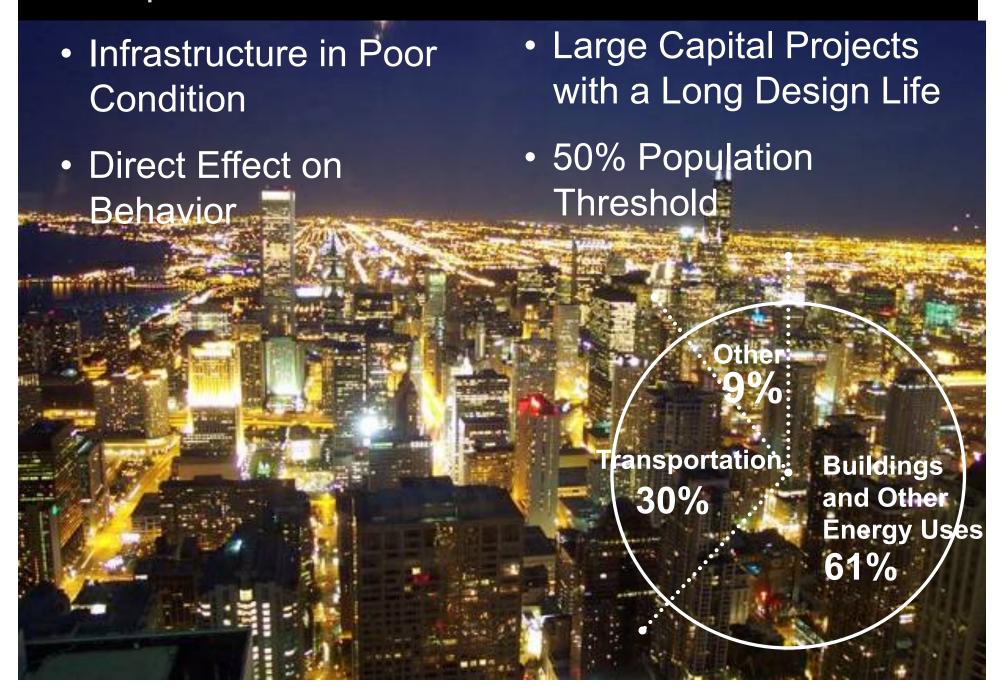


Transportation Infrastructure and Cities



Public Space

Public Right - Public Space



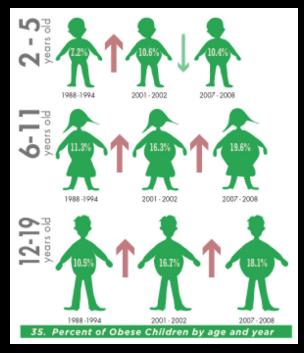






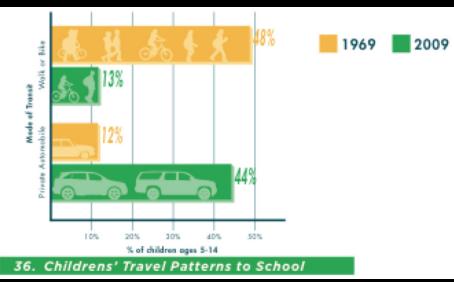


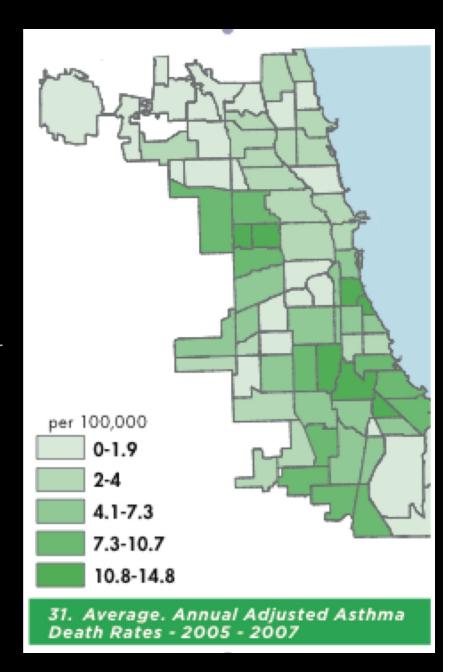
Public Health



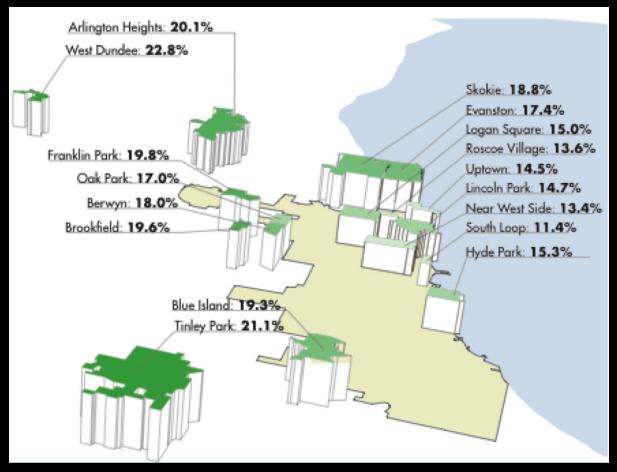
•obesity cost the state more than \$700 million every year and cost individuals an additional \$1,429 annually — 42% more than normal weight persons.

-Illinois Cardio Vascular Task Force, June 2000



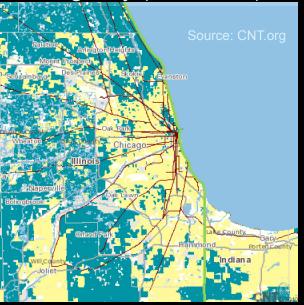


Housing and Transportation Costs

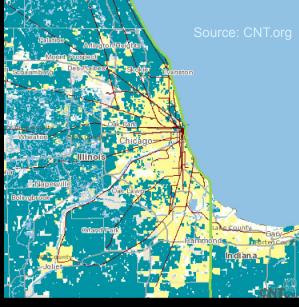


Percent of Average, Median Household Income Spent on Transportation by Neighborhood

Housing only (% income)



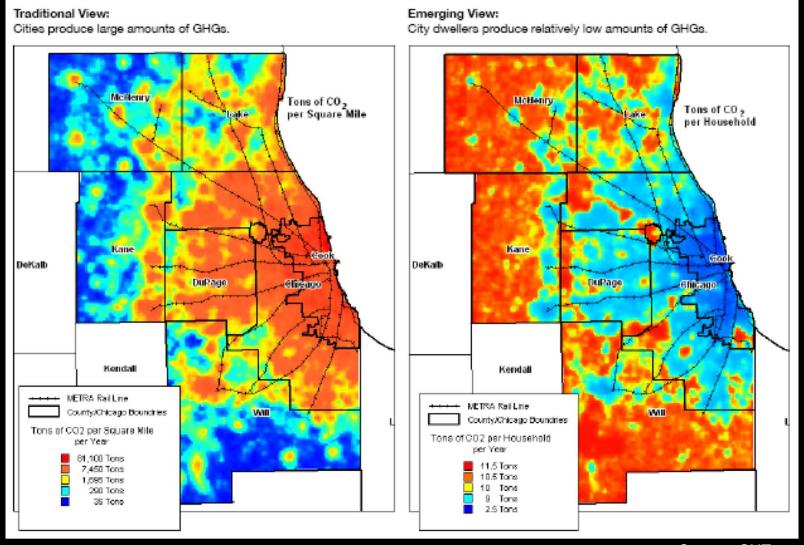
Housing + transportation



Carbon Emissions and Transportation

Two Views of Cities and CO₂

CO2 Generated by Automobiles in the Chicago Region per Year



Source: CNT.org

Old Fashioned and New Fashioned Sustainability









Public Space = Public right of Way = 23% of land area



Accommodate the needs of ALL users in a limited amount of space

Minimize impact on land, air and water resources

Streetscape and Sustainable Design Program Goals

Support Economic Development

Improve Public Safety and Public Health

Enhance Quality of Life and Sense of Place

Upgrade Infrastructure

Be Multi-modal and Transit Friendly

Incorporate Sustainable Best Practices

Ensure Maintainability

Be Beautiful

....and cost less.





So How Do We Achieve This?

- Work Closely with Sister Agencies, Fellow Departments, & IDOT
- Establish Guiding Documents:
 - Fast Forward Chicago
 - Streetscape Design Guidelines
 - Complete Streets Design Guidelines
 - Sustainable Design Guidelines
 - Pedestrian Plan
 - GoTo 2040 Bike Plan
- Public/Private Partnerships
 - Community Organizations
- Design for the 21st Century
 - Advance New Technologies
 - Drive New Material Development
 - Digital Public Way





Partner with Utilities to Better Manage the Public Way

So How Do We Achieve This?

- -Balance safety, mobility, community and environmental goals in all projects
- -Involve the public and stakeholders early and continuously throughout the planning and project development process
- -Use an interdisciplinary team tailored to project needs
- -Address all modes of travel
- -Apply flexibility inherent in design standards
- -Incorporate aesthetics as an integral part of good design



Lincoln Square Neighborhood existing assets



Lincoln Square and Giddings Plaza













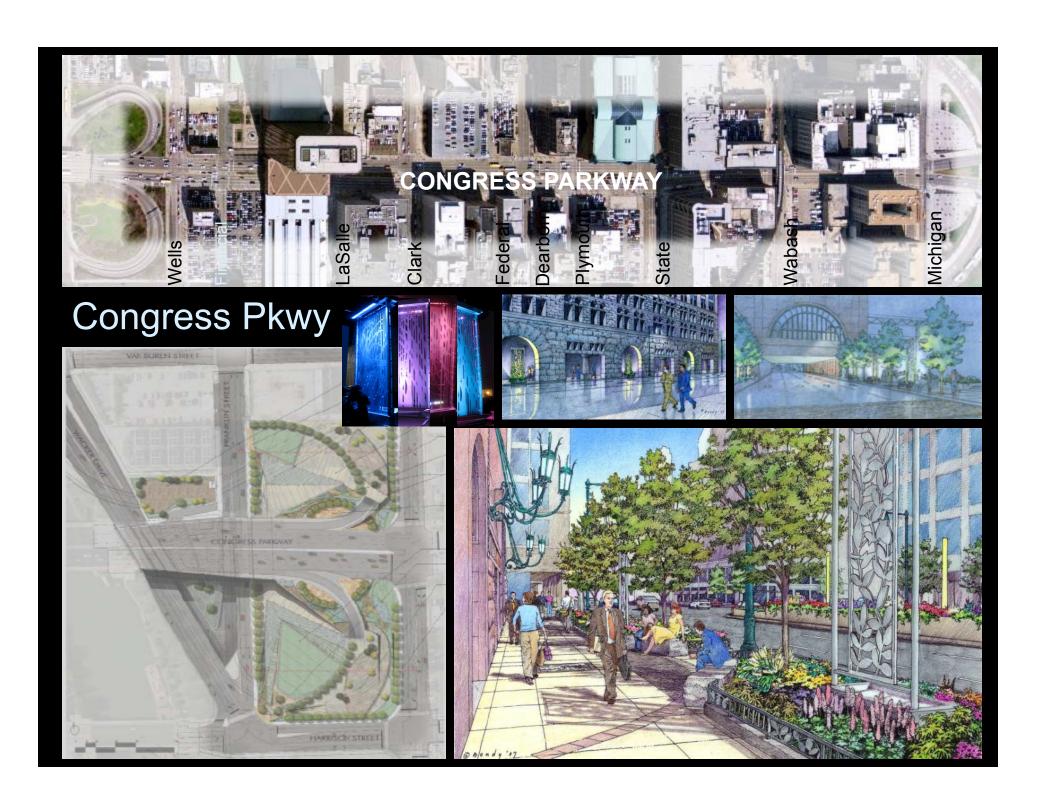


Streetscapes – Lawrence Avenue

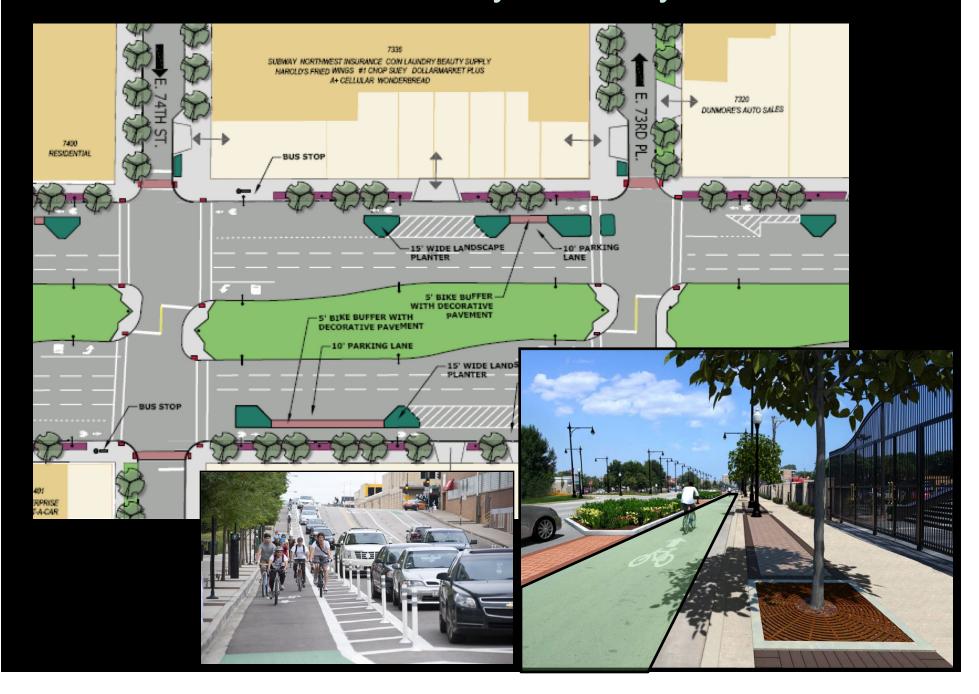


Streetscapes – Lawrence Avenue





Protected Bike Lanes – Stony Island Cycle Track



Make Way for People

People Spots

People Spots (aka: parklets, pop-up cafes) are platforms built in the parking lane next to sidewalks in neighborhoods with narrow sidewalks or high pedestrian volumes.









People Streets

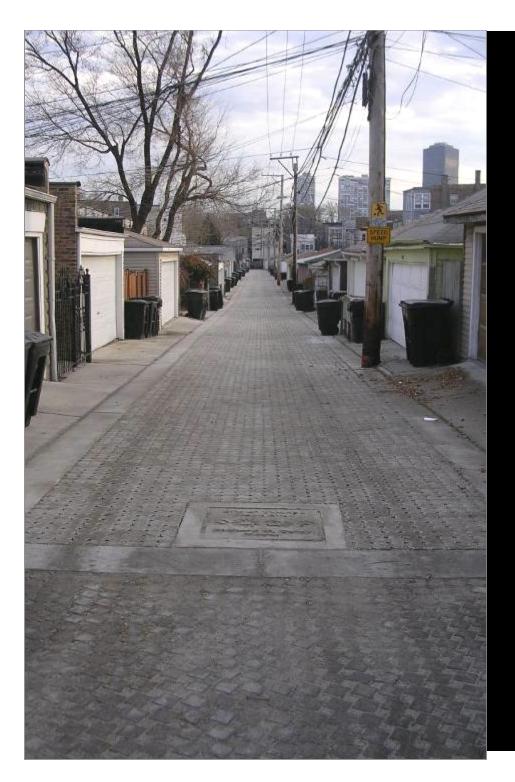
People Streets convert "excess" asphalt into hard-scape parks with the purpose of creating safer intersections and/or the addition of open space in neighborhoods with open space deficits.

People Plazas

People Plazas will activate existing CDOT Malls, Plazas and Triangles with the introduction of new programming and retail opportunities with private partners.

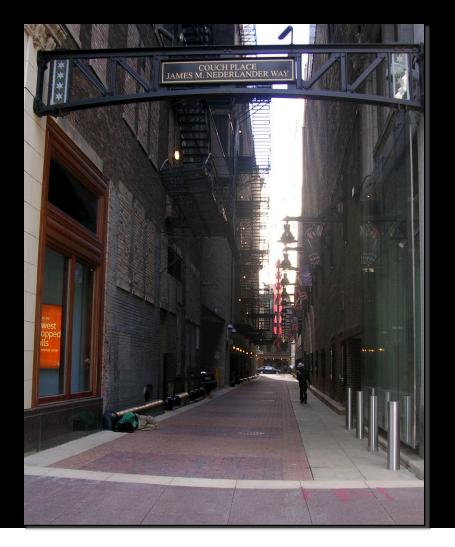






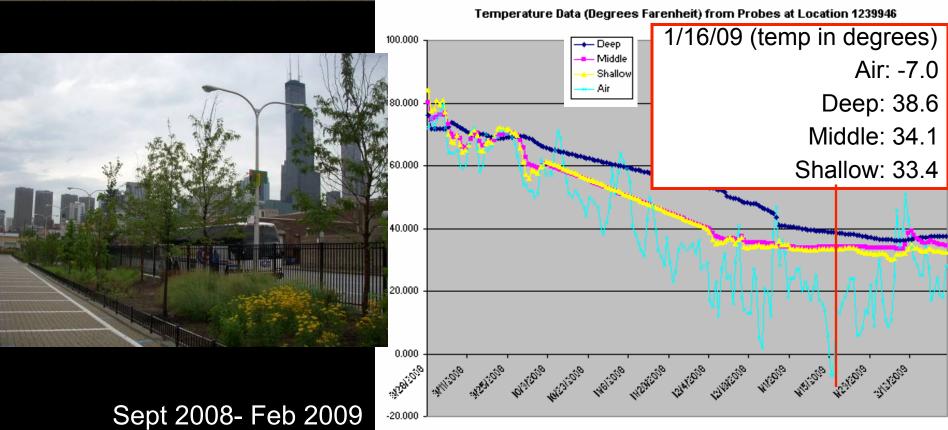
Green Alley Program

• 1,900 miles of public alleyways in Chicago, the largest of any city in the world.



Maxwell Street Permeable Market Plaza





Bloomingdale Trail











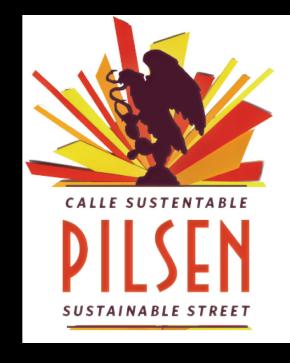
The Cermak / Blue Island Sustainable Streetscape

Stormwater Management

Water Efficiency

Transportation

Energy Efficiency





Recycling

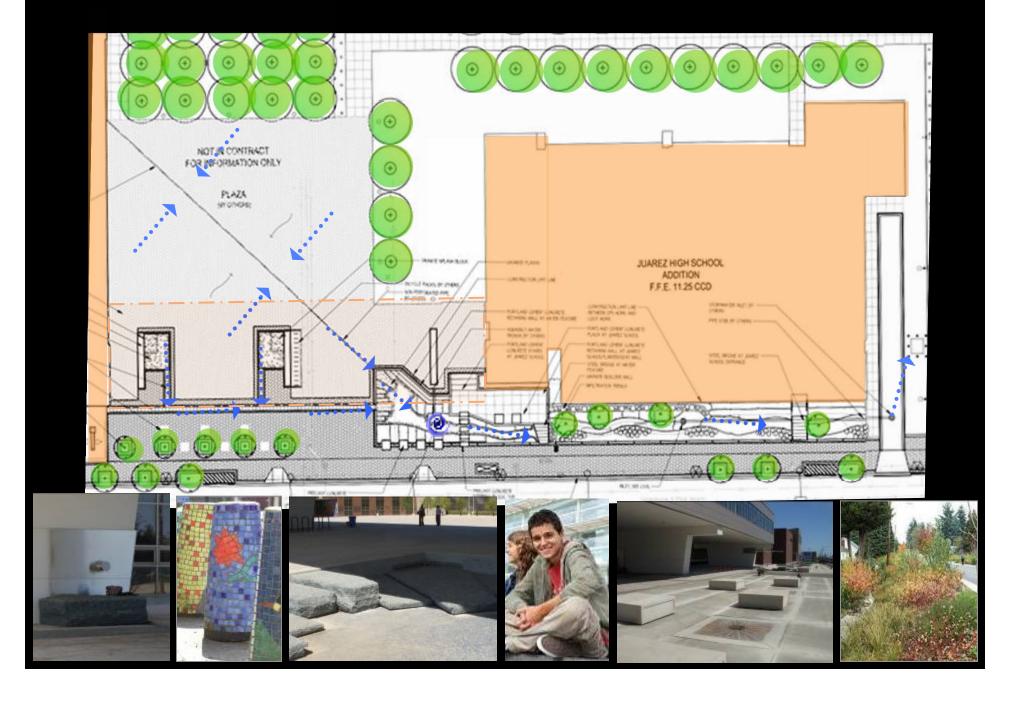
Urban Heat Island, Air Quality

Education,
Beauty &
Community

Commissioning

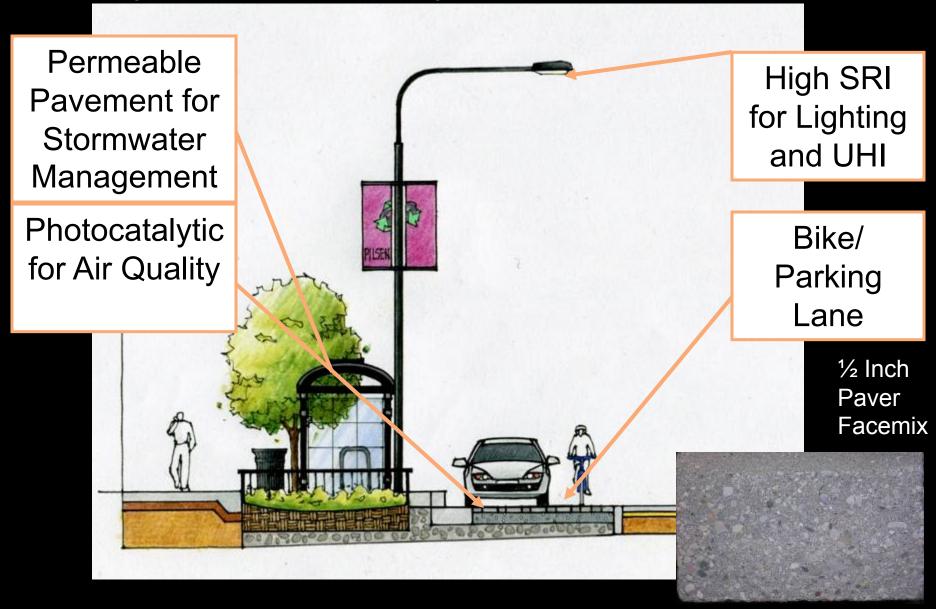


BENITO JUAREZ HIGH SCHOOL WATER FEATURE



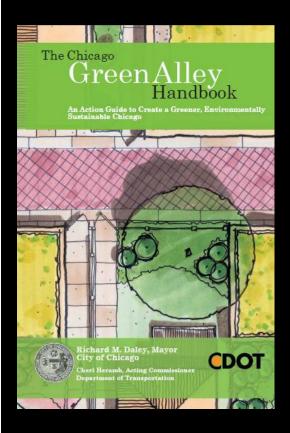
The Cermak / Blue Island Sustainable Streetscape

Integrated Infrastructure Design Example: Blue Island Cross-section



Education

People, especially children, can not be expected to maintain what they do not understand.







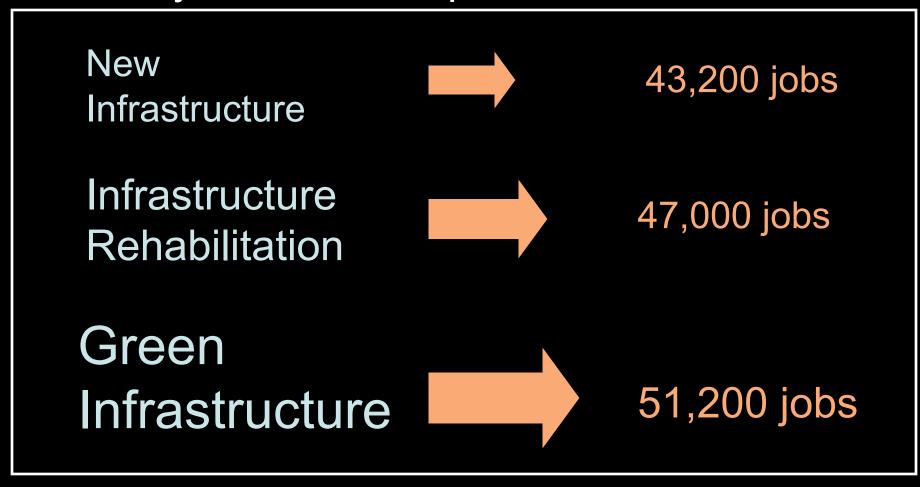


National and Local Rating Systems

CATEGORY	Design Strategy		Rating System			
			I-LAST Rating System (IDOT)	Green Roads Rating System	Sustainable Sites Initiative	LEED-ND
Planning	Identify Stakeholders and develop Stakeholders Involvement Plan		2			
	Engage Stakeholders to conduct Context Audit and develop project purpose		2			
	Involve Stakeholders to develop and evaluate alternatives		2		4	2
	Employ Stakeholder involvement techniques to achieve consensus for Preferred Project Alternative		2			
	Plan for Context Sensitive Solutions (CSS)			5		
TOTAL POINTS EARNED:			130	79	100	32
	POINTS POSSIBLE:		228	118	250	100
	Percentage % of possible points:		57%	67%	40%	32%
	, Ranking:	, ,	N/A	Evergreen (>60% of total)	One Star (Four Star possible)	(need 8 more Points to become "Certified")

Stimulating New Jobs and the Economy

For every 1.25 Billion spent...



Source: FHWA Jobs Decoder

Places for People: How Transportation Choices, Infill development and God City Design Can Reshape our Communities













Janet L. Attarian, AIA LEED AP | Project Director | janet.attarian@cityofchicago.org Streetscape and Sustainable Design Program | 312-744-5900