



# 2007 Minneapolis Bicycle Program Accomplishments

UNIVERSITY OF MISSISSIPPI

Williamson  
Hall

Transfer & International  
Administrative Instructional Center  
Bicycle

Jones Hall  
27

# Bicycle Advisory Committee 2007 Discussions

- Funding Strategies
- Bicycle Crash Reduction
- Strategic Planning
- Bicycle Advocacy
- Bicycle Detours
- Safe Routes to School
- Trail User Etiquette and Rules
- Creative Operations and Maintenance Solutions
- Cost-Effectiveness Criteria for Projects
- Non-Motorized Transportation Pilot Program
- Biking on Sidewalks
- Bike Bait Program
- Biking to the MSP Airport



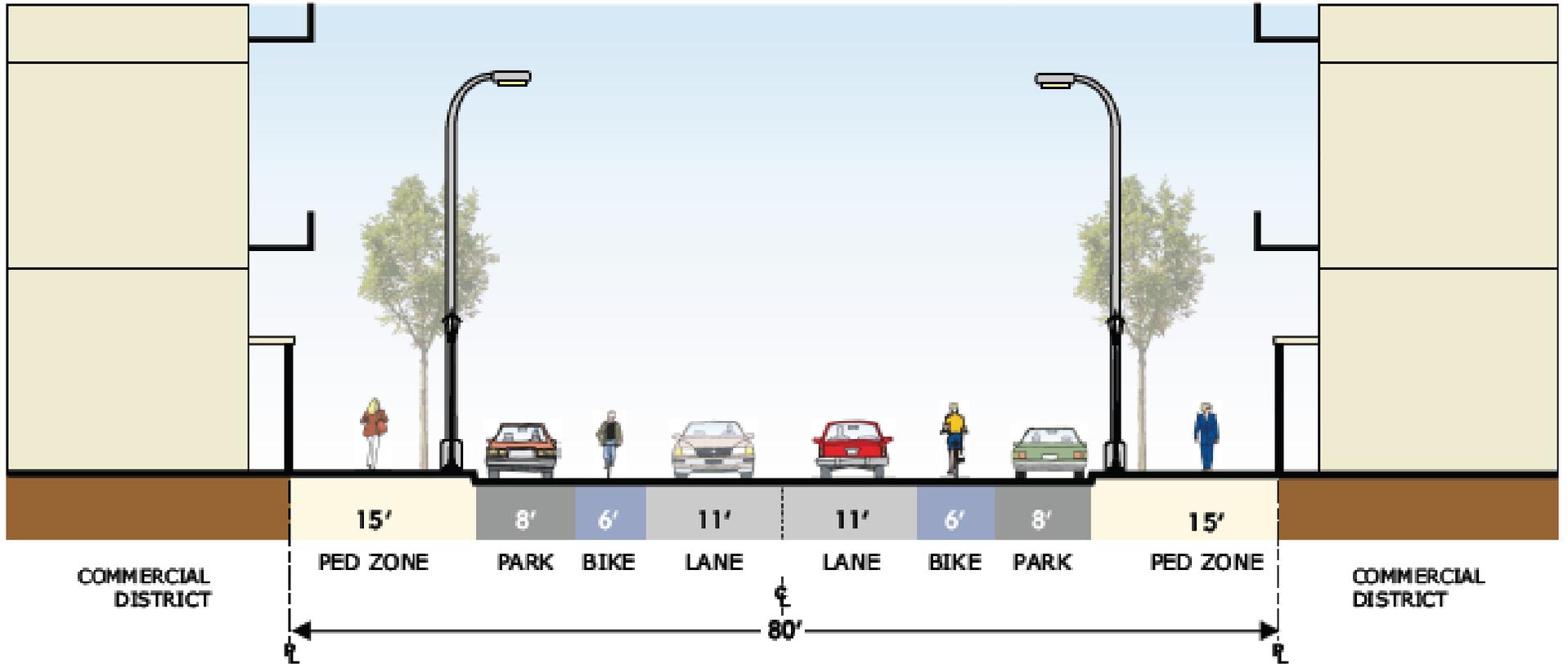
# 10-Year Transportation Plan

## LEGEND

- DEVELOPMENT CORE
- EXISTING STREET NETWORK
- STREETS PROPOSED TO BE CONVERTED FROM ONE-WAY TO TWO-WAY
- STREETS PROPOSED TO BE CONVERTED FROM TWO-WAY TO ONE-WAY



# 10-Year Transportation Plan Design Guidelines



A photograph of a paved bicycle path. On the left is a large, silver, corrugated metal building. To the right is a fenced parking lot with several vehicles, including a blue pickup truck. In the background, there are other industrial or commercial buildings under a clear blue sky.

## Successful Bicycle Program League of American Bicyclists

- Education
- Engineering
- Encouragement
- Enforcement
- Evaluation

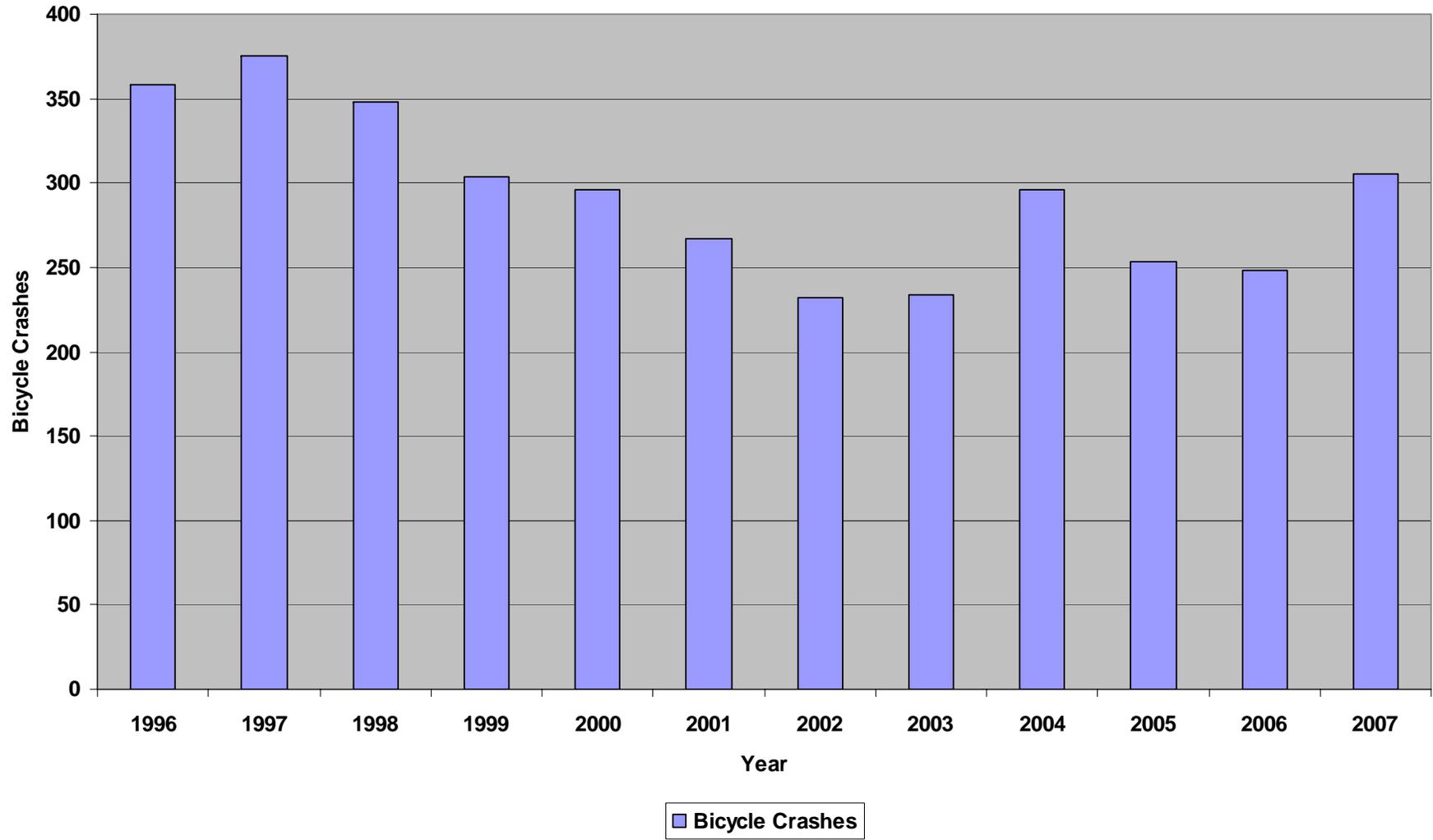
May 2008 Bicycle Friendly City Award

# Evaluation



# Safety

## 1996-2007 Bicycle Crashes

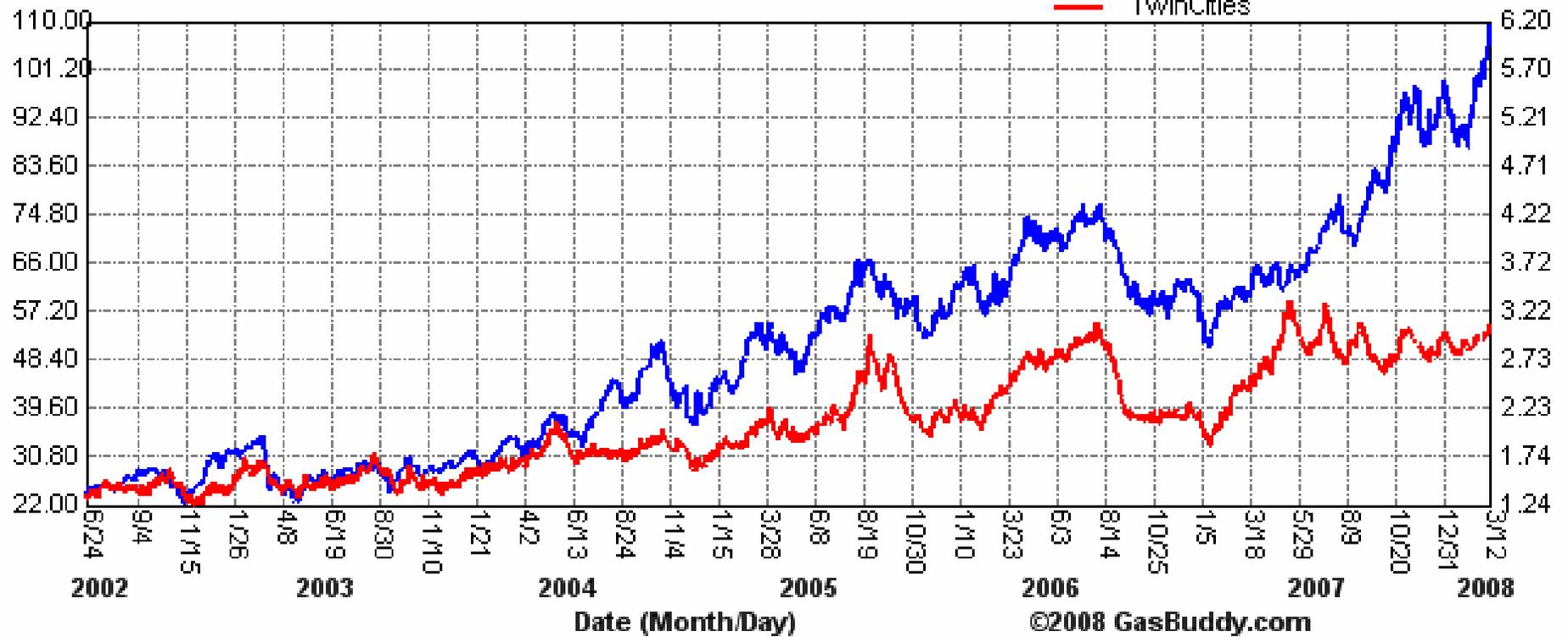


Crude Oil  
\$US/barrel

### 72 Month Average Retail Price Chart

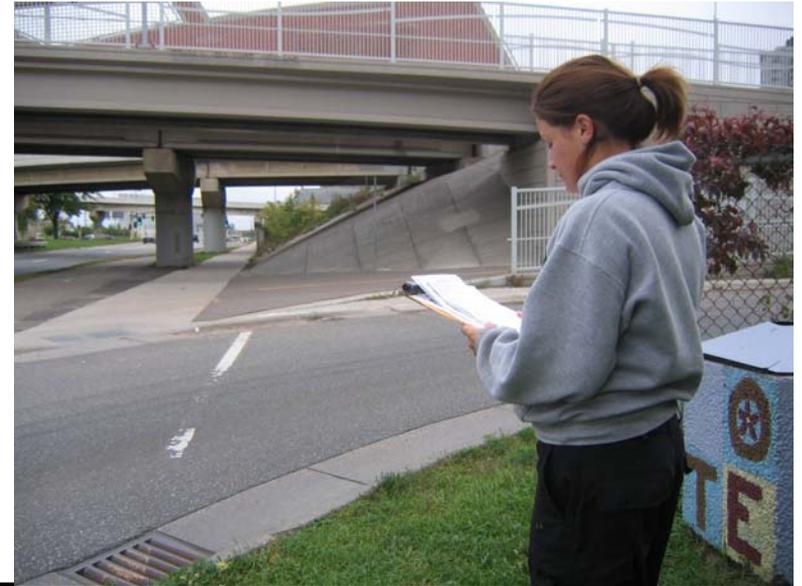
Regular Gas  
Price (US \$/G)

Crude Oil  
TwinCities



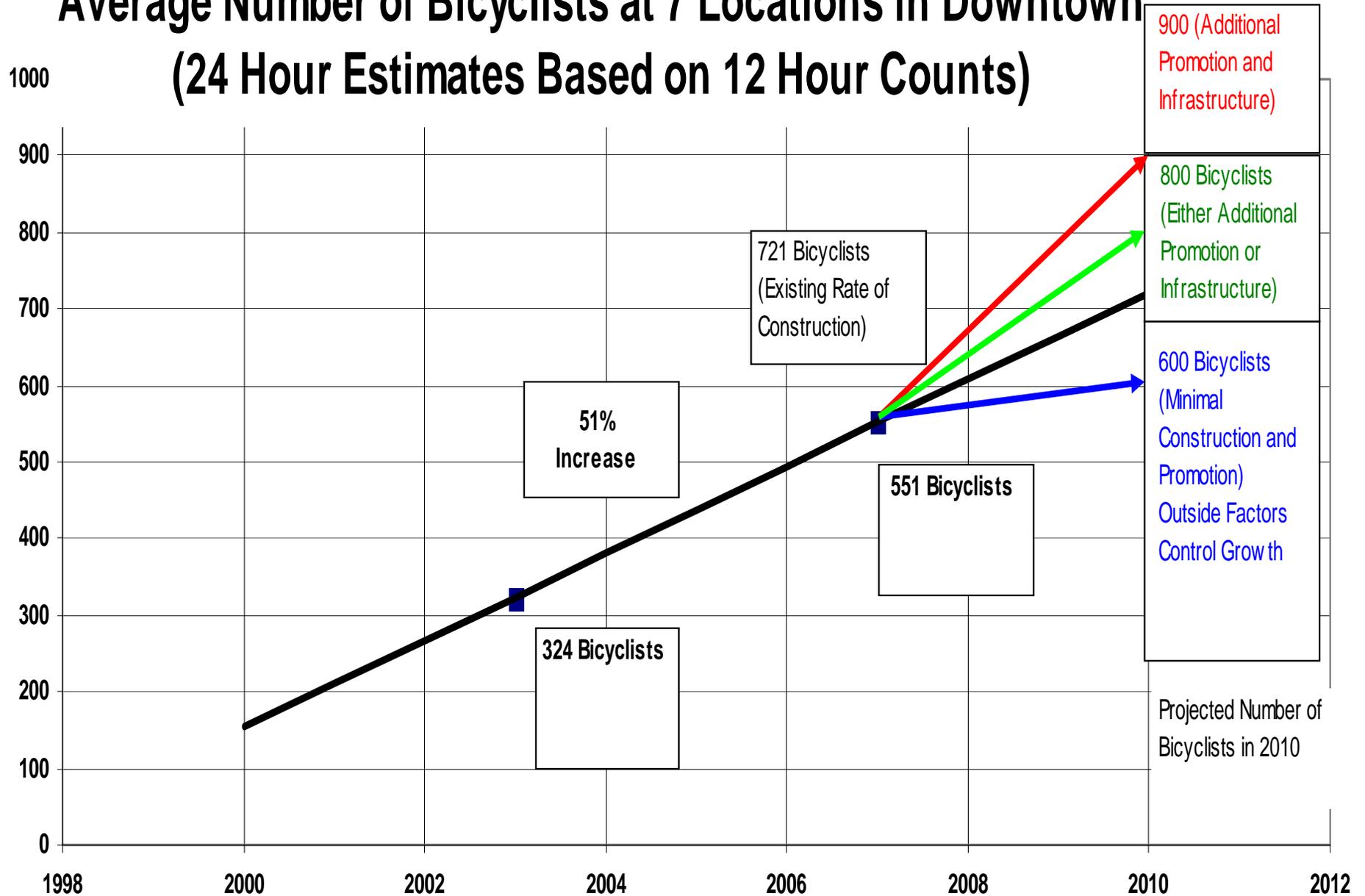
©2008 GasBuddy.com

## 2007 Bicycle Counts Conducted (Over 70 Volunteers)



1	15 <sup>th</sup> Ave SE between University and 4 <sup>th</sup> Aves – 12,000 ADT	3540 (30%)
2	MG between Hennepin and Humboldt Aves	2011
3	MG between Cedar and 20 <sup>th</sup> Aves	1861
4	Hennepin Ave between 6 <sup>th</sup> and 7 <sup>th</sup> St – 14,900 ADT	1540 (10%)
5	University Ave over I-35W – 18,400 ADT	1400 (8%)
6	Hennepin Ave Bridge Over the Mississippi River – 23,400 ADT	1200 (5%)
7	Lake St Bridge Over Mississippi River – 18,000 ADT	1140 (6%)
8	Franklin Ave Bridge Over Mississippi River – 8,500 ADT	1050 (12%)
9	Cedar Lake Trail Under I-394	1010
10	20 <sup>th</sup> Ave S Over I-94 – 4,000 ADT	1000 (25%)

# Average Number of Bicyclists at 7 Locations in Downtown (24 Hour Estimates Based on 12 Hour Counts)

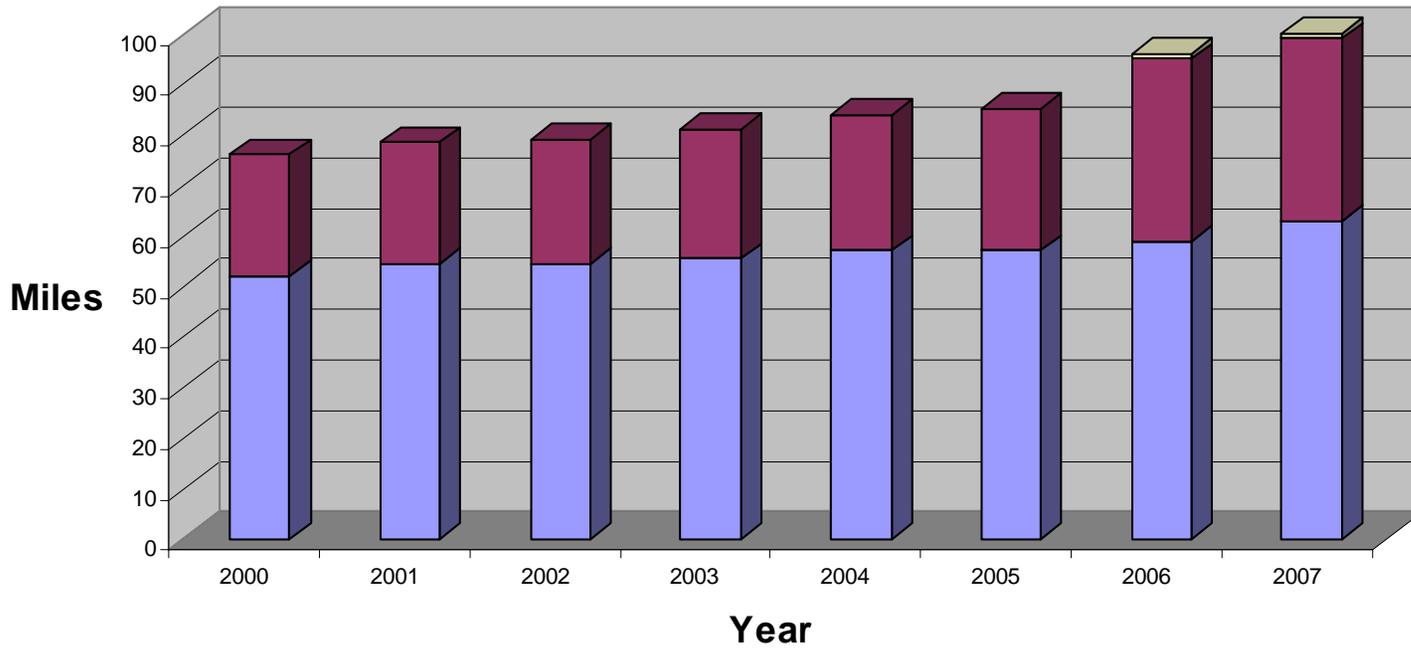


# US CENSUS - Bicycle Mode Share

1	Portland, Oregon	3.5%
2	Minneapolis	2.4%
3	Seattle	2.3%
4	Tucson	2.2%
5	San Francisco	1.8%
6	Sacramento	1.8%
7	Washington DC	1.7%
8	Oakland	1.5%
9	Honolulu	1.4%
10	Denver	1.4%



## Miles of Bikeways



Off Street Miles

On-Street

Experimental

# Engineering



# Midtown Greenway Bridge Constructed (Hennepin County and City of Minneapolis)



# Midtown Greenway Bridge Opened



# Midtown Greenway Bicycle Station Funding Secured

March 2008 Photos



## **Upper River Trail – West River Pkwy (Plymouth to BNSF Bridge – MPRB Project)**



# CEPRO Ramp – Midtown Greenway (Hennepin County Project)



# Grand Rounds Completion Study (MPRB)



# Bicycle Parking – Thunderhead Alliance Report



**205 Bicycle Racks  
(507 Spaces)  
Installed in 2007**

## Minneapolis Top for Bike Parking

Minneapolis ranks highest among cities surveyed for per capita bicycle parking. With 3,964 racks, averaging four spaces per rack, Minneapolis boasts 453 bicycle parking spaces per 10,000 residents. A number of policy decisions have contributed to Minneapolis's success. The city parking budget includes \$40,000 a year for bicycle parking and has a unique 50/50 cost share program with local businesses who are interested in bike racks. The city also has ordinances that support bicycle parking and will pay 100% of the cost for bike racks at schools and public parks. Minneapolis doesn't plan on slowing down its provision of bike parking anytime soon. As one of five pilot communities in the U.S. to receive hefty federal support for bicycle and pedestrian provisions under SAFETEA-LU (the most recent federal

transportation bill), they have just received a federal grant that will allow them to install bike

racks at 100% of Minneapolis schools, public parks and post offices.

## The Importance of Bicycle Parking

The choice to bicycle is often linked to the ease of the bicycling experience. The ability to securely and conveniently park one's bicycle is an important factor. While Minneapolis, Seattle, and Chicago all show a significant investment in bicycle parking, some cities answered "NA" to questions on bicycle parking, which was translated to mean there is no city-funded bike parking program. Other cities such as Memphis, Houston and Charlotte report bicycle parking spaces for only 0.02% of the population. Minneapolis has bike parking for 4.53% of the population and reports they are just keeping up with the demand for bicycling. Cyclists make up 2.42% of all trips to work in Minneapolis and they estimate a total bike mode share of roughly three percent.

Legend (table opposite page)  
\* = Officials could not access data  
\*\* = Thunderhead could not access data  
Note: A survey response of "NA" to question of bike parking was taken to mean 0 and a response of "Less than 100" for Baltimore was taken to mean 99.

One of Minneapolis's roughly 4,000 bike racks overflows outside of Fairview Medical Center. PHOTO COURTESY OF DONALD PRALIN, CITY OF MINNEAPOLIS





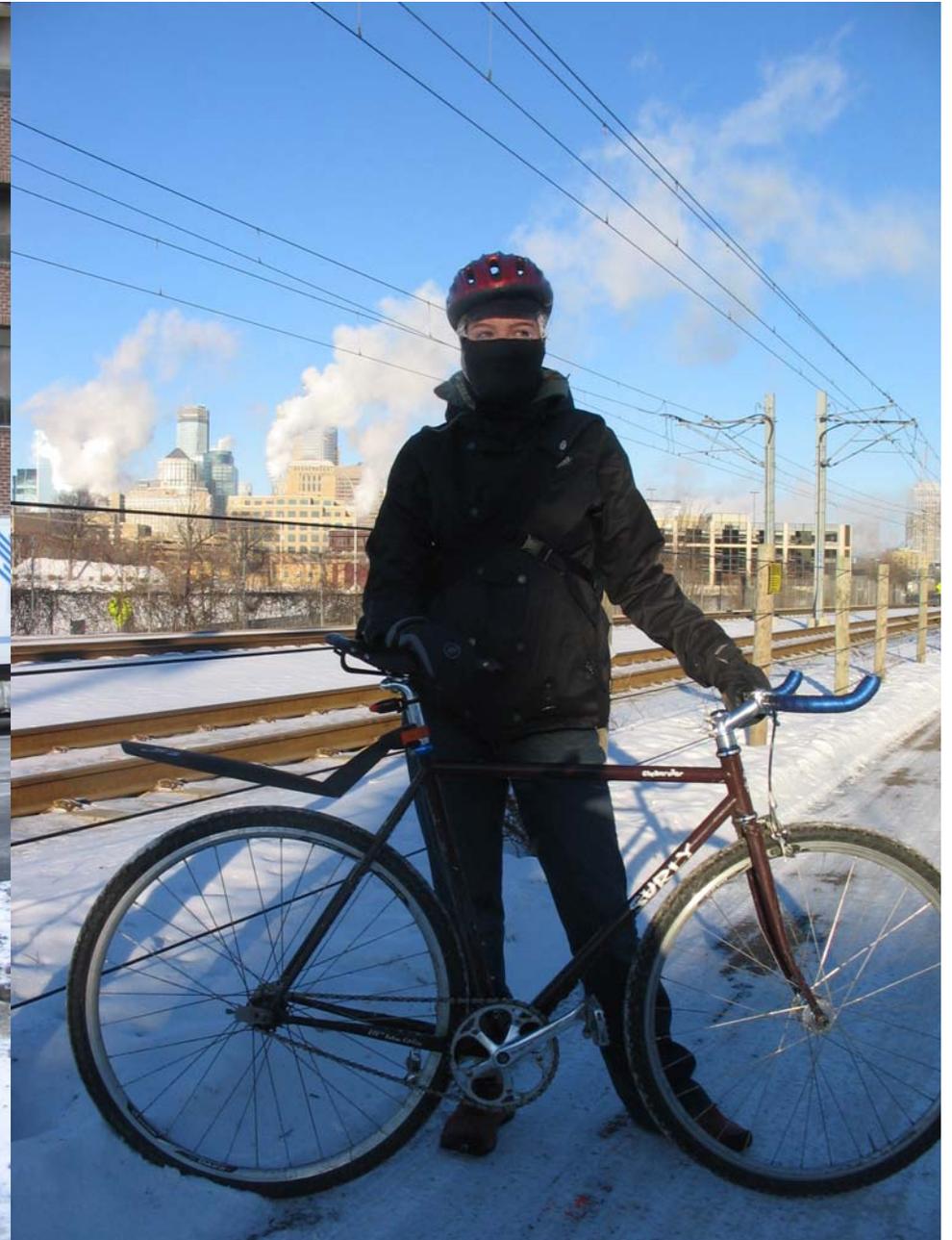
**2007 Totals:**  
**4,169 Bicycle Racks**  
**17,026 Parking Spaces**  
**331 Lockers**

**205 Bicycle Racks Installed - 507 Parking Spaces Added in 2007**

# Education



# Winter Biking Education and Promotion



# Safe Routes to School Strategic Plan Completed

Safe Routes to School programs are part of the solution...

...to improve walking and bicycling conditions

...to increase physical activity

...to decrease air pollution



Dallas, TX

Safe Routes To Schools & Parks



Elements of SRTS programs

- Education
- Encouragement
- Enforcement
- Engineering
- Evaluation



Lenexa, KS

Safe Routes To Schools & Parks



# Bicycle Education in Minneapolis Public Schools



# MnDOT Share the Road Campaign



-  1. Bicyclists may ride on all Minnesota roads, except where restricted.
-  2. Bicyclists should ride on the road, and must ride in the same direction as traffic. It's illegal to ride facing traffic.
-  3. Motorists must maintain a three-foot clearance when passing a bicyclist.
-  4. Bicyclists must obey all traffic control signs and signals, just as motorists.
-  5. Motorists and bicyclists must yield the right-of-way to each other.
-  6. Bicyclists must signal their turns and should ride in a predictable manner.
-  7. Lights and reflectors are required at night.
-  8. Bicyclists should always wear helmets.

# Encouragement



# Non-Motorized Transportation Pilot Program (NTP)



**2007 Minneapolis Awards:**

**\$900,000 – Bicycle Ambassador Program**

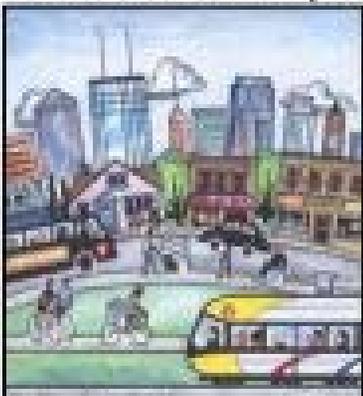
**\$200,000 – Direct Award for Bicycle Parking**

**\$1,900,000 – 17 Operations Projects**

**\$100,000 – 2 Planning Projects**

**\$3,600,000 – 3 Infrastructure Projects**

**TRANSIT** *for*



*Livable Communities*



## 2007 Events



**Great River Energy Bicycle Festival/  
Nature Valley Grand Prix**

**2007 Bike/Walk to Work Day**

**Midtown Greenway Arbor Day  
Event**

**Minneapolis TMO Commuter Fairs**

**2007 Bicycling, Travel, and Fitness  
Expo**

**Midtown Greenway Bridge  
Grand Opening**

**Bike-In at the Bell**

**Minneapolis Bike Tour**



# Bicycle Program Outreach

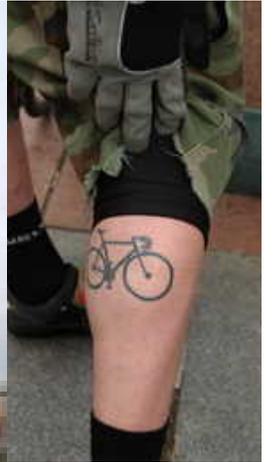
- Improvements to City Website (30,000 hits in 2007)
- Bicycle and Pedestrian Open House (125 participants)
- Bicycle Information List Serve Created (1700 members)
- Bicycle Survey conducted (900 responses)



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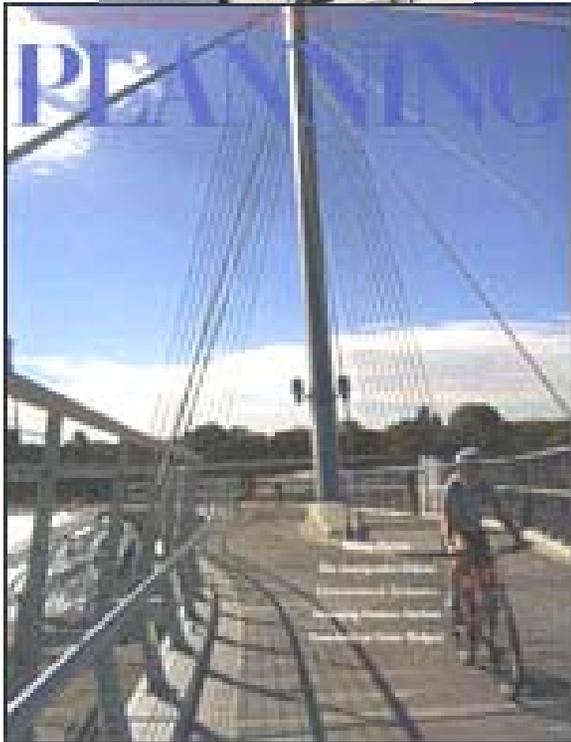


By Tom Sweeney, Star Tribune



**StarTribune.com** | MINNEAPOLIS - ST. PAUL, MINNESOTA

**KARE OnLIVE**



**St Paul Pioneer Press**

## Media Coverage



**Mpls  
St Paul  
MAGAZINE**

The Best of the Twin Cities

**mspmag.com**

**Enforcement**

**Bike Bait Program**



## What's to Expect in 2008?

- **Bicycle Ambassador Program**
- **NTP Projects Started**
- **2<sup>nd</sup> and 3<sup>rd</sup> NTP Solicitations**
- **More Innovative Treatments**
- **Bike Lanes for W 54<sup>th</sup> St**
- **Bicycle Master Plan Completed**
- **Bike Racks at All Schools, Parks, and Libraries**



## Projects in 5-Yr CIP

- East River Road Trail (2008)
- Cedar Lake Trail (2010)
- West River Pkwy Trail (2009)
- RiverLake Greenway (2010)
- 18<sup>th</sup> Ave NE Trail (2010)
- LRT Trail Lighting/Gap (2013)
- Bicycle Parking (2008-2013)





## Possible Employee Incentives

- Guaranteed Ride Home
- Flex time for bicyclists
- Office bicycles
- Tax incentives for bicyclists
- Transportation stipend for bicyclists
- Showers and lockers
- Bike storage rooms

## Future Initiatives



- Improved bike map
- Bicycle clinics
- Targeted marketing
- Interactive website
- Bicycle ambassador program
- Bicycle baiting anti-theft program
- Employee mentoring



**Any Questions?**

