

# *Master Bicycle and Pedestrian Plan April 2022 Status Update Memo*

In 2018, the Village of Northbrook adopted the Master Bicycle and Pedestrian Plan (MBPP) to guide development of infrastructure and policies to improve bicycling and walking within the Village.

The plan recommended improvements to Village-owned roadways as well as those under the jurisdiction of Cook County, the Illinois Department of Transportation (IDOT), and recommendations that involve coordination with adjacent municipalities and agencies (e.g. Forest Preserves of Cook County).

Since adoption of the plan, the Village has completed several projects with more underway. Key accomplishments include improvements to signalized intersections, replacement of accessible curb ramps and pedestrian push buttons, progress toward completion of the Skokie Valley Trail, and receipt of a Regional Transportation Authority (RTA) Access to Transit grant to fund the design of marked bicycle facilities, wayfinding signage, and bike parking improvements near the Northbrook Metra Station.

## **Program and Policy Recommendations Updates**

Recommended Programs and Policies (Table 3, page 37 of the adopted plan) shows the following implementation progress:

### *Expand Bicycle Task Force Responsibilities*

In 2021, the Village re-wrote the mission of the Pedestrian and Bicycle Commission. The revised mission can be found on the Village website. “The purposed of the Commission shall be to provide advice on all issues related to pedestrian and bicycling within the Village of Northbrook. Specifically, the Commission will work towards the implementation of the MBPP, and ultimately, help make Northbrook a more livable and sustainable community.”

### *GIS Data Management*

In 2022, the Village updated the bike map showing the in-progress or completed projects. This update report includes a map of projects completed to date and those in progress.

**Figure 1** shows for reference the proposed infrastructure recommendations from the original BPP report with general statistics of the scope of improvements to the overall Village network. Approximately 37% of roadways within the Village are recommended to include a bicycle facility. Forty-either percent of these recommended facilities are physically-separated from automobile traffic.



**RECOMMENDATION STATISTICS**

- 37%** Percent of roadways in Northbrook are recommended for a bike facility.
- 48%** Percent of bikeway recommendations in Northbrook are physically-separated from automobile traffic (e.g. Shared Use Path, Sidepath, Sidewalk, and Separated Bike Lanes)
- 28/42 (67%)** Signalized intersections in the Village of Northbrook have recommendations to make it easier for bicyclists to cross streets or make turns.
- 15/49 (31%)** Total number of intersections proposed for improvements that are under the jurisdiction of IDOT.
- 14/49 (29%)** Total number of intersections proposed for improvements that are under the jurisdiction of Cook County.
- 20/49 (41%)** Total number of intersections proposed for improvements that are under the jurisdiction of the Village.

*Figure 1: Plan Recommended Network Updates*

## Capital Project Status

Capital project recommendations were shown in Tables 4, 5, 7, 11, and 12 of the adopted plan, and those completed as of April 2022 are shown in **Figure 2**.

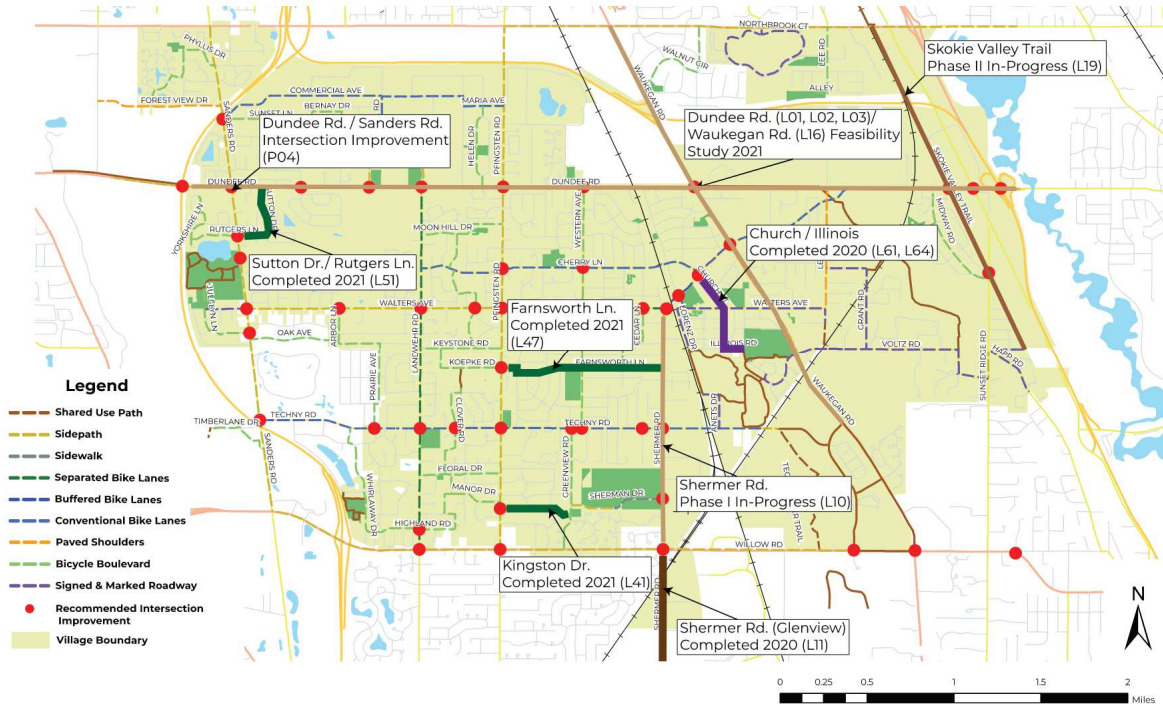


Figure 2: Completed & In-Progress Projects

Completed projects and those in progress are described below, including the project scope, status, total project cost, project costs incurred by the Village.

### *Dundee Road (L01, L02, L03)*

**Status:** Feasibility Study Completed in 2021  
**Total Project Cost:** \$10.3 million  
**Village Cost:** Pending Grant Awards

In 2020 and 2021, the Village of Northbrook conducted a feasibility study to determine whether it would be feasible to construct a sidepath along Dundee Road between the Potawatomi Woods and the Chicago Botanic Gardens, with the objective of selecting a preferred side of the roadway, method of construction, and to divide the corridor into smaller segments to construct the project in parts. The analysis criteria for feasibility were the following:

- Existing sidewalks
- Driveways
- Structures, Grading, and Drainage Constraints
- Land use, Tree, and Right of Way Constraints
- Signalized Intersections
- Aerial Utilities and Roadway Lighting
- Railroad Constraints
- Existing and Planned Bike Facility Connections

Construction of a sidepath along the south side of Dundee Road was estimated at \$10.3 million and was recommended to be constructed as five smaller projects, ranging in price from \$1.0 million to \$3.2 million each.

### *Waukegan Road Sidepath (L16)*

**Status:** Feasibility Study Completed in 2021  
**Total Project Cost:** \$6.77 million  
**Village Cost:** Pending Grant Awards

In 2020 and 2021, the Village of Northbrook conducted a feasibility study to determine whether it would be feasible to construct a sidepath along one or both sides of Waukegan Road between Founders Drive and Lake Cook Road, with the objective of selecting a preferred side of the roadway, method of construction, and to divide the corridor into smaller segments to construct the project in parts. This corridor was evaluated to determine feasibility using the same criteria used for Dundee Road.

Construction of a sidepath along the either side of Waukegan Road was estimated at \$6.77 million and was recommended to be constructed as four smaller projects, ranging in price from \$1.1 million to \$2.9 million each.

### *Shermer Road Sidepath (L10)*

**Status:** Phase I in Progress  
**Total Project Cost:** \$2.43 million  
**Village Cost:** \$211,000 to date (includes Phase I engineering)

The Village conducted a preliminary engineering study for the construction of a sidepath along Shermer Road from Willow Road to Walters Avenue in 2020, and submitted a draft project development report to IDOT at the end of April 2022.

### *Shermer Road Sidepath (Glenview) (L11)*

**Status:** Completed in 2020  
**Total Project Cost:** \$1.25 million  
**Village Cost:** \$106,000

In 2020, the Village of Glenview constructed a 10-foot wide sidepath along the east side of Shermer Road between Lake Avenue and Willow Road. The project was funded in part by an Illinois Transportation Enhancement Program (ITEP) grant which covered 80% of the project cost. The remaining 20% of the cost was split between Glenview (\$144,000) and Northbrook (\$106,000).

### *Skokie Valley Trail (L19)*

**Status:** Phase II in Progress  
**Total Project Cost:** \$4.10 million  
**Village Cost:** \$1.07 million

The portion of the Skokie Valley Trail between Lake Cook Road and Voltz Road Phase II is in progress. The shared use path fills the critical gap in the Skokie Valley Trail system and will link to many destinations along the Trail. The Skokie Valley Trail project received grant funding from CMAP under the Transportation Improvement Program (TIP). Within the approved TIP, the Transportation Alternatives Program (TAP) allocated approximately \$2.78 million for the construction and construction engineering phases.

### *Kingston Drive Bike Boulevard (L41)*

**Status:** Completed in 2021  
**Total Project Cost:** \$4,100  
**Village Cost:** \$4,100

In 2021, the bike boulevard along Kingston Drive between Pflingsten Road and The Strand was designed and installed. The scope of work included the installation of shared lane markings and directional signage to assist bicyclists in navigating.

***Farnsworth Lane Bike Boulevard (L47)***

Status: Completed in 2021  
Total Project Cost: \$15,600  
Village Cost: \$15,600

In 2021, the bike boulevard along Koepke Road, Birch Road, and Farnsworth Lane between Pflingsten Avenue and Shermer Road was designed and installed. The scope of work included the installation of shared lane markings and directional signage to assist bicyclists in navigating.

***Rutgers Lane / Sutton Drive Bike Boulevard (L51)***

Status: Completed in 2021  
Total Project Cost: \$4,150  
Village Cost: \$4,150

In 2021, the bike boulevard along Sutton Drive and Rutgers Lane between Sanders Road and Dundee Road was designed and installed. The scope of work included the installation of shared lane markings and directional signage to assist bicyclists in navigating.

***Church Street / Illinois Road Signed & Marked Roadway (L61, L64)***

Status: Completed in 2020  
Total Project Cost: \$7,100  
Village Cost: \$7,100

In 2020, the marked roadway along Church Street and Illinois Road between Shermer Road and Orchard Lane was designed and installed.

***Dundee Road / Sanders Road Intersection Improvement (P04)***

Status: Completed in 2020  
Total Project Cost: \$115,000  
Village Cost: \$115,000

In 2021, the intersection at Dundee Road and Sanders Road was improved with new ADA ramps, pedestrian push buttons, pedestrian signal posts, and traffic signal mast arm and signal posts.

***Village of Northbrook RTA Access to Transit Grant-Funded Projects***

Status: Phase II Engineering  
Total Project Cost: \$250,000  
Village Cost: \$23,165

In 2021, the Village of Northbrook submitted an RTA Grant application to implement a portion of the BPP near the Northbrook Metra Station, consisting of six projects. The Village received an RTA access to transit grant covering 80% of the project cost, which included signed and marked roadways, Pace and Metra signage, and the installation of a bike parking shelter at the Northbrook Metra Station.

- Grant Road Signed and Marked Roadway (L62)
- Lee Road Signed and Marked Roadway (L65)
- Lorenz Drive Signed and Marked Roadway (L66)
- Voltz Road Signed and Marked Roadway (L70)
- Walters Avenue Signed and Marked Roadway (L73)
- Bike Parking Shelter at the Northbrook Metra Station

### *Village Wide ADA Ramp Upgrades*

Improving accessible connectivity for pedestrians is a priority for the Village. Since the adoption of the BPP, 422 ADA ramps have been upgraded Village wide. 190 ramps were improved in 2020. This was the most productive year for ADA ramp improvement in the Village since the adoption of the BPP.