

## FOX RIVER CORRIDOR PLAN FROM BURTONS BRIDGE TO FOX BLUFF

Kate Evasic and Kelsey Pudlock, Chicago Metropolitan Agency for Planning Fox River Ecosystem Partnership | November 13, 2019

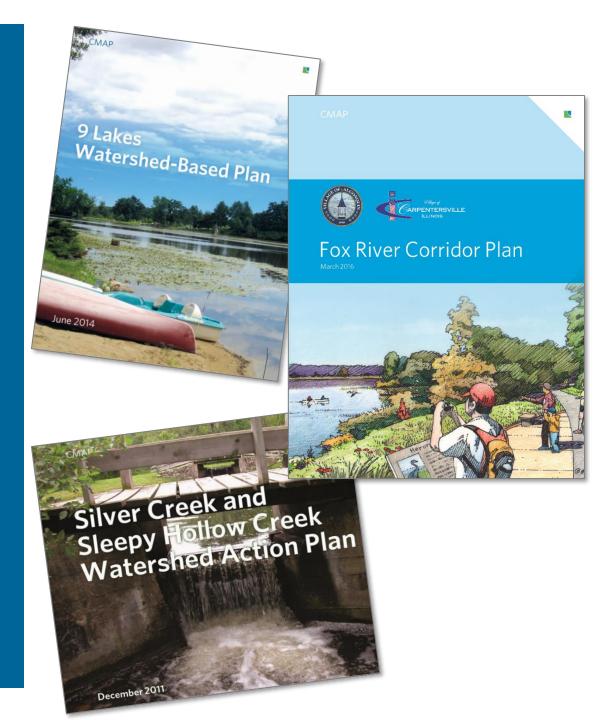


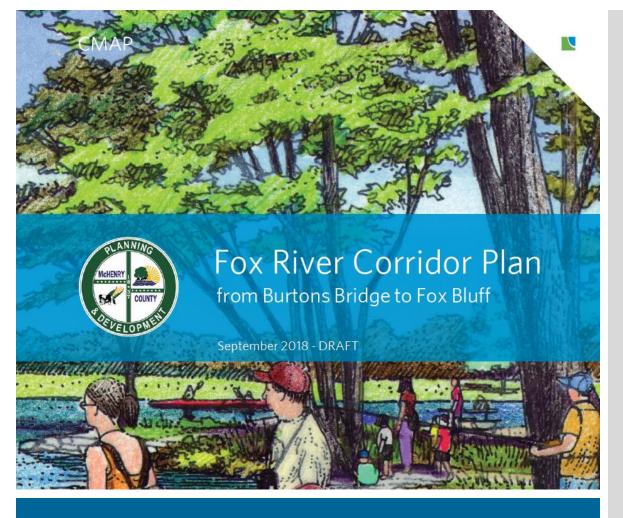


- Planning process
- Climate vulnerability assessment
- Recommendations
- Implementation and future work

#### **AGENDA**

#### PREVIOUS PLANNING EFFORTS





THE FOX RIVER CORRIDOR
PLAN

Establishes a vision for the next 10 to 15 years.

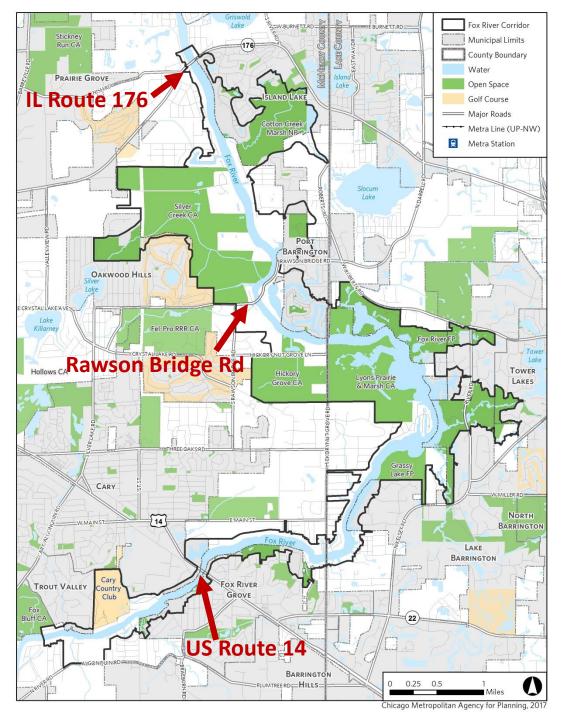
Outline the steps needed to meet that goal.

Builds on existing plans, water trail.

Helps set priorities, coordinate decision-making, and obtain grants.



# THE FOX RIVER CORRIDOR PLAN STUDY AREA



Burtons Bridge
Cary
Fox River Grove
Island Lake
Lake Barrington
Oakwood Hills
Port Barrington
Trout Valley

Cary Country Club
Cotton Creek Marsh
Fox River FP
Grassy Lake FP
Hickory Grove CA
Lyons Prairie & Marsh CA
Silver Creek CA
Wagner Fen

## Collaboration between CMAP and McHenry County Planning & Development





Funding: Federal Highway Administration, Illinois EPA, NOAA, among others

#### **Steering Committee:**

Cary Park District McHenry County

**Environmental Defenders of McHenry** McHenry County Bicycle Advocates

County McHenry County Conservation District

Flint/Spring Creek Watershed Partnership Village of Cary

Fox River Study Group Village of Fox River Grove

Fox Waterway Agency Village of Lake Barrington

Illinois DNR Village of Oakwood Hills

Lake County Village of Port Barrington

Lake County Forest Preserves Village of Trout Valley

**Visit McHenry County** 

#### THE FOX RIVER CORRIDOR PLAN

June 2015 Applied to CMAP's LTA program

**Sep. 2016** Project kickoff

Mar. 2017 Public meeting #1

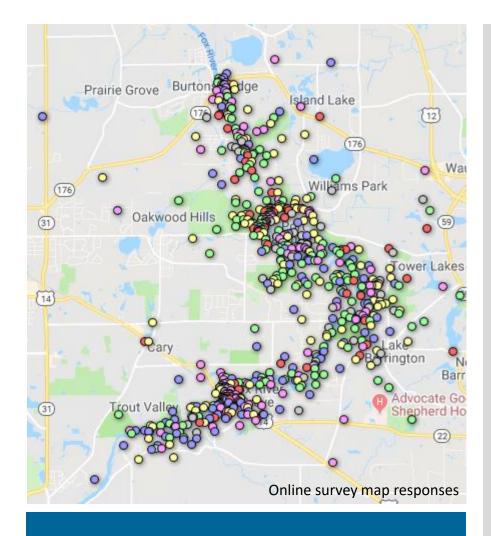
**Sep. 2017** Public meeting #2

Oct. 2017 Existing conditions report released

July 2018 Draft plan released for review

Aug. 2018 Public meeting #3 and public comment

#### **PROJECT TIMELINE**



COMMUNITY
ENGAGEMENT

Steering committee

Stakeholder interviews

Online survey

Public meetings (3)

Total participants = 465

Cary Main Street Fest
Fox River Summit
McHenry County Water
Forum



## **COMMUNITY ENGAGEMENT**

#### **Broad themes:**

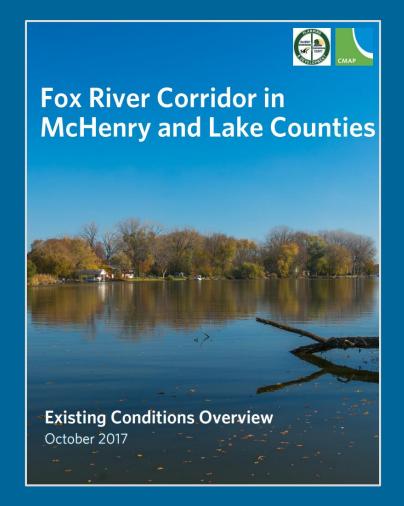
- Preserve the scenic beauty and environment
- Balance a mix of activities
- Provide more public riverfront access, but no river trail
- Attract more familyfriendly businesses and activities



## **COMMUNITY ENGAGEMENT**

## Top five ideas from public visioning workshop:

- Sediment management
   & dredging
- 2. Boater safety education
- 3. Water quality & environmental education
- 4. Stormwater management
- 5. Keep river as a local resource



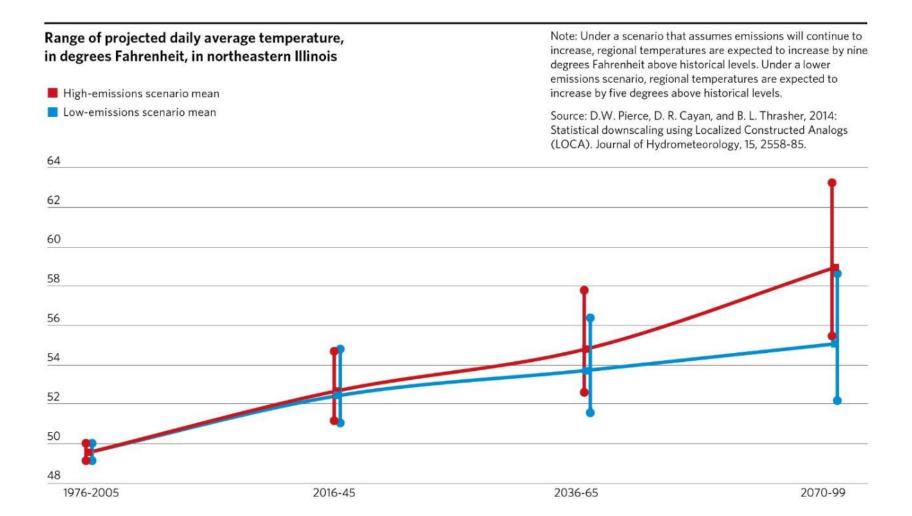
EXISTING CONDITIONS REPORT

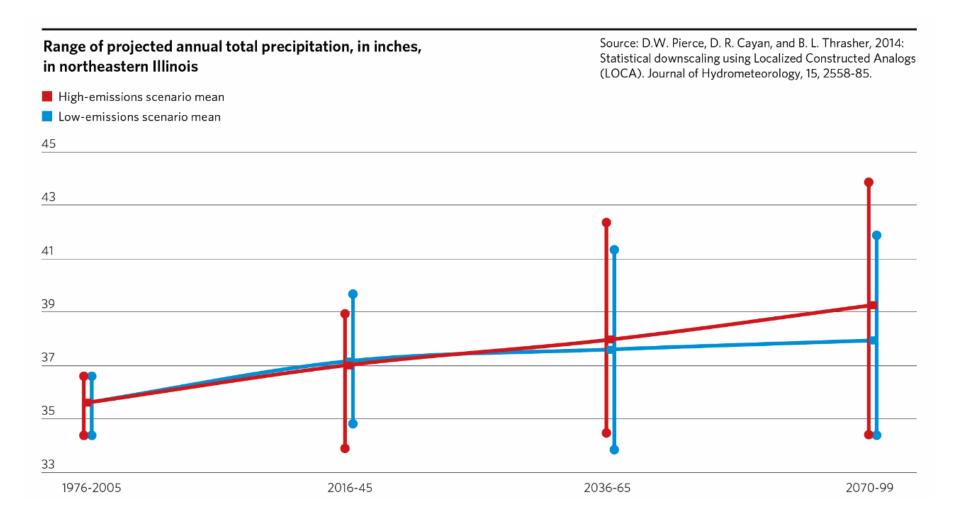
Community Outreach
Water Quality and
Flooding

Open Space, Habitat, and Recreation

Transportation and Access

**Economic Development Climate Vulnerability** 





Climate change science

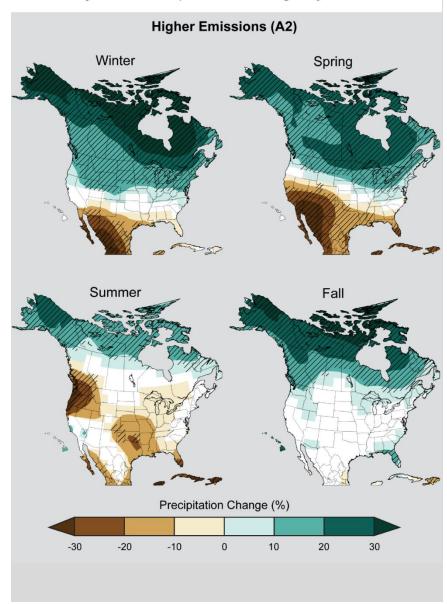
Local planning

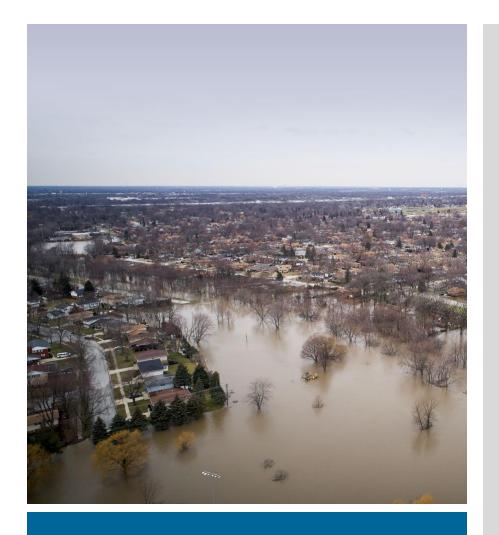
Data availability

Local capacity

## CLIMATE SCIENCE AND LOCAL PLANNING

#### Projected Precipitation Change by Season



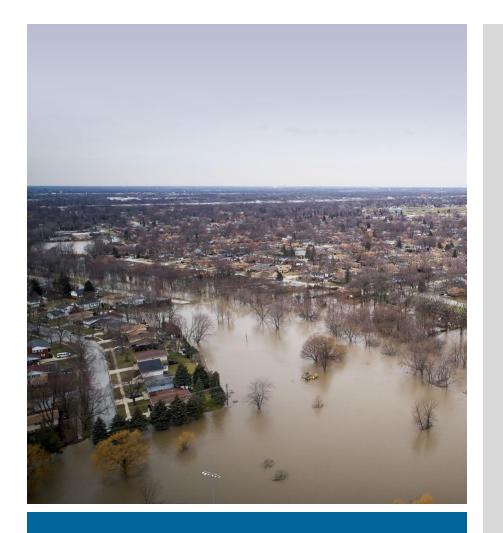


## CLIMATE SCIENCE AND LOCAL PLANNING

Funded by NOAA's
 Sectoral Applications
 Research Program
 (SARP)

#### Partners:

- American Planning Association (APA)
- Illinois State Water Survey (ISWS)



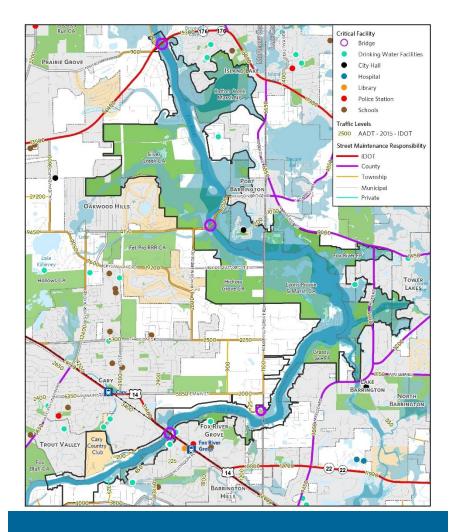
One of five pilot communities

Climate vulnerability

Fox River Corridor –

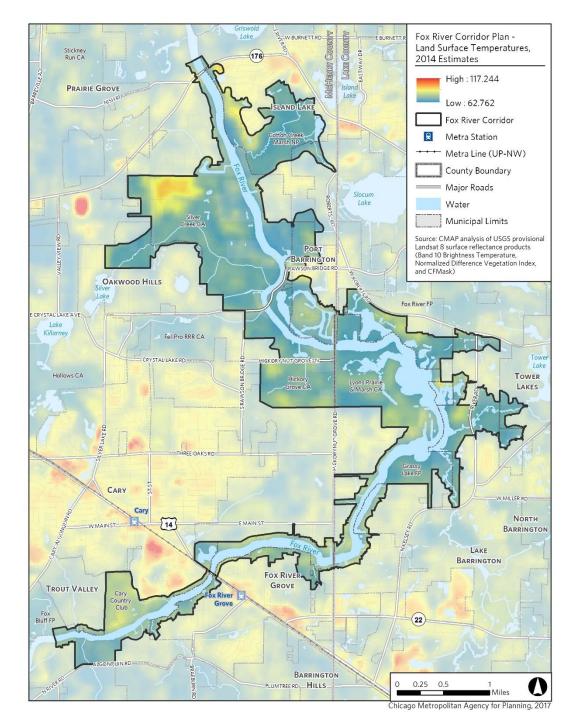
Climate vulnerability assessments

CLIMATE SCIENCE AND LOCAL PLANNING



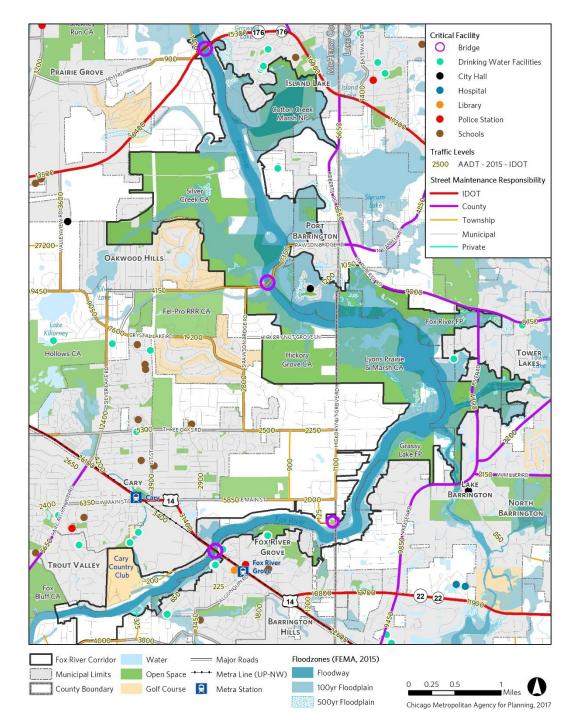
#### VULNERABILITY ASSESSMENT

- Key findings
- Climate and natural hazards
- Vulnerability and risk assessment
  - 1. Critical infrastructure
  - 2. Social vulnerability
  - 3. Economic impacts
- Looking Forward



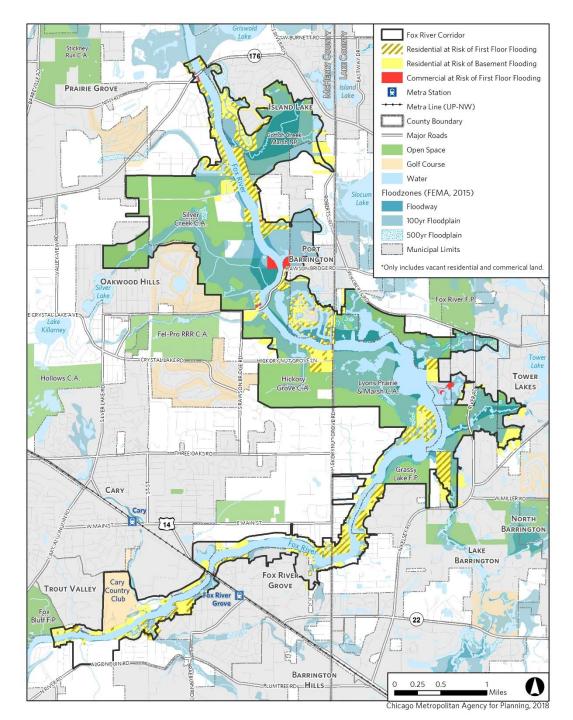
## Climate and natural hazards –

- Flooding
- Drought
- Severe Storms
- Snow and ice
- Extreme heat



## Vulnerability and risk assessment –

- Critical infrastructure
- Economic impacts
- Social vulnerability



#### **Key findings** –

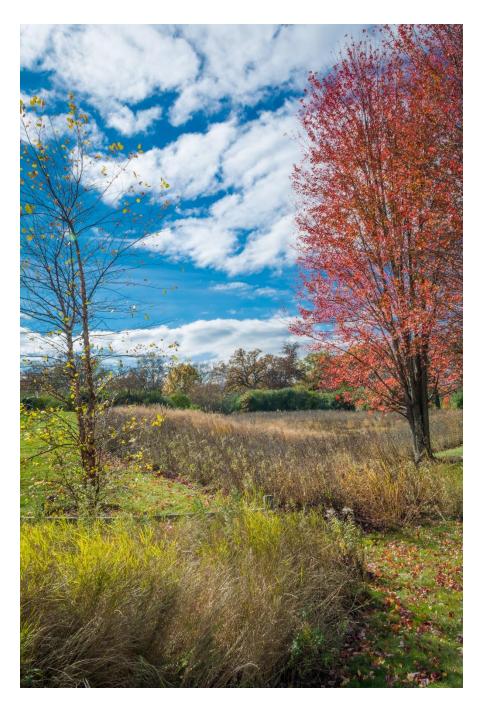
Overbank flooding





#### **Key findings** –

- Overbank flooding
- River/business closures



#### **Key findings** –

- Groundwater shortages
- Degraded ecosystems & habitat







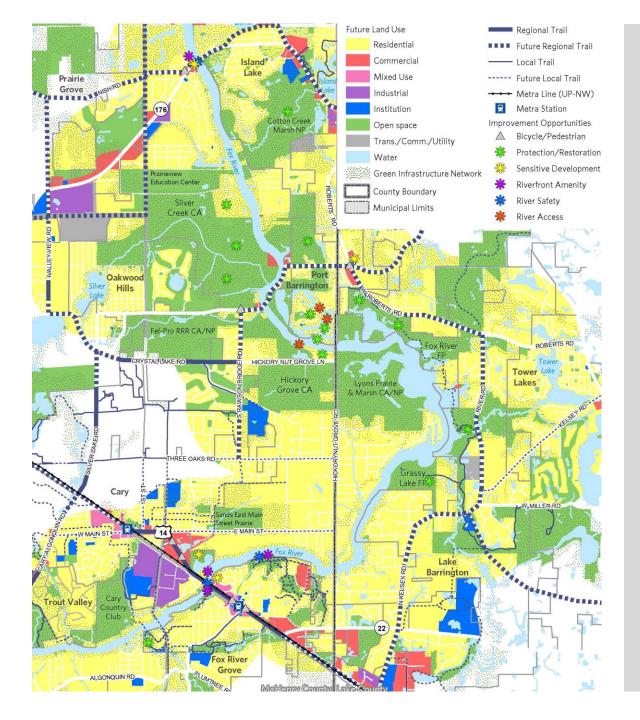
#### **Looking forward**-

- Flood mitigation& recovery
- Stormwater management & erosion control
- Natural resources management
- Regional coordination

#### **Questions?**

- Create a **healthy, safe, and accessible** river environment.
- Balance the preservation and recreational use of the Fox River and connected natural areas.
- Foster a culture of appreciation and stewardship among residents, businesses, and river users.
- Preserve the area's rural and local character.
- Enhance the vibrancy of the riverfront and nearby commercial and downtown areas.
- Protect high quality and diverse habitats.
- Strengthen **resilience** to the effects of climate change to better withstand floods, droughts, and other impacts.

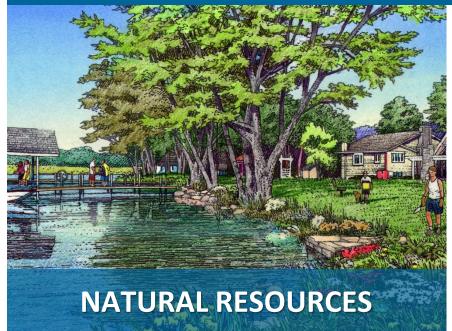
#### **GUIDING PRINCIPLES FOR THE PLAN**



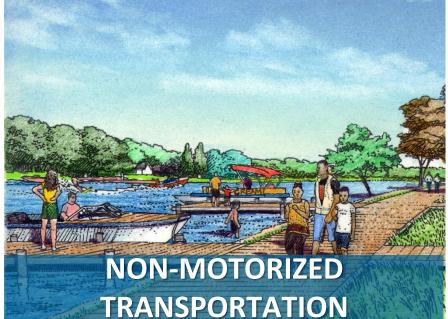
#### **Framework Plan:**

- Future land use
- Green infrastructure
- Bikeways
- Improvement opportunities

#### PLAN RECOMMENDATION AREAS

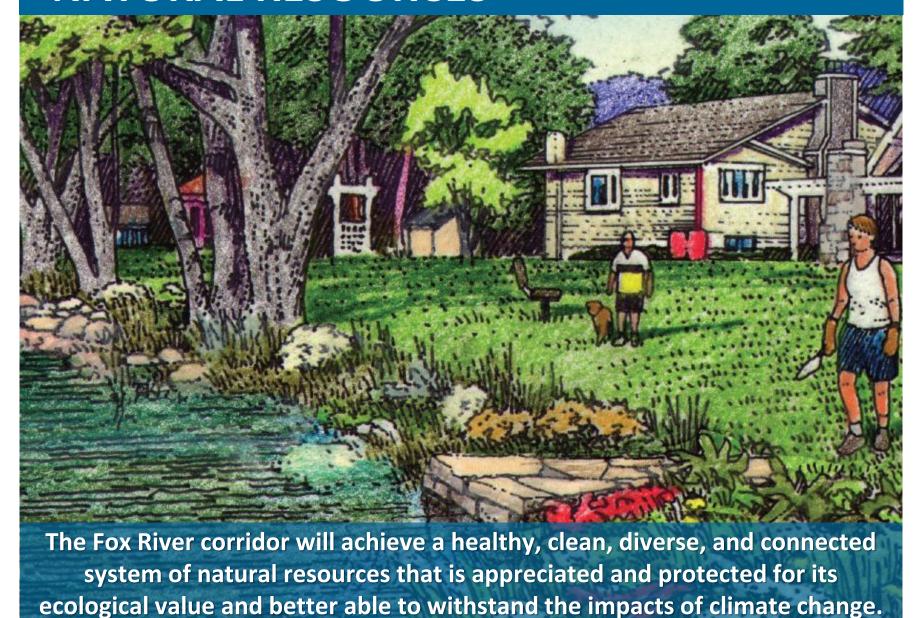








#### **NATURAL RESOURCES**

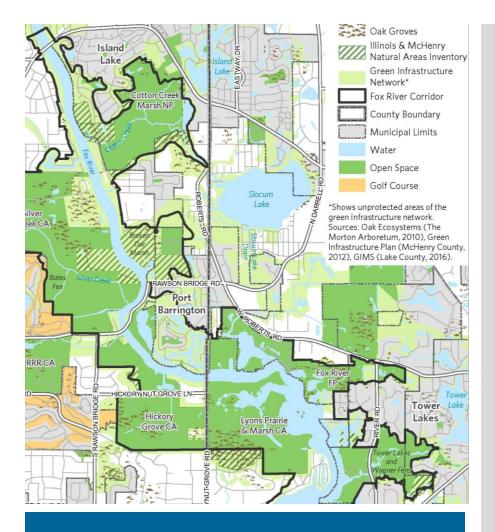




COLLABORATE TO LEVERAGE RESOURCES AND MAXIMIZE IMPACT

- Support existing groups
- Tailor outreach

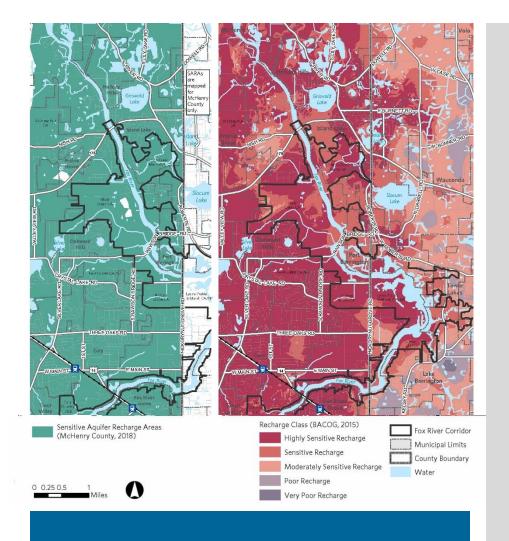




PROTECT AND RESTORE GREEN INFRASTRUCTURE

- Strengthen local ordinances and plans.
- Target green infrastructure expansion and management.
- Improve stormwater management and erosion control.

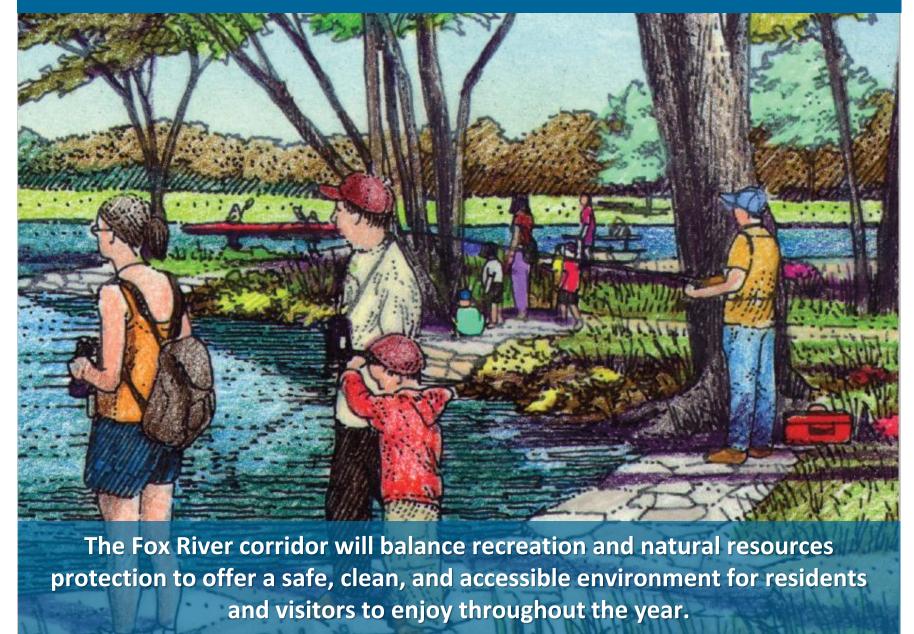


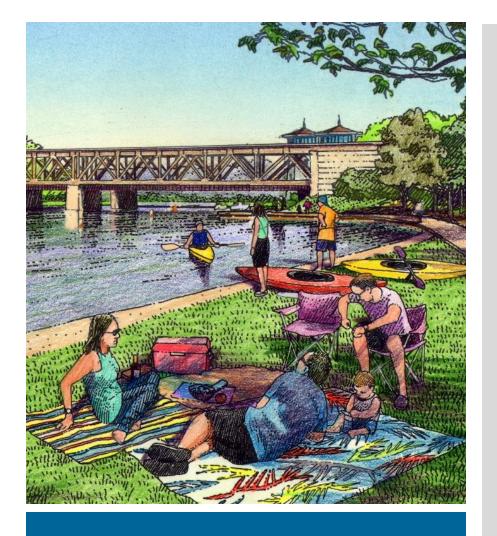


MAINTAIN AND ENGANCE GROUNDWATER RESOURCES

- Sensitive aquifer recharge areas (SARA) and BACOG aquifer sensitivity
- Groundwater protection and water conservation ordinances

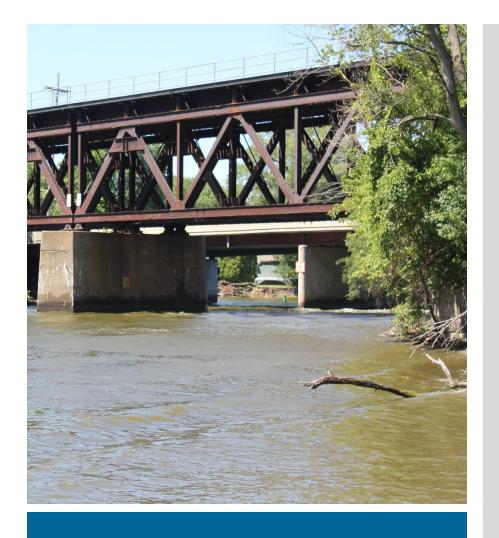
#### **RECREATION AND OPEN SPACE**





PARTICIPATE IN THE FABULOUS FOX WATER TRAIL INITIATIVE

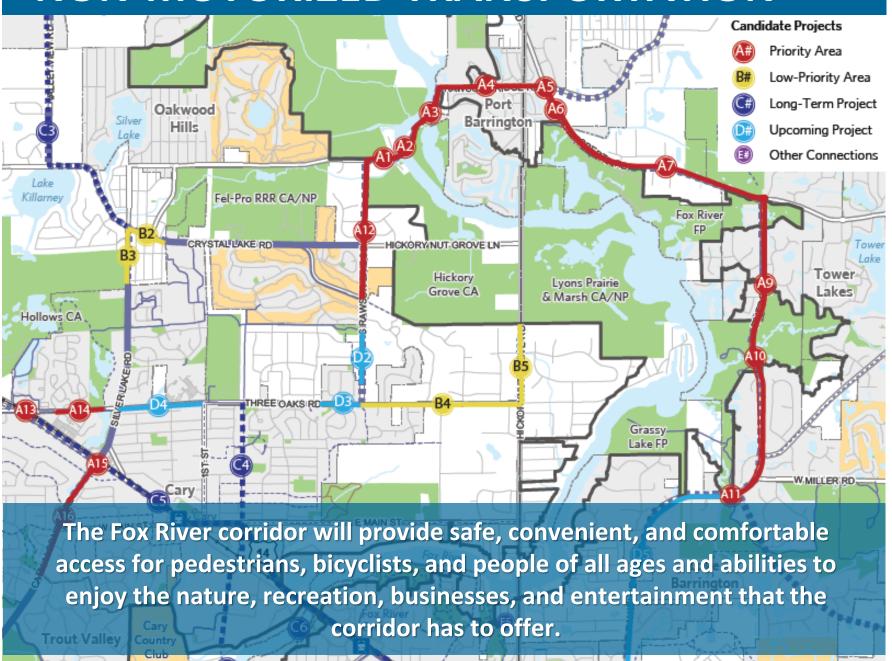
- Community engagement
- Access point identification and improvement
- Safety enhancements / education
- Branding and marketing

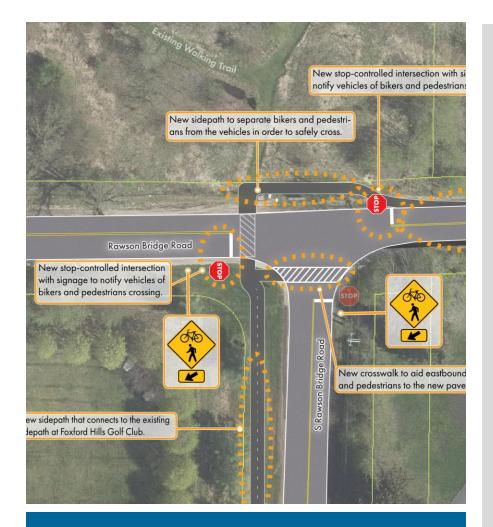


IMPROVE SAFETY FOR ALL RIVER USERS

- Safety education
- Coordination among enforcement agencies
- Any establishment of safety/"no-wake" zones should be led by the communities with public input

#### **NON-MOTORIZED TRANSPORTATION**





### EXPAND THE BICYCLE AND PEDESTRIAN NETWORK

#### **Priority Areas**

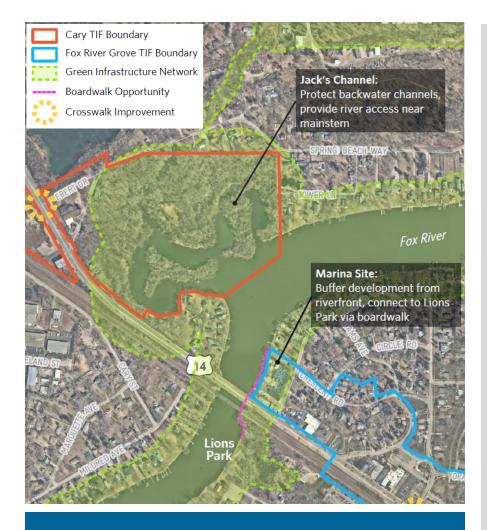
- Rawson Bridge Road\*
- South Rawson Bridge Road\*
- Rawson/Roberts intersection
- Kelsey Road
- Three Oaks Road
- Cary Algonquin Road

\*Plan provides concept plans and cost estimates for improvements

#### **ECONOMIC DEVELOPMENT/PLACEMAKING**



The Fox River will be a primary gateway into corridor communities, creating a vibrant and unique place that leverages river recreation, placemaking, and sensitive development opportunities to expand the local economy.



### PURSUE RIVER-ORIENTED ECONOMIC DEVELOPMENT

- Preserve floodplains and wetlands
- Reduce stormwater runoff
- Improve aquatic habitat
- Provide river access /recreation
- Provide infrastructure for people biking and walking

#### **Questions?**

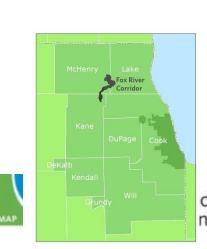
## How can we promote implementation?

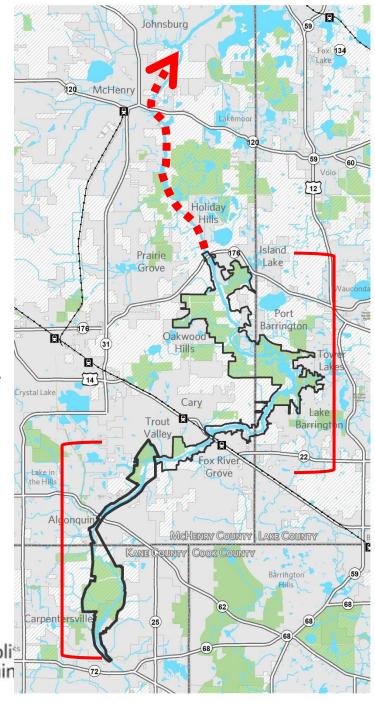
#### Planning upstream

2016: Algonquin and Carpentersville

2018: Burtons Bridge to Fox Bluff

Upcoming: Johnsburg to Burtons Bridge







#### **Burtons Bridge** to Johnsburg

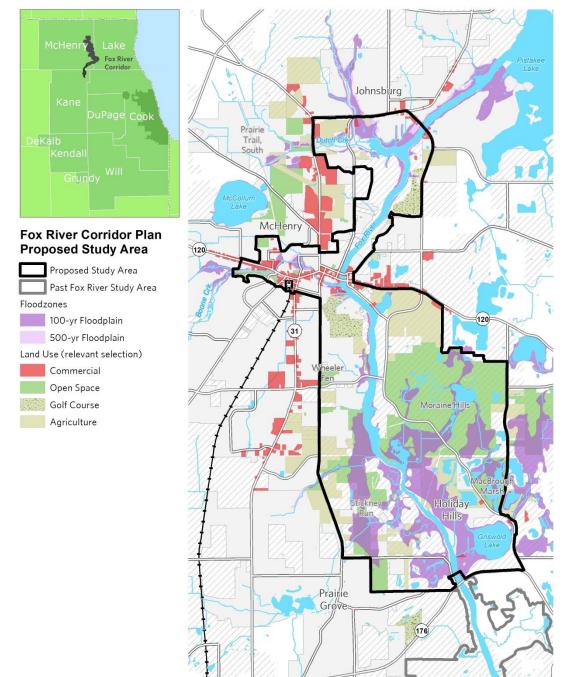
McHenry County P&D

City of McHenry

Village of Johnsburg

Village of Holiday Hills

**IDNR** 



## What should we consider in the next stretch?



#### **THANK YOU!**

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