Lincoln Village
Pedestrian Bicycle Bridge
Community Meeting  September 13th, 2016
Purpose of the Meeting

- Introduce the project and the proposed improvements
- Review existing conditions
- Discuss the needs and benefits of the project
- Project schedule

Stakeholders

- 50th Ward Community
- Chicago Residents
- Trail Users
- City of Chicago
- Chicago Park District
- Illinois Department of Transportation
- Federal Highway Authority
- The Metropolitan Water Reclamation District
- United States Army Corp of Engineers
- Illinois Department of Natural Resources
- Illinois Environmental Protection Agency
- United States Coast Guard
Project Overview

Project Location
- North Shore Channel Trail
- New Pedestrian Bicycle Bridge will cross the North Shore Channel south of Devon Ave. and North of Lincoln Ave.
- Connects the existing shared-use path on the east and west side of the North Shore Channel

Project Scope
- New prefabricated pedestrian bicycle bridge and trail improvements
  - Asphalt pavement, pavement markings, retaining wall, landscape, and lighting

Project Status
- Phase I Preliminary Engineering and regulatory approval process
  - Completed survey and data collection; determined the bridge alignment; obtained environmental clearances; completed the conceptual design; coordinating with permitting agencies; preparing the project development report for IDOT and FHWA approval
The North Shore Channel Trail is a multi-use path that follows the North Shore Channel north, through Chicago, Lincolnwood, Skokie, and Evanston.

The North Shore Channel Trail extends from the junction of Green Bay Road and McCormick Boulevard in northern Evanston to the junction of Lawrence Avenue and Francisco Avenue in Chicago.

Approximately 6.7 miles long.

The Trail is used to connect to the northern suburbs, Skokie Northshore Sculpture Park, numerous parks along the trail, Chicago Botanic Gardens, Erickson Woods, Skokie Lagoons.
Project Context - Regional

- Chicago Botanic Garden
- Green Bay Road Bike Lanes
- Forest Preserve Bike Trails
- North Branch Trail
- Saganash Valley Trails
- North Shore Channel Trail
- Weber Spur Lincolnwood Ext
- North Branch Trail Extension
- Weber Spur
- Elston Ave Bike Lanes
- Milwaukee Ave Bike Lanes, to Loop

Map Elements:
- Existing Bicycling Network
- Proposed Bicycling Network
- Bike Share Stations

Projects:
- Manor Avenue Neighborhood Greenway
- Lawrence and Manor
- North Branch Trail Extension
- North Avenue Ped/Bike Bridge
- Irving Park Underbridge
- Riverwalk Bridge
- Manor Avenue’s Industrial Corridor Modernization - North Branch

Features:
- Multi-modal pedestrian and bicycle refuge islands
- New sidewalk

Construction:
- Manor Avenue Neighborhood Greenway: Construction to start later in 2017
- Lawrence and Manor: Construction to start in Summer 2017
- North Branch Trail Extension: Construction to start later in 2017
- North Avenue Ped/Bike Bridge: Construction to start Winter 2018
- Irving Park Underbridge: Construction to start later in 2017
- Riverwalk Bridge: Construction to start Winter 2018

Acknowledgment:
Mapping and design by Kristina O’Brien

CDOT - Bike Plan 2017-2026

CDOT is planning for future investments in bike infrastructure across our region. This plan will guide the development of multi-modal transportation networks that provide safe and convenient options for all residents.
Moving Along the Trail – North of Devon from Lincoln Wood
Moving Along the Trail - Chicago Park Districts Proposed “Park 526”
Moving Along the Trail - Trail passes by Apartment Building and Ramp to Canoe Launch
Moving Along the Trail - Trail ends at Lincoln Ave, Trail users use Lincoln Ave or Sidewalk
Moving Along the Trail - Trail users backtrack to pass under Lincoln & Peterson Bridges
Moving Along the Trail - Trail then continues south through Legion Park
Existing Project Conditions

Currently use high volume Lincoln Ave/US 41 to connect to the North Shore Channel Trail on either side of the channel.
Project Needs and Benefits

**Needs:**
- To provide a safe crossing; high traffic volumes on Lincoln Ave makes access and crossing difficult for trail users
- To complete the final connection on the North Shore Channel Trail

**Benefits:**
- Provides a safe grade separated crossing; pedestrians and cyclists will no longer need to use high volume US 41 to continue on the trail, improving safety for all users
- Connects the existing shared-use path on the east and west side of the North Shore Channel, closing the final gap in the 6.7 mile North Shore Channel Trail
- The bridge is the final link in the contiguous multi-use trail connecting four municipalities along the North Shore Channel.
Proposed Project Improvements

- A single-span prefabricated weathered steel bicycle and pedestrian bridge
- Bridge Abutments located outside the waterway
- Span is approximately 180 feet
- Vertical Clearance above water varies: 9’8” at 50 year high water level
- 16 ft. wide (inside clear distance) - concrete deck/path
- Will connect to a 12 ft. wide multi-use path with 2 ft. shoulder on each side
• Weathered Steel to compliment outdoor setting
• Mechanically Stabilized Earth retaining wall to stabilize embankment
• Asphalt path with concrete bridge deck with required pavement markings
• Fencing and Lighting along both approaches to the bridge
• Vegetation removal and landscape improvements
Close-up view of Bridge
Examples of Pedestrian/Bike Bridges

Prefab Bridge being Delivered

Prefab Bowstring Truss Bridge

Valley Line Trail Bridge N. Rogers Ave

North Spaulding Ave

La Rosa Reserve Green Bay
Examples of Pedestrian/Bike Bridges
Project Schedule

Complete Phase I Preliminary Engineering and submit for IDOT and FHWA approval  
Fall 2016

Complete Final Design and Engineering and submit for IDOT and FHWA approval  
Early Summer 2017

Bid and Award Construction Contract  
Fall 2017

Start Construction  
Winter 2018
Thank you

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