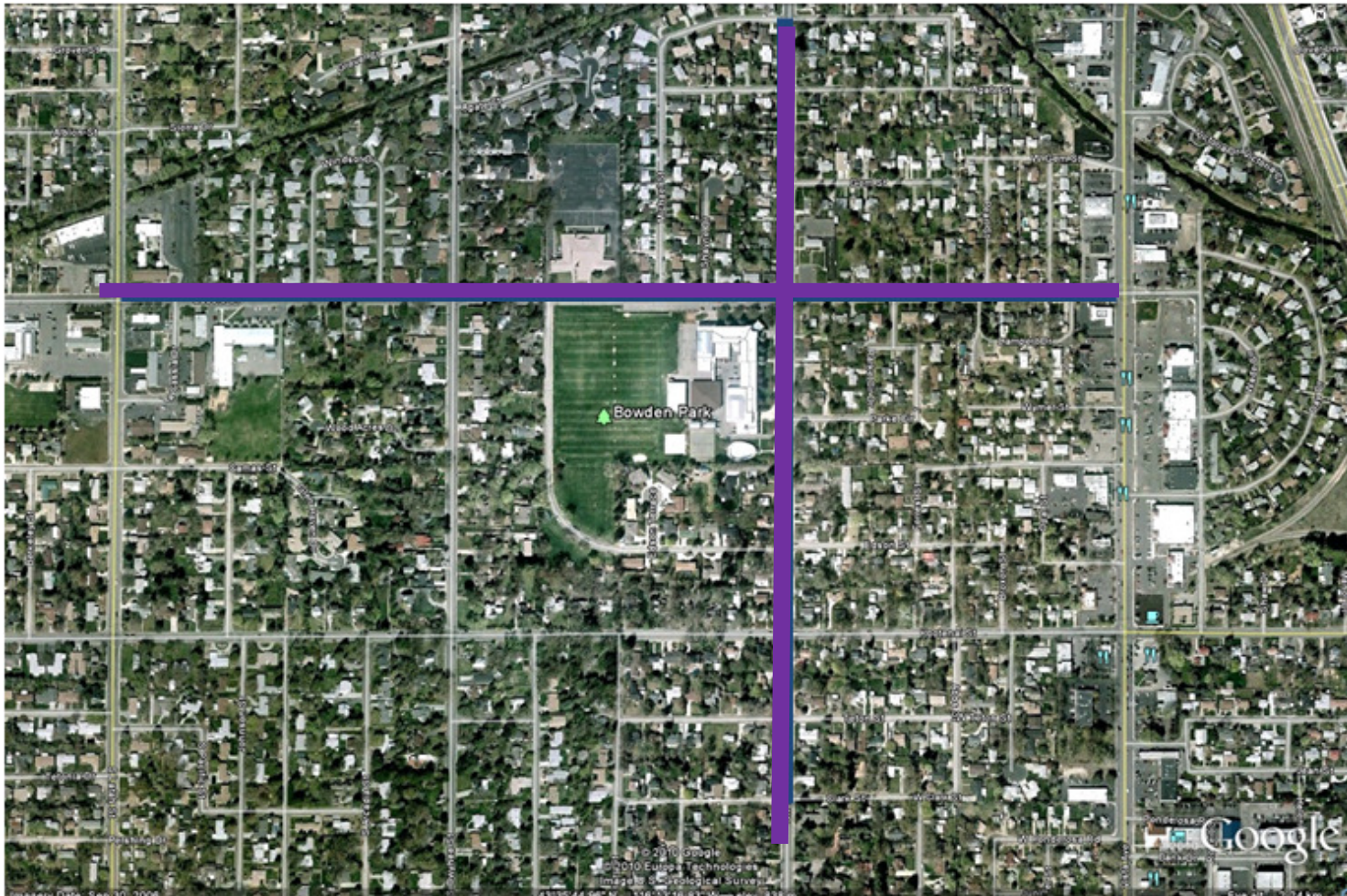
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Health and Prioritization

Develop community health profile (General)

Gather census tract data (Socio-economic)

Combine with activity sites (Hospitals, schools, parks, grocery)

Generate geographic overlay of all data

Identify hot spots of poor health and needed infrastructure investment

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Simple Solutions

- Repaving
- Restriping
- Temporary signage
- Flagging
- Minor Construction

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Simple:
with a little
construction,
paint, signage



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Mid-block
Crossing,
Bulb out



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Flagging, signage, texture...

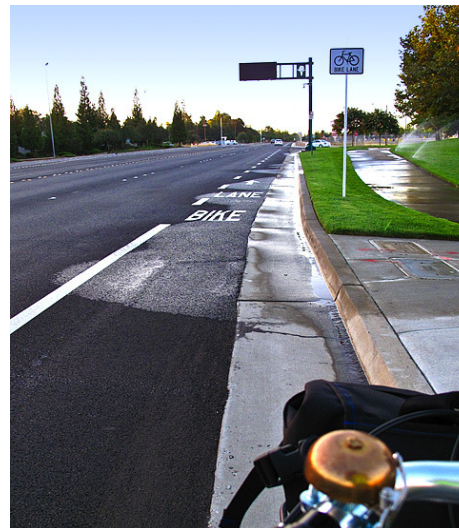
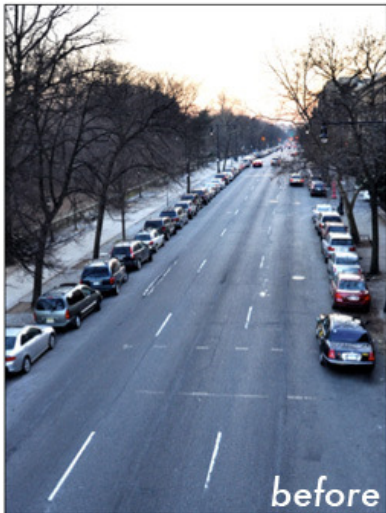


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Paint and repaving...

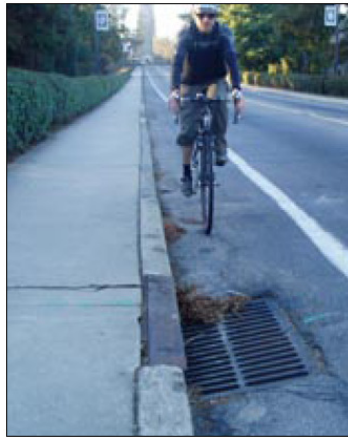


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Don't forget maintenance...



and promotion...



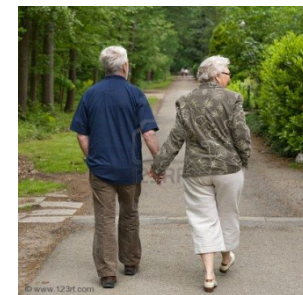
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What Health Considerations Strive For...

- Maximize use of public facilities
- Promote healthy living
- Low income opportunities
- Safety improvements
- Early to Elderly concept



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Improvements with Healthy Planning

- Activity ↑
- Health indicators ↑
- Home value ↑
- Motorist safety ↑
- ↑ quality of life
- ↑ air quality
- ↑ return of public facility investment

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Contact Information
Chris Danley
cdanley@vitruvianplanning.com
208-570-3561

[Activity Link](#)