

Greenway Technical Committee AGENDA

**Tuesday, January 13, 2009
Grand Forks Park District Office, 1210-7th Ave. S. Grand Forks, ND
10:30 am- Noon**

DISCUSSION ITEMS

- I. Motor vehicle update**
- II. Winter carnival**
- III. Winter use maps**
- IV. Promotional fund**
- V. Election of new chairperson**
- VI. Other new business**
- VII. Greenway Agency Updates**

**Next Greenway Technical Committee meeting: March 10 13, 2009 – 10:30 am at
Grand Forks Park District, 1210 7th Avenue South**

Upcoming events & meetings:

- Greenway and Recreational Trail Advisory Group meeting: Tuesday, March 10 at 7 pm at the GF Park District, 1210 7th Avenue South – all Greenway Technical Committee are welcome to attend.
- Greenway Ski Days: February 6 & 7 in Lincoln Drive Park
- Midwinter Chill winter carnival: Saturday, February 14 along the Red River in downtown Grand Forks and East Grand Forks. Complete details coming soon.
- For information on activities and events happening in the Greenway, visit www.grandforksgov.com/greenway.

Greenway Technical Committee
Tuesday, January 13, 2009 - 10:30 am- Noon
Grand Forks Park District Office - 1210-7th Ave. S. Grand Forks, ND
Meeting Notes

Ann Sande, Friends of the Greenway
Dave Aker, EGF Parks & Rec
Dave Manthei, GF Fire
Laura Munski
Corey Birkholz, Options

Sgt. Jeff Burgess, GF Police
Teri Nelson, MPO
Roxanne Achman, GF Planning
Steve Mullally, GF Park District
Kim Greendahl, City of GF

DISCUSSION ITEMS

- I. **Motor vehicle definition update:** The new definition was adopted by the GF City Council at the December 15, 2008 meeting.

- II. **Winter Fest:** The permits have all been filed with the GF & EGF. Activities for the event include a pancake breakfast, 5 k race, broomball tournament, dog sled rides, snowmobile races and hands on activities with Dakota Science Center. Advertising will begin in a few weeks. Information is available on the website.

- III. **Promotional fund:** The GF Park District is working to obtain the balance for this fund. Steve would like one of the managing agencies to handle sending invoices. Kim will send the invoices to the partner agencies.

- IV. **Election of new chairperson:** Motion to nominate Lonnie Winrich for Greenway Technical Committee Chairperson. Mullally/Munski M/S/A. Steve agreed to serve as interim chairperson until Lonnie is finished with the legislative session this spring.

- VII. **Greenway Agency Updates**
 - A. **GF Park District:** The groomer broke down before Christmas and had to be taken to Grand Rapids, MN for repairs. It is running properly now. Staff will be attending the flood planning meetings at the city because they have a concern about flooding at Riverside Pool. Work at the pool is not completed and they don't believe the low level levee will protect it.
 - B. **City of East Grand Forks:** The city and DNR signed a contract for the management of the campground for 2009. Operations will remain the same as 2008. They have also applied for funding to add twenty two more sites to the campground. Interviews for campground staff will begin in April and the campground is scheduled to open in May.
 - C. **Dakota Science Center:** The Backyard Bird Count is scheduled for February 13 -15.
 - D. **Metropolitan Planning Organization:** Teri is working on updating the 2009 Bikeway maps. The path along the English Coulee between 17th Avenue and 24th Avenue South is scheduled for resurfacing this summer.

VI. New business

- A. Cross-country ski and snowmobile routes:** In January staff members from the Greenway, police and park district met to discuss how to address snowmobile use in the Greenway. The decision was made to propose to council that a snowmobile trail be established the entire length of the Greenway along the unpaved trail system for a two year trial period.

The Greenway Technical Committee agreed that the current system is not working and providing two separate and distinct trails with extensive signing would be easier for the users to abide.

- B. Side path legislation:** There may be legislative bill to repeal the side path laws coming in this session. The purpose of the repeal is to get rid of language that forces cyclists to use a side path when they would prefer to use the road as their method of transit.
- C. 2009 bike map:** Teri will be working on the updates over the next few weeks and would like to have the final version ready for print within the next few months. Comments can be sent to Teri at terinelson@theforksmmpo.org. The committee noted that the street names were missing from the 2008 map, larger font would make the map easier to read (especially for out of town visitors) and increasing the size of the map.

Next Greenway Technical Committee meeting: March 10, 2009 – 10:30 am at Grand Forks Park District, 1210 7th Avenue South

Submitted by: Kim Greendahl, Greenway Specialist, City of Grand Forks

REPEAL ND SIDEPATH LAW

- NDCC 39-10.1-05 states: “Wherever a usable path for bicycles has been provided adjacent to a roadway, bicycle riders shall use such path and may not use the roadway.”
- All inclusive language of all bicyclers, regardless of skill, speed, equipment, places many users of the sidepath at unnecessary risk. Studies have shown many bicyclers are safer on the street than on sidepaths.
- Repeal would NOT force all bicyclists onto the streets! Allows choice for bicyclists to ride where they feel is best place for them to ride at that specific roadway.
- Design standards (AASHTO and others) recommend these sidepaths as facilities that are supplements to on road facilities due to safety concerns. NDDOT officially supports this concept as documented in their Bike Plan. The GF-EGF MPO Plan endorses this repeal as well. Many of these sidepaths may be of poor design; why force all bicyclists to use these poorly designed facilities.
- Would allow more flexibility in funding of facilities accommodating all types of bicyclists in new and reconstructed roadways. Currently, federal aid will only fund one facility even though sound engineering judgment suggests more than one be available along a certain roadway.
- No enforcement and lack of knowledge of law.
- Repeal would ease liability concerns that may exist if accidents were to occur, i.e., poor design or lack of enforcement.
- Vast majority of States with similar law have repealed their law for the reasons stated above. Those that have not, like ND, have not had an effort to do so.

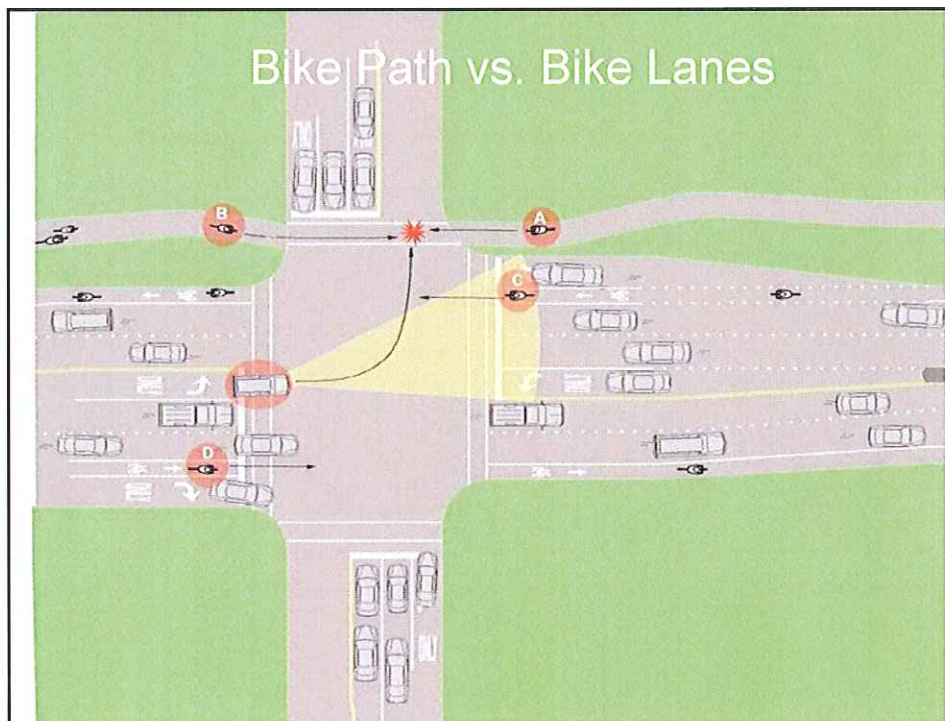
RELATIVE DANGER INDEX of various types of facilities

- Major Streets w/o bike lanes 1.28
- Minor Streets w/o bike lanes 1.04 *
- Streets with bike lanes 0.5
- Mixed-use paths 0.67
- Sidewalks 5.32

(* = shared roadway)

1.00 = median

Source: William Moritz, U.W. - "Accident Rates for Various Bicycle Facilities" -
based on 2,374 riders, 4.4 million miles



Urban Area Connections

- Bike lanes most appropriate on urban thoroughfares, collectors
- They get you from one part of town to another efficiently
- Look for easy connections first – “road diet”
- No point in striping local streets with bike lanes

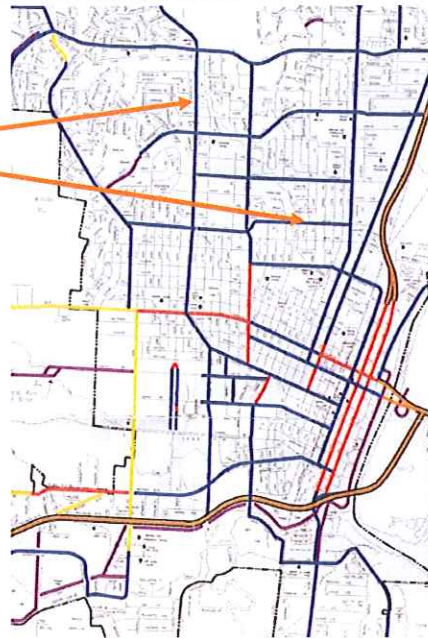
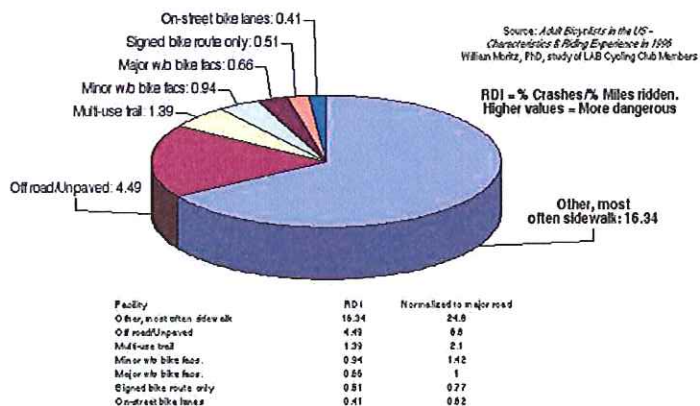


Fig. 3a HOW DANGEROUS ARE DIFFERENT BICYCLE FACILITIES?
Relative Danger Index (RDI) of various facilities



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Fig. 4a Bicycle Crash Modes - Santa Barbara, CA, 1974

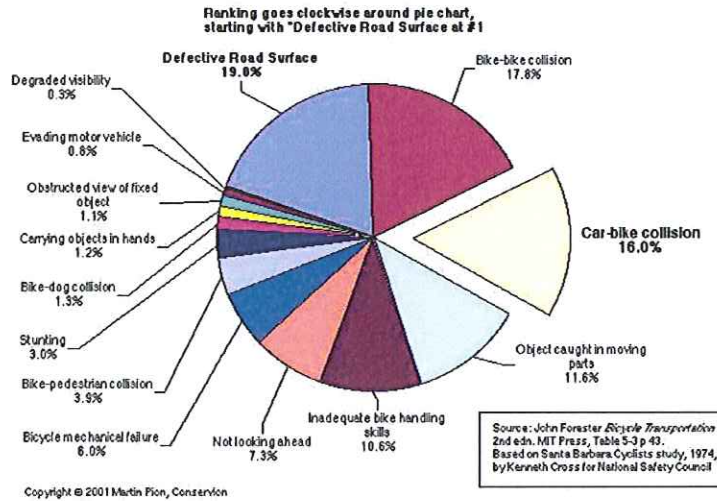
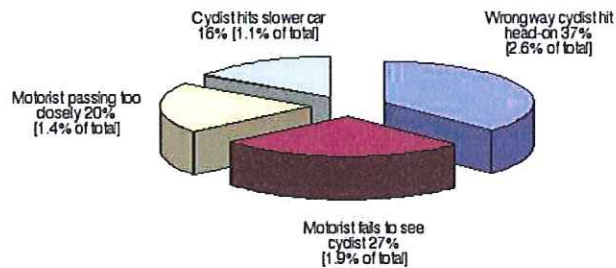


Fig. 6 Parallel Path Car-Bike Collisions: Urban

**Breakdown of Parallel Path Collisions
(17% of all Urban Car-Bike Collisions)**



Source: *Bicycle Transportation, 2nd Edition*, John Forester, MIT Press - Table 5-8
Based on Cross & Fisher study for National Highway Traffic Safety Administration, 1977.

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**Table 5-3
Bicycle Facility Cost Estimates**

Pay Item	Unit Cost	Unit	Units Per Mile	Cost Per Mile
Bike Route				
Signs	\$120.00	Each	8	\$960
Sign posts	\$50.00	Each	8	\$400
Bicycle Pavement Markings	\$70.00	Each	16	\$1,120
Design Engineering (15%) + Construction Engineering (15%)				\$744
Total + 15% Contingency				\$3,800
Bike Lane With Parking				
Standard Sign	\$120.00	Each	8	\$960
Sign post	\$50.00	Each	8	\$400
Thermoplastic Pavement stripes	\$0.70	Linear ft.	21,120*	\$14,784
Bicycle Pavement Markings	\$70.00	Each	16	\$1,120
Design Engineering (15%) + Construction Engineering (15%)				\$5,179
Total + 15% Contingency				\$25,900
Shared Use Path				
Excavation	\$35.00	Cu. yard	1,956	\$68,445
Fill (Compacted Subgrade Material)	\$10.00	Cu. yard	1,956	\$19,560
6" Aggregate Base Course	\$10.25	Sq. yard	5,867	\$60,134
4" Bituminous Surface Course	\$90.00	Ton	1,314	\$118,272
4" Thermoplastic Pavement Stripes	\$1.00	Linear ft.	5,280	\$5,280
Engineering (25% of total cost)				\$68,000
Total + 15% Contingency				\$390,700

*Assumes four pavement lines are required per mile (two for each direction of travel)
(Note: On roads without parking, the cost of bike lanes is \$26,120 per mile).

2008 Bikeway Map

STREET NAMES

East Grand Forks
Minnesota

The Grand Forks Andy Hampsten Bikeway System:
The bikeway system within Grand Forks is named
after Andy Hampsten, a former resident & international
bicycle racer in the late 1980's & early 1990's.



Grand Forks
North Dakota

The Greenway is a system of parks, wildlife refuges, and trails
along the Red River and the Red Lake River, with over 20
miles of paved multi-purpose paths and two pedestrian
bridges over the Red River.

- Multi-Use Path: Offstreet paved path.
- Bike Lane: A signed & painted lane on busier streets.
- Bike Route: Signed bike route along local streets.
- Unpaved trail: Trail that connects to current bikeway.
- Bike Bridge or Tunnel
- Medical Facilities
- Bike Repair Facilities
- Bike Parking
- Greenway Access Point
- Public Restroom
- Information Center
- Distance Points in Miles

Disclaimer:
The bikeway system depicted is shown as of March 2008.
Please use caution and obey all posted signage and
vehical code. Bike facilities throughout the system are
subject to closure due to construction or other circumstances
at any time. While every effort has been made to provide a
high quality, accurate, and usable map, the depicted
bikeway information is advisory only. Map users assume all
risks as to the quality and accuracy of the map information, and
agree that their use is at their own risk. Please forward all
comments & corrections for this map to the GF/EGF MPO.

Points of Interest

- | | |
|-------------------------------------|--|
| 1 Alerus Center | 11 The Greenway |
| 2 Ralph Engelstad Arena | 12 Northland Community College |
| 3 University of North Dakota | 13 Red River State Recreational Area Campground |
| 4 Myra Museum | 14 Riverwalk Center/ Cabela's |
| 5 "Smiley" Water Tower | 15 Heritage/Railroad Museum |
| 6 King's Walk Golf Course | 16 Valley Golf Course |
| 7 Columbia Mall | 17 Riverside Dam |
| 8 Grand Cities Mall | 18 VFW Arena |
| 9 Lincoln Disc Golf Course | 19 East Grand Forks Civic Center |
| 10 Grand Forks Townsquare | 20 Zavoral Estate Golf Course |

Grand Forks - East Grand Forks
Metropolitan Planning Organization

Map Revised March 2008

Add library Disc