



Bicycle and Pedestrian Advisory Committee

Monday, October 17, 2011 – 7 p.m.
Municipal Center – Room 247
400 S. Eagle Street

AGENDA

- A. Call to Order**
- B. Public Forum**
- C. Approval of Meeting Summary – June 20, 2011**
- D. Correspondence – None**
- E. Old Business**
 - 1. Path Crossing Signage and Markings
- F. New Business**
 - 1. Bicycle and Pedestrian Education (no attachment)
- G. Next Meeting Date – December 19, 2011**
- H. Adjournment**

If you are unable to attend the meeting, please notify Jennifer Louden by noon on Friday, October 14, 2011 at (630) 420-4197.

Any individual with a disability requesting a reasonable accommodation in order to participate in a public meeting should contact the Accessibility Coordinator at least 48 hours in advance of the scheduled meeting. The Accessibility Coordinator can be reached in person at 400 S. Eagle Street, Naperville, IL., via telephone at 630-420-6725 or 630-305-5205 (TDD) or via e-mail at manningm@naperville.il.us. Every effort will be made to allow for meeting participation.



**NAPERVILLE BICYCLE AND PEDESTRIAN ADVISORY COMMITTEE
MINUTES OF JUNE 20, 2011**

A. Call to Order

7:02 p.m.

Attendance

Present: Chairman Jaynes (arrived 7:10 p.m.), DiGiovine-Gehrs, Luhrs, Nye, Peterson, Stocke

Absent: Craighead, Swanson, Wong, Student Member Dunk, Student Member Waked

Staff Present: Project Engineer Jennifer Louden

B. Public Forum Rich Cullen and Walt Rittle attended the meeting after learning about it through the utility billing insert.

C. Minutes Approve the minutes from the May 16, 2011 Bicycle and Pedestrian Advisory Committee meeting.

Motion by: Luhrs

Second by: DiGiovine-Gehrs

Approved
(5-0)

D. Correspondence – None

E. Old Business

E1. FY11-12 Bicycle and Pedestrian Work Program

Louden stated that the FY11-12 Bicycle and Pedestrian Work Program was approved by City Council on May 17, 2011.

E2. Bicycle Friendly Community Priority List

Louden provided an update on the tasks included in the feedback list:

- The pedestrian underpasses at the intersection of 75th Street and Washington Street and the extension of the DuPage River Trail (Segment 4) are complete. These were opened in 2010.
- Enforcement of the city's bicycle parking ordinance and installation of community bicycle parking are ongoing. Recent bicycle parking installations include the downtown racks funded by the Rotary Club and the racks at the north entrance to the Riverwalk near the Jefferson Avenue bridge.
- The Naperville Bike to Metra brochure has been completed.

- Providing opportunities for bicycle related training for engineering, planning and law enforcement staff is an ongoing activity. The city now has a membership to the Association of Pedestrian and Bicycle Professionals.
- Encouragement efforts are ongoing. BPAC members recently participated in the Green Earth Fair and City Council proclaimed June as Naperville Bike Month.
- Work to integrate the development of the cycling network into larger land use planning and development projects and plans is ongoing. City staff works with developers to complete the installation of routes identified in the approved City of Naperville Bicycle Implementation Plan as opportunities arise.
- Consideration of bicycle signal actuation is ongoing. During 2010 staff provided educational information on signal actuation to BPAC, researched different technologies, and installed bicycle signal actuation at a test location.

Bicycle and Pedestrian Advisory Committee Discussion:

- In reference to bicycle parking at new developments, Peterson noted that the new Staples on Ogden Avenue does not have bicycle parking. Louden responded that this will be looked into.
- Peterson asked if there are any plans to install additional bicycle parking at the Naperville Metra Station as the racks are full early in the morning. Louden noted that there have been a number of additions in recent years in response to additional demand. Recently added parking includes the shelter at the northeast side of the platform, racks in Kendall and Burlington Park, and racks at the DuPage Children's Museum parking lot, near the platform. There are no plans to add additional parking at this time.
- Stocke asked about the timing of the next update to the bicycle plan. Louden noted that staff is not discussing an update at this time and it will not occur before the Bicycle Friendly Community renewal in 2013.
- The committee expressed concern that several approved routes have not been signed yet.
- Jaynes noted that education is an area where the committee should focus its efforts. The committee agreed that members should begin writing education pieces that can be issued. Possible media includes Patch, Naperville Magazine, The Glancer, Positively Naperville, handouts for special events such as the Sunrise Rotary Ride, and possibly the Park District program guide. The following topics were discussed:
 - Crosswalk use and clarification on the state law
 - How to share the road, including the 3-foot law
 - Intersection safety
 - General rules of the road – bicycles are vehicles and have the same responsibilities and rights
 - Rider safety, including helmet use and reflective equipment
 - Trail etiquette

**CITY OF NAPERVILLE
MEMORANDUM**

DATE: October 10, 2011
TO: Bicycle and Pedestrian Advisory Committee
FROM: Jennifer Loudon, Project Engineer
SUBJECT: Path Crossing Signage and Markings

BACKGROUND:

City staff regularly receives requests from residents to provide enhanced signage and pavement markings at locations where shared-use paths cross roadways at uncontrolled locations, such as mid-block crossings. To ensure that the requests are addressed in a consistent manner and that any available resources for signage and markings are implemented appropriately, staff has developed a practice for installation as outlined in the Path Crossing Signage and Markings project included in the approved FY 11-12 Bicycle and Pedestrian Work Program.

DISCUSSION:

The following tasks have been completed through the Path Crossing Signage and Markings project:

1. Identify and categorize all existing crossings;
2. Inventory existing signage and pavement markings at crossings;
3. Research potential treatments; and
4. Establish the installation practice.

Task 1 – Identify and categorize all existing crossings.

Staff identified 37 uncontrolled path crossings within the Naperville bikeway network. For the purpose of this project a controlled crossing is defined as a location where a path crosses a roadway at a signal, all-way stop or grade separation. Any other type of crossing was defined as uncontrolled. The uncontrolled crossings were divided into a number of categories based on the path and roadway classifications. The crossing categories, as outlined below, were discussed and approved by BPAC during the June 20, 2011 meeting.

Category	Description
A	Regional bikeway crossing arterial roadway
B	Regional bikeway crossing non-arterial roadway
C	City bikeway crossing arterial roadway
D	City bikeway crossing non-arterial roadway
E	Neighborhood bikeway crossing arterial roadway
F	Neighborhood bikeway crossing non-arterial roadway
G	Adjacent path crossing (Path parallel to major roadway crossing stop-controlled minor roadway)

Task 2 – Inventory existing signage and pavement markings at crossings.

Staff performed a detailed field inventory to identify existing signage and pavement markings present at the crossings. The existing treatments at each location are summarized in the attached inventory document.

Task 3 – Research potential treatments.

Staff conducted a detailed document search to investigate potential treatments that could be used at uncontrolled crossing locations. The following published documents were consulted:

- *Manual on Uniform Traffic Control Devices (MUTCD)*, Federal Highway Administration, 2010.
- *Guide for the Development of Bicycle Facilities*, American Association of State Highway and Transportation Officials, 1999.
- *Safety Effects of Marked Unmarked Crosswalks at Uncontrolled Locations: Final Report and Recommended Guidelines (Publication Number HRT-04-100)*, Federal Highway Administration, 2005.

Task 4 – Establish the installation practice.

Based upon the field inventory and research conducted, staff has developed the following recommended practice for installing signage and markings at uncontrolled locations:

Categories A, C and E – Arterial Roadway Crossings

At these locations a regional, city or local path crosses an arterial roadway at an uncontrolled location (primarily mid-block crossings). The following treatments are recommended:

- Path – Stop Signs
- Crossing Roadway
 - Minimum – Crosswalk, Bicycle Warning Sign (W11-1) or Trail Warning Sign (W11-15) with Diagonal Arrow Plaque (W16-7P) at crossing
 - Additional – Advance Warning Signs, Advance Pavement Markings, and Raised median or crossing island (dependant on lane configuration)

Categories B, D and F – Non-arterial Roadway Crossings

At these locations a regional, city or local path crosses a non-arterial roadway at an uncontrolled location (primarily mid-block crossings). The following treatments are recommended:

- Path – Stop Signs
- Crossing Roadway
 - Minimum – Crosswalk, Bicycle Warning Sign (W11-1) or Trail Warning Sign (W11-15) with Diagonal Arrow Plaque (W16-7P) at crossing
 - Additional – Advance Warning Signs

Category G – Adjacent Path Crossing

At these locations a path parallel to a major roadway crosses a stop-controlled minor roadway. Recommended treatments for this category include:

- Path – None

- Crossing Roadway
 - Minimum – Stop Signs
 - Additional – Stop Bars and Crosswalk

Application of Treatments

The recommended treatments will be implemented at such time that the crossing roadway or path receives a regular maintenance application or when a request specific to that location is received.

Treatments are not limited to the recommendations per category when warranted by a specific study (i.e. speed, sight distance, etc.).

RECOMMENDATION:

Approve the recommendation establishing the installation practice for signage and markings at uncontrolled crossings.

Attachment:

- Uncontrolled Path Crossing Inventory

Uncontrolled Crossing Inventory

Path Name	Path Crossing Location	Path Classification	Road Classification	Crossing Roadway # of Lanes	Crossing Category	Existing Treatments in Place
103rd Street Bikeway, 103rd Street, 248th Avenue to Honey Locust Drive	n/a	-	-	-	-	-
248th Avenue Bikeway, 248th Avenue, 103rd Street to 111th Street	248th Ave and Ashwood Rd	City	Local	2	G	Stop Sign (Side Street), Stop Bar, Crosswalk
248th Avenue Bikeway, 248th Avenue, 111th Street to Champion Road	248th Ave and Juneberry Rd	City	Local	2	G	Stop Sign (Side Street), Crosswalk
	248th Ave and Champion Rd	City	Connector	2	G	Stop Sign (Side Street), Crosswalk
Ashbury Greenway Trail, Ashbury Greenway, Book Road to Plainfield-Naperville Road	Trail and Tusssel St (Mid-block)	City	Local	2	D	Bicycle Warning Signs (W11-1) with Diagonal Arrow Plaque (W16-7P), Crosswalk; Stop Signs (Trail)
	Trail and Hobbes Dr (Mid-block)	City	Local	2	D	Bicycle Warning Signs (W11-1) with Diagonal Arrow Plaque (W16-7P), Crosswalk; Stop Signs (Trail)
	Trail and Falkner Dr (Mid-block)	City	Connector	2	D	Bicycle Warning Signs (W11-1) with Diagonal Arrow Plaque (W16-7P), Crosswalk; Stop Signs (Trail)
	Trail and Lawrence Dr (Mid-block)	City	Connector	2	D	Bicycle Warning Signs (W11-1) with Diagonal Arrow Plaque (W16-7P), Crosswalk; Stop Signs (Trail)
	Trail and Book Rd (Mid-block)	City	Major Arterial	2	C	Bicycle Warning Signs (W11-1) with Diagonal Arrow Plaque (W16-7P), Crosswalk, "Bike X-ing" Pavement Markings; Stop Signs (Trail)
Ashbury Greenway Trail, Ashbury Greenway, Book Road to Route 59	-	-	-	-	-	-
Ashbury Greenway Trail, Ashbury Greenway, Route 59 to Tall Grass Drive	Trail and Deering Bay Dr	City	Collector	2	D	Bicycle Warning Signs (W11-1) with Diagonal Arrow Plaque (W16-7P), Crosswalk
	Trail and Tall Grass Dr	City	Connector	2	D	Bicycle Warning Signs (W11-1) with Diagonal Arrow Plaque (W16-7P), Crosswalk
95th Street Bikeway, 95th Street, Plainfield-Naperville Road to Eaglebrook Lane	n/a	-	-	-	-	-
Book Road Bikeway, Book Road, 87th Street to Leverenz Road	Book Rd and Glouceston Ln	City	Local	2	G	Stop Sign (Side Street), Stop Bar, Crosswalk; Stop Signs (Trail)
DuPage River Trail, Segment 1, Villa Ave to Hobson Road	Gartner Rd and Edgewater Dr	Regional	Collector	2	B	Bicycle Warning Sign (W11-1) with Ahead Plaque (W16-9P) Westbound, Crosswalk ;Trail Stop Signs (Trail)
DuPage River Trail, Segment 2	n/a	-	-	-	-	-
DuPage River Trail Segment 3	n/a	-	-	-	-	-
DuPage River Trail Segment 4, Section 9,10,11	Ring Rd and Knoch Knolls Rd	Regional	Collector	2	G	Stop Sign (Side Street), Stop Bar, Crosswalk, Bicycle Warning Sign (W11-1)
	Kingsley Dr and Knoch Knolls Rd	Regional	Collector	2	G	Stop Sign (Side Street), Stop Bar, Crosswalk
	Trail and Knoch Knolls Rd (Mid-block)	Regional	Collector	2	B	Bicycle Warning Signs (W11-1), Crosswalk; Stop Signs (Trail)
Illinois Prairie Path, Ferry Road to Canadian National Railroad	Diehl Rd (Mid-block)	Regional	Major Arterial	4	A	Median, Crosswalk with Colored Asphalt, "Bike X-ing" Pavement Markings, Advance Bicycle Warning Signs (W11-1); Stop Signs (Trail)
	Trail and Shore Rd (Mid-block)	Regional	Connector	2	B	Bicycle Warning Signs (W11-1); Stop Signs (Trail)
	Trail and Frontenac Rd (Mid-block)	Regional	Collector	2	B	Bicycle Warning Signs (W11-1); Stop Signs (Trail)
Modaff Bikeway, Modaff Road, 75th Street to Bailey Road	Modaff Rd and West Glen Dr	City	Connector	2	G	Stop Sign (Side Street), Crosswalk
Plainfield-Naperville Road Bikeway, Plainfield Naperville Road, 95th Street to 104th Street	Conan Doyle and Plainfield/Naperville Rd	City	Connector	2	G	Stop Sign (Side Street), Stop Bar
	Hamlet Rd and Plainfield/Naperville Rd	City	Connector	2	G	Stop Sign (Side Street), Stop Bar
	Saratoga Rd and Plainfield/Naperville Rd	City	Local	2	G	Stop Sign (Side Street), Stop Bar
Southern DuPage County Regional Trail, Hobson Road, Shamrock Ct to Washington St	Hobson Rd and Shamrock Ct	Regional	Local	2	G	Stop Sign (Side Street); Stop Signs (Trail)
	Hobson Rd and Hobson Hollow Dr	Regional	Local	2	G	Stop Sign (Side Street), Stop Bar; Stop Signs (Trail), "Stop" Pavement Marking and Stop Bar (Westbound Trail)
	Hobson Rd and Murdock Ct	Regional	Local	2	G	Stop Sign (Side Street), Stop Bar
	Hobson Rd and Tranquility Ct	Regional	Local	2	G	Stop Sign (Side Street)
	Hobson Rd and Hamilton Ln	Regional	Local	2	G	Stop Sign (Side Street), Stop Bar; Stop Signs (Trail)
	Hobson Rd and Hunter Cr	Regional	Local	2	G	Stop Sign (Side Street), Stop Bar; Stop Signs (Trail)
	Hobson Rd and Market Av	Regional	Local	2	G	Stop Sign (Side Street), Stop Bar; "Stop" Pavement Markings (Trail Eastbound and Westbound), "Stop Ahead" Pavement Markings (Trail Eastbound and Westbound)
	Hobson Rd and Hobson Oaks Dr	Regional	Local	2	G	Stop Sign (Side Street), Stop Bar; "Stop" Pavement Markings (Trail Eastbound and Westbound)
	Hobson Rd and Oxford Ln	Regional	Collector	2	G	Stop Sign (Side Street), Stop Bar; Stop Sign (Trail Eastbound)
	Hobson Rd and Shadow Creek Ln	Regional	Local	2	G	Stop Sign (Side Street), Stop Bar; Stop Signs (Trail)
Southern DuPage County Regional Trail, 75th Street, Modaff Road to Washington Street	75th and Clyde Dr	Regional	Local	2	G	Stop Sign (Side Street), Stop Bar, Crosswalk
Southern DuPage County Regional Trail, 75th Street, Plainfield-Naperville Road to Modaff Road	75th and Shepherd Dr	Regional	Local	2	G	Stop Sign (Side Street), Stop Bar, Crosswalk; Stop Signs (Trail)
Southern DuPage County Regional Trail, 75th Street, Route 59 to Plainfield-Naperville Road	n/a	-	-	-	-	-
Springbrook Prairie Forest Preserve Connections	Trail and 83rd St (Mid-block)	Neighborhood	Collector	2	F	Crosswalk, Bicycle Warning Sign (W11-1) (Eastbound Advanced), Pedestrian Crossing Sign (W11-2) with Diagonal Arrow Plaque (W16-7P) (East and Westbound)
Tall Grass Neighborhood Bikeway	Trail and Redwing Ct	Neighborhood	Local	2	F	Crosswalk, Bicycle Warning Signs (W11-1) with Diagonal Arrow Plaque (W16-7P)
	Trail and Brooksedge Av	Neighborhood	Local	2	F	Crosswalk, Bicycle Warning Signs (W11-1) with Diagonal Arrow Plaque (W16-7P)
Wolfs Crossing Bikeway, 91st Street to 95th Street	n/a	-	-	-	-	-

Crossing Categories:

- A - Regional bikeway/Arterial roadway
- B - Regional bikeway/Non-arterial roadway
- C - City bikeway/Arterial roadway
- D - City bikeway/Non-arterial roadway
- E - Neighborhood bikeway/Arterial roadway
- F - Neighborhood bikeway/Non-arterial roadway
- G - Adjacent path crossing (Path parallel to major roadway crossing stop-controlled minor roadway)