



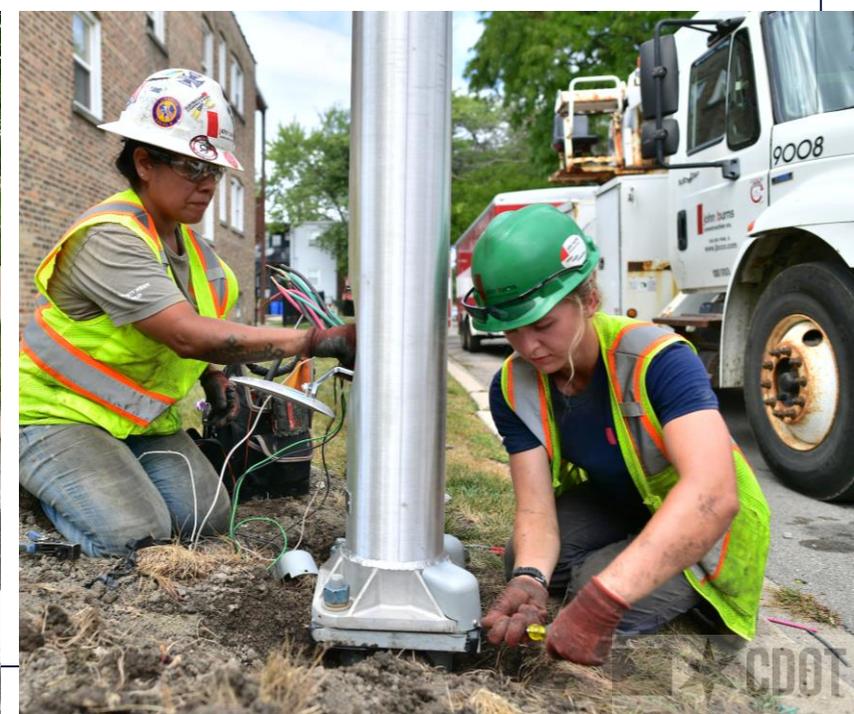
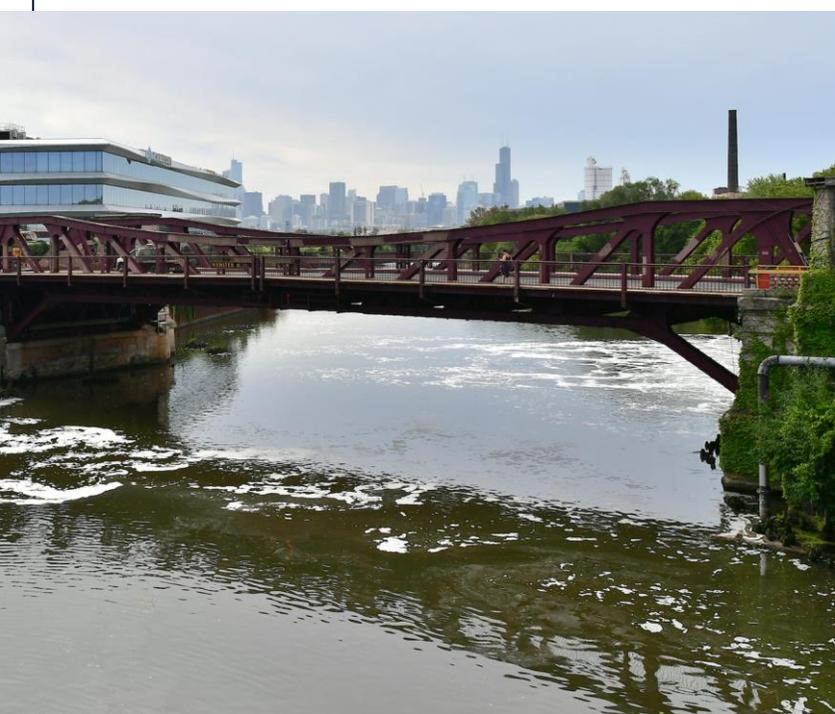
# TRACK B: Transportation, Infrastructure, and Sustainability



# Transportation

Gia Biagi

*Commissioner of Chicago Department of Transportation*



# FEDERAL INFRASTRUCTURE FUNDING

## Infrastructure Investment and Jobs Act – \$1.2T

- Once-in-a-generation
- Grows the economy, jobs, makes U.S. + Chicago more sustainable, resilient, and equitable
- Includes funds for:
  - Largest federal investment in public transit ever
  - Largest federal investment in passenger rail since the creation of Amtrak
  - Largest dedicated bridge investment since the construction of the Interstate Highway System
  - Largest investment in clean drinking water & wastewater infrastructure in U.S. history
  - Largest investment in clean energy transmission & electric vehicle infrastructure in history
  - Ensuring every American has access to reliable high-speed internet

## Key Themes

- Federal: Equity, Climate, Made in America, Jobs
- Local: Mobility, Modernization, Resilience



# ANTICIPATED WORK

## Types

- Bridge + Viaduct Rehabilitation
- Street Resurfacing + Reconstruction
- Street Lighting + Pole Replacement
- Traffic Signal Modernization
- Sidewalks, ADA ramps, curb/gutter
- Streetscapes, ped/bike safety
- Tree-planting, green alleys
- Lake Michigan Shoreline Protection

## Delivery

- Professional services: engineering, architecture, planning, urban design, landscape architecture
- Construction management
- Construction contracting
- Trucking, materials
- In-house: labor, project management, administrative, engineering, operations, et al.



# UPCOMING OPPORTUNITIES

## Next Quarter

### Bridge Project

- 31<sup>st</sup> Street Bridge over Metra and CN rail at DuSable Lake Shore Drive

### Street Resurfacing Projects (4)

- Arterial Streets including concrete, sidewalk, ADA ramps, pavement markings, resurfacing

### Viaduct Project

- Canal Street Viaduct reconstruction from Madison Street to Adams Street at Union Station

### Vertical Clearance

- Cermak Road reconstruction for vertical clearance at Beltline railroad viaduct

And...CDOT is hiring!



# HOW TO PARTICIPATE

ATTEND CONSTRUCTION SUMMIT

“First Look” Workshop: March 24, 9:30-5PM

HIRE LOCAL

[www.chi.gov/BuildYourTeam](http://www.chi.gov/BuildYourTeam)

[www.ChiCookWorks.org](http://www.ChiCookWorks.org)

[www.chi.gov/ChiWorksJobs](http://www.chi.gov/ChiWorksJobs)

STAY CONNECTED

[www.chicago.gov/CDOT](http://www.chicago.gov/CDOT)

[www.cityofchicago.org/eProcurement](http://www.cityofchicago.org/eProcurement)

[www.cityofchicago.org/bids](http://www.cityofchicago.org/bids)

[www.YouTube.com/ChicagoDPS](http://www.YouTube.com/ChicagoDPS)





# Transportation

Jamie L. Rhee

*Commissioner of Chicago Department of Aviation*

# FEDERAL SUPPORT FROM THE BIL SUPPORTS CDA'S O'HARE 21 CAPITAL PROGRAM



Additional Federal funding ensures upcoming projects move forward and retain key elements that increase capacity, reduce energy use, and enhance accessibility

O'Hare's Terminal Area Plan is currently under Federal regulatory review; construction is anticipated over the next several years

The BIL Airport Terminal Program's goals are addressed with O'Hare's Terminal Area Plan and related projects

- Increase capacity and passenger access
- Replace aging infrastructure
- Achieve ADA compliance and expand accessibility for persons with disabilities
- Improve access for historically disadvantaged populations
- Improve energy efficiency, including upgrading environmental systems, upgrading plant facilities, and achieving Leadership in Energy and Environmental Design (LEED) accreditation standards
- Improve actual and potential competition



# BIL'S FUNDING ENHANCES CDA'S ABILITY TO SERVE THE CHICAGO MARKET

- Investment in Chicago's airports benefits the City of Chicago, the overall region, and the National Airspace System
- The City's goals to build capacity in small and diverse businesses align with the DOTs
  - In 2021, CDA spent more than \$296 million with certified minority firms – 37% (30% MBE, 7% WBE) of the total spend and a \$77 million increase over 2020
- The City has demonstrated successful stewardship and utilization of over \$1 billion in Federal grants for the O'Hare Modernization Program
  - Successfully delivered full airfield program
  - Furthered the creation of approximately 32,400 construction and professional jobs

## Needs for Capital Investment Supported by O'Hare 21

Address Aging Facilities	Improve Efficiency	Improve Passenger Experience	Efficiently Accommodate Demand
<ul style="list-style-type: none"> <li>• Some of the Airport's facilities are approaching 60 years old and nearing the end of their useful life</li> <li>• Terminal 2 opened in 1962 and has undergone limited major renovations</li> </ul>	<ul style="list-style-type: none"> <li>• Ageing terminals and systems including baggage handling systems are inefficient with multiple operational challenges</li> <li>• Improve efficiency of airfield taxi flows</li> <li>• Reduce split international and domestic operations</li> </ul>	<ul style="list-style-type: none"> <li>• Provide upgraded, modern terminal facilities</li> <li>• Reduce delays</li> <li>• Improve amenities and commercial offering</li> <li>• Integrate domestic and international terminal operations</li> </ul>	<ul style="list-style-type: none"> <li>• Provide sufficient terminal space and gates to accommodate forecast demand</li> <li>• Current gates are inflexible to accommodate future growth</li> </ul>
			  

# THE CDA UTILIZES BOTH FEDERAL AND LOCAL INCLUSION INITIATIVES TO ACHIEVE INCLUSION, DIVERSITY, AND EQUITY IN GOVERNMENT CONTRACTING

The Bid & Resource Center provides hands-on technical assistance to contractors, tradespeople, and construction professionals.



50/50 Program & Prompt Payment Initiative

Assist Agency and Accessibility Working Groups

3-Year CDA Buying Plan

Assist Agency Symposiums

Aviation Learning Series

Small Business Symposiums

Mentor Protégé Program  
—  
More than 20 Protégé Firms

SBI, MBI, and  
Target Market Programs

**CDA GUIDES:**  
Procurement Opportunities Guide  
Doing Business With CMR  
Doing Business With Chicago Aviation  
Technical Assistance For Small Businesses

CDA/DPS COVID-19 Grant Program  
—  
10 Programs

Located at the CDA's Administrative Building at O'Hare and open to the public Monday through Friday, 8:30 AM to 4:30 PM. No appointment necessary. Free parking is conveniently located in front of the building. Representatives are onsite to assist.



# WORKING TOGETHER TO MAKE O'HARE 21 A SUCCESS

Connect Chicago Alliance	Studio ORD	Construction Managers at Risk	SOM	HNTB
<ul style="list-style-type: none"> <li>• Jacobs</li> <li>• The Roderick Group (MBE)</li> <li>• GSG Consultants (MBE)</li> <li>• J.A. Watts (WBE)</li> <li>• 9 MBE Subs</li> <li>• 5 WBE Subs</li> <li>• 4 Proteges</li> </ul>	<ul style="list-style-type: none"> <li>• Corgan</li> <li>• SCB Architects</li> <li>• Studio Gang (WBE)</li> <li>• STL Architects (MBE)</li> <li>• Milhouse Engineering (MBE)</li> <li>• 17 MBE Subs</li> <li>• 5 WBE Subs</li> <li>• 3 Proteges</li> </ul>	<ul style="list-style-type: none"> <li>• AECOM Hunt Clayco BOWA JV</li> <li>• Austin Power Partners</li> <li>• Turner Paschen Aviation Partners</li> <li>• 5 certified firms as part of the joint ventures</li> </ul>	<ul style="list-style-type: none"> <li>• 9 MBE Subs</li> <li>• 6 WBE Subs</li> <li>• 13 Proteges</li> </ul>	<ul style="list-style-type: none"> <li>• 8 MBE Subs</li> <li>• 4 WBE Subs</li> <li>• 3 Proteges</li> </ul>

- Invite CDA and our Teams to your community meetings
- Add our events to your newsletters
- Make your constituents aware of our Aviation Learning Series and CDA community outreach events
- Let us know how we can help



# MULTIPLE WAYS TO GET AND STAY ENGAGED WITH O'HARE 21

- Contact us! [ORDMDWSmallBiz@cityofchicago.org](mailto:ORDMDWSmallBiz@cityofchicago.org)



@fly2ohare and @fly2midway



Chicago Department of Aviation



@fly2ohare and @fly2midway

- Interested companies are encouraged to visit [www.ord21.com](http://www.ord21.com) for upcoming CMR bid opportunities and sign up for CDA web alerts.
- To find upcoming CDA and other city bid solicitations, visit [www.chicago.gov/procurement](http://www.chicago.gov/procurement)





# Transportation

Superintendent Jennifer Killen

*Cook County Department of Transportation and Highways*

# Cook County Department of Transportation and Highways

Jennifer “Sis” Killen, Superintendent

The Cook County Department of Transportation and Highways (DoTH) is responsible for planning, designing, constructing and maintaining a range of surface transportation projects in Cook County.

DoTH goes beyond transportation; by promoting and investing in our region, we accelerate economic growth and foster thriving communities.

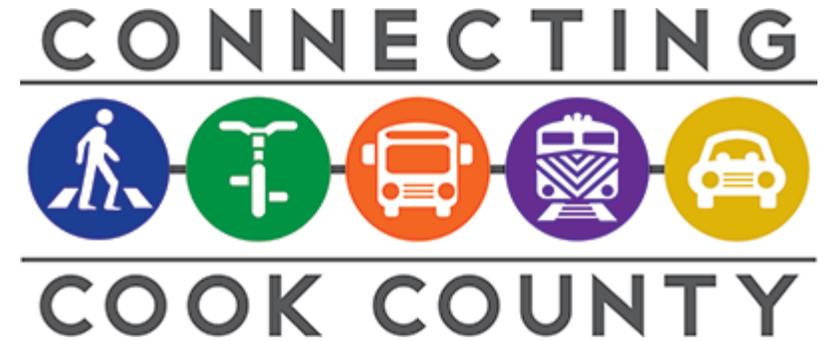


# Connecting Cook County



The Long-Range Transportation Plan set five goals for DoTH's work:

1. Prioritize transit and other transportation alternatives
2. Support the region's role as North America's freight capital
3. Promote equal access to opportunities
4. Maintain and modernize what already exists
5. Increase Investments in transportation



# Invest in Cook Expansion \$25M

**CONNECTING**  
**COOK COUNTY**  
Beyond Transportation



Invest in Cook is an annual grant program (\$8.5 million) which provides funding for priority transportation infrastructure projects.

- Bike/pedestrian, roadway, freight and transit projects
- Funds projects from early-stage studies and pilots to construction
- 162 project awards supporting Connecting Cook County (2017-2021)
- Over 60% of funding directed to high need communities
- Every \$1.00 invested has yielded a \$3.00 return in follow-on funding



# Invest in Cook Expansion



## Project Eligibility

- Any phase of a transportation infrastructure project (planning, engineering, construction and/or land acquisition)
- Projects impacting any transportation asset under local, County, or State jurisdiction
- Limitations – No staff salaries, equipment purchase
- ARPA funded expansion – goes beyond Motor Fuel Tax eligibility to include watermain, sewer, lighting and green infrastructure projects



# Invest in Cook Expansion - \$25M



## Project Implementor Eligibility

- Local governments, including municipalities, township road districts, park districts, and school districts
- Regional transit agencies
- Natural resource or public land agencies
- Private entities, including nonprofits – in partnership with a public sponsor



# Invest in Cook Expansion



## Project Proposal Review Process

Teams of DoTH staff will perform project reviews

- Review of project readiness/feasibility, schedule and budget
- Review of project benefits
- Review community impacts

The Invest in Cook Expansion will:

- Prioritize positive equity impacts
- Distribute project awards across phases, type, and geography
- Consider amount of local match or other funding secured for the project



# Cook County Department of Transportation and Highways



Connect with us:

Email:

HWY.supt  
@cookcountyil.gov

Website:

[cookcountyil.gov/  
agency/transportation-and-  
highways](http://cookcountyil.gov/agency/transportation-and-highways)

Website:

[cookcountyil.gov/  
investincook](http://cookcountyil.gov/investincook)





# Transportation

Director Holly Bieneman  
*Illinois Department of Transportation*

# Bi-Partisan Infrastructure Law (BIL) Infrastructure Investment Jobs Act (IIJA)

## ROADS & BRIDGES

Over five years, Illinois would expect to receive



**\$11.2B** (estimated) for highway development



**\$1.4B** (estimated) of the **\$11.2B** is for bridge replacement and repairs

Illinois can compete for



**\$12.5B** from the Bridge Investment Program for economically significant bridges



**\$16B** in funding for major projects that will deliver substantial economic benefits

## PASSENGER RAIL



**\$66B** invested nationwide for Amtrak repairs, station improvement and train modernization



Will help bring passenger service to new cities and towns across the U.S.

## PUBLIC TRANSPORTATION

Over five years, Illinois would expect to receive



**\$4B** to improve public transportation

## AIRPORTS

Over five years, Illinois would expect to receive



**\$616M** for airport infrastructure development

## ELECTRIC VEHICLES



**\$7.5B** invested nationwide to build a network of EV chargers across the U.S.



Illinois could apply for **\$2.5B** in grant funding for EV charging

Over five years, Illinois would expect to receive

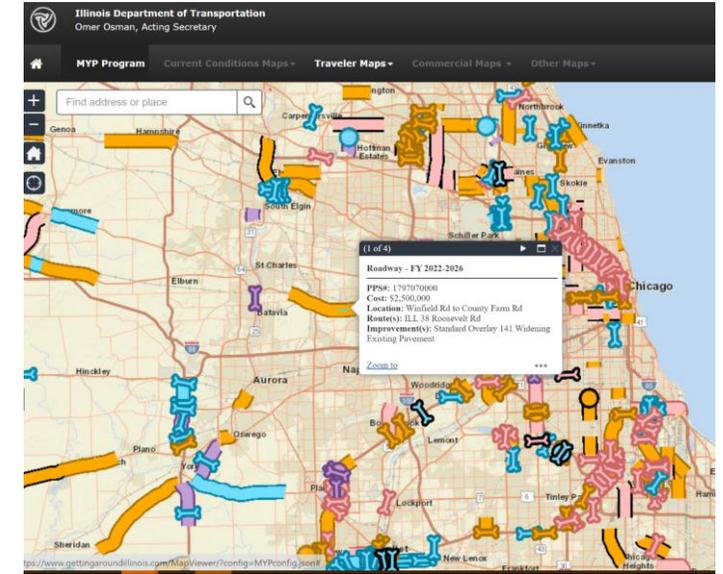


**\$149M** to expand the EV charging network



# ANTICIPATED TIMELINE

- Multi-Year Highway Improvement Program
  - Anticipated Spring
- Opportunities for business (Lettings; PTB)
  - <https://idot.illinois.gov/doing-business/quick-links>
  - <https://idot.illinois.gov/doing-business/procurements/index>
- Call for projects
  - <https://idot.illinois.gov/transportation-system/local-transportation-partners/county-engineers-and-local-public-agencies/index#StayConnected>



# TIPS ON THE KINDS OF APPLICANTS/BIDDERS WHO WILL BE ELIGIBLE TO APPLY

- Pre-register in GATA portal
- Complete pre-construction activities
  - Planning
  - Feasibility
  - Phase I Engineering/Environmental
  - Design
  - Land Acquisition





# Questions & Answers



# Infrastructure

Joel Vieyra

*City of Chicago Department of Water Management*

# OVERVIEW OF ANTICIPATED RECOVERY FUNDING

## Water Reconnection Program – 5 Yr. Program

- New funding will be utilized to significantly expand the City's Water Reconnection Program
- The Water Reconnection Program is a pilot that was initiated in 2020 to help provide water accessibility to low-income residents by reconnecting properties to water service at no charge
- The program targets 1,700 water shut-off properties with internal plumbing deficiencies (broken water lines, non-functioning fixtures) where simple reconnection to water service could result in property damage

## Lead Service Line Replacement – Long-Term Program

- The City is working on replacement of nearly 400,000 water service lines
- The City is working with federal and state partners to identify funding opportunities

Both programs support equitable water accessibility and neighborhood stability



# ANTICIPATED TIMELINE

## Water Reconnection Program

- Funding will last 5 years, but the Department of Water Management (DWM) hopes to complete this project as expeditiously as resources allow
- DWM is preparing the new program scope and hopes to issue a Request for Proposals (RFP) in Q2 2022
- Contract award in Q3 2022 and work to start as early as Q3/Q4 2022

## Lead Service Line Replacement

- City working on identification of funding
- Work will be performed by a combination of DWM in-house staff and external partners
- DWM currently working on program refinement, timeline, and scope
- RFP issuance contingent on funding determination



# TIPS ON THE KINDS OF APPLICANTS/BIDDERS WHO WILL BE ELIGIBLE TO APPLY

- Non-Profit Organizations with prior experience in grant administration and program management
- Vendors with construction management and professional services experience
- Companies with engineering, plumbing, construction, and other trades expertise
- Proposals from diverse vendors are strongly encouraged
- For more information on DWM, please visit:  
<https://www.chicago.gov/city/en/depts/water.html>
- For information about lead service lines, please visit:  
<https://www.leadsafechicago.org/lead-service-line-replacement>





# Infrastructure

John Yonan & Elizabeth Granato

*Cook County Bureau of Asset Management*

# Bureau of Asset Management (BAM) Overview



## Real Estate Management

Manages approximately 19 million square feet of real estate owned or leased by Cook County, making recommendations for sale, purchase or lease of real estate, and maintaining an inventory of County real estate assets. Recently, the County has expanded its focus to “unlocking the value” of real estate assets by exploring redevelopment opportunities.

### Services offered by the Department of Real Estate Management include:

- Perform workplace strategy and space planning services
- Support asset acquisition, disposition, and leasing
- Develop / redevelop real estate assets



## Capital Planning & Policy

Provides safe, secure and accessible facilities through capital construction projects for all County departments and elected officials to serve the public and perform their duties in an environment that fosters efficient, convenient and cost-effective delivery of public services.

### Services offered by the Department of Capital Planning & Policy include:

- Identify and address critical capital improvements
- Establish and implement energy efficiency programs
- Modernize building life safety and emergency systems
- Oversee construction for traditional real estate and non-traditional infrastructure (e.g. broadband)



## Facilities Management

Maintains and operates Cook County facilities in a cost-effective manner for both the general public and various Cook County Departments in order to provide a safe, reliable, and clean environment, conducive and supportive to carrying out the business and services of the County.

### Services offered by the Department of Facilities Management include:

- Maintain building operations and equipment
- Implement energy efficiency programs
- Execute preventative maintenance programs
- Complete renovations and equipment upgrades



# Vision for the Infrastructure and External Projects (IEP) Initiative

Infrastructure revitalization is a key component of cultivating strong communities and supporting economic development.

BAM's Infrastructure and External Projects (IEP) initiative will partner with local communities to make transformative infrastructure investments that promote the future wellbeing, stability, and equitable growth of communities.

To achieve this vision, BAM and municipal governments will work together and pool their collective resources to support selected municipal infrastructure investments.

BAM will add value to these partnerships by leveraging its scale and expertise, as well as an equity and sustainability lens to help municipalities achieve their infrastructure, economic, and quality of life goals.



# Three Areas of Added Value



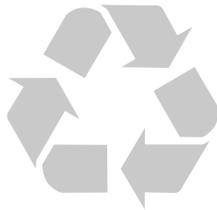
Scale & Expertise

Leveraging Cook County's size, experience, and resources to serve as a trusted partner and advisor to towns and villages within Cook County.



Equity

Advancing equity across operations and services to serve populations and communities that have experienced pervasive disinvestment.



Sustainability

Investing in renewable energy and water efficiency to conserve resources for the future and create sustainable communities.



# Key Markers of Success



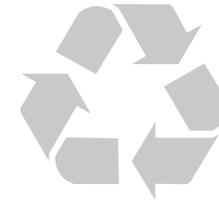
## Scale & Expertise

- Lend experience of on-site project managers and consultants and provide skilled in-house union tradespeople to assist with projects and provide access to systems and software
- Provide guidance in writing, reviewing and negotiating contracts, documenting appropriate use of funds, and advise on processes such as inspection, zoning laws, committee approvals, site control, etc.
- Facilitate collaboration with other agencies and governments, assist in applications for federal grants, draft intergovernmental agreements, and advise on working with separately-elected officials and government entities
- Guide municipalities through opportunities for cost reduction in operational costs, increased efficiency, and real estate savings through increased leased space or assets sold



## Equity

- Increase in job training and placement and decrease in local unemployment rate, MBE/WBE participation, apprenticeships and pre-apprenticeship programs, and broader opportunities for justice-involved residents
- Leverage relationships with M/WBE firms and encourage participation, help to define and meet M/WBE goals, negotiate and implement affordability requirements in contracts, and hire locally by sourcing workers from the surrounding community or local impact area
- Increase economic development in areas invested in through capital project
- Expanded opportunities for youth through paid summer internship programs, pre-apprenticeship and paid apprenticeship programs, and exposure programs like shadow days and workshops
- Lend expertise in compliance with the Americans with Disabilities Act (ADA)



## Sustainability

- Save funds through reductions in energy and water use through improved recycling and waste management systems, energy rebates, and LED lighting
- Work towards Cook County's goal of carbon neutrality by 2050 through reduction in energy use and greenhouse gas emissions, investment in green technologies, solar panels, and EV charging stations
- Provide assessment of water loss through leakage, provide guidance on environment work, and leverage existing environmental contracts for testing and reporting of environmental hazards such as asbestos or lead



# Identify and Engage Municipalities for IEP initiative

CMAP (Chicago Metropolitan Agency for Planning) will create a repository of existing infrastructure projects and develop a project prioritization model that weighs equity, gathers input from select municipalities on the draft IEP process, and supports municipal engagement.

## Project Compilation

- Compile central repository of all infrastructure projects needed in Cook County's municipalities
- Consider sources such as existing projects, projects listed in HB64, CMAP's plans and priority projects, County bureaus and departments, MWRD projects, etc.
- Conduct short interviews with municipal staff and partner agencies to finalize list and understand project statuses
- Label projects as "shovel ready" by analyzing prior planning and if projects have sufficient funding or require additional funding to complete
- Ensure a regional lens and highlight projects that could benefit multiple municipalities concurrently

**Deliverable:** Project catalog

## Project Assessment/Prioritization

- CMAP, BAM and BED will design an evaluation tool to assess and prioritize projects based on equity, resiliency, ability to absorb and deploy new funding, existing state or federal grants, and other criteria
  - CMAP uses a similar tool to assess projects in the Transportation Improvement Program (TIP) which address needs and improve travel and planning
- Projects that are not shovel ready may still be critically important, and the evaluation tool will be adjusted for non-shovel ready projects to ensure equitable participation

**Deliverable:** Project evaluation tools for shovel ready projects and those that are not shovel ready

## Process Evaluation

- Evaluate and test the draft process for implementing the IEP initiative by identifying and addressing stages in the process that could create barriers to municipal participation
- Conduct interviews and focus groups to walk through project process from beginning to end and troubleshoot
- Create sample intergovernmental agreements
- Review process to vet for issues such as liability, delays, supervision, labor relations, minority contractors, accountability, design changes, etc.

**Deliverable:** Revised processes for implementing IEP initiative

## Municipal Engagement

- Support municipal engagement through a strategic approach and comprehensive branding
- In close collaboration with the County, the CMAP program design team will explore existing technical assistance services and assist in the design and scope of technical assistance for municipalities
- Strategically approach engagement with participating municipalities, with a priority placed on relationship building and understanding the community
- To assist with this approach, CMAP will work with BAM's communication specialist to develop comprehensive program branding to properly frame the conversation about these projects and use consistent language and materials

**Deliverable:** Initiative scope and structure; education outreach and collateral





# Infrastructure

Holly Bieneman

*Director, Office of Planning & Programming*

*Illinois Department of Transportation*



# Questions & Answers



# Environment & Sustainability

Angela Tovar

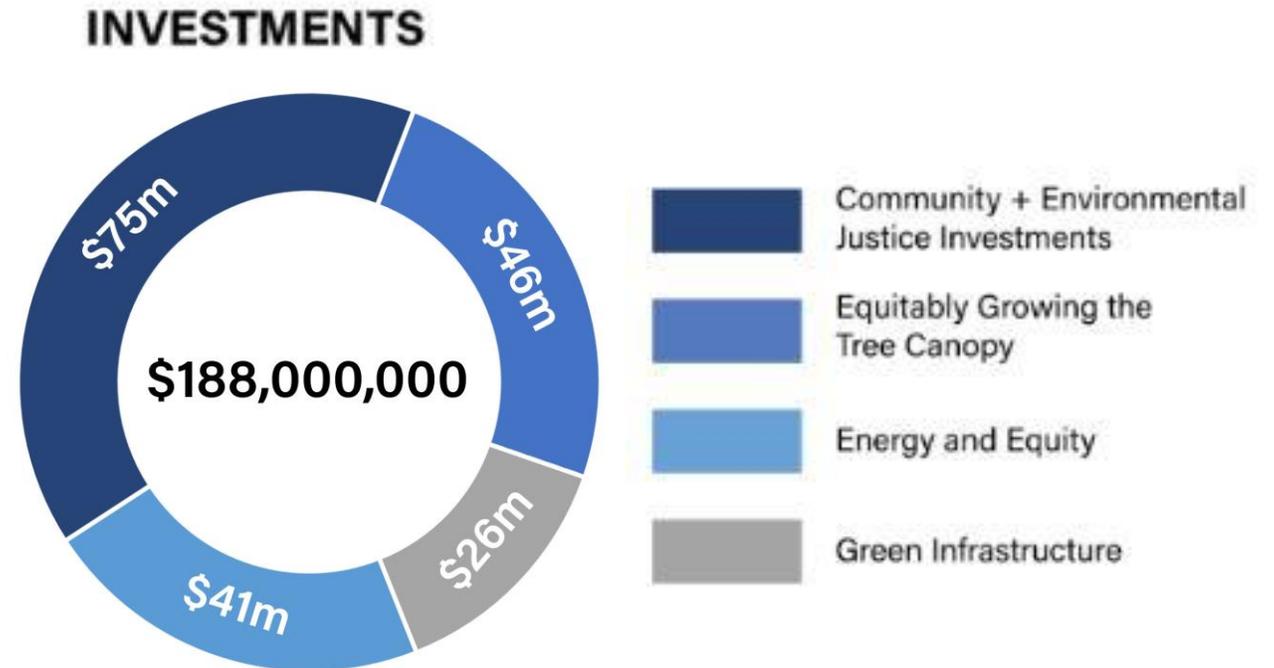
*Chief Sustainability Officer, City of Chicago*



# Chicago Recovery Plan: Environmental Justice & Climate Investment Package

# A down payment on equitable climate resiliency, adaptation and mitigation

- The City of Chicago is investing **\$188 million** from the recovery plan in a variety of climate and environmental projects that advance Mayor Lightfoot's Green Recovery Agenda.
- The projects in the climate investments package achieve critical **resilience, adaptation and mitigation goals, equitably distributing benefits across the city.**



# What is being funded?

*The City of Chicago, through the Chicago Recovery Plan, is investing in meaningful, substantive and justice-oriented projects that strengthen local communities, provide critical relief for residents, drive new economic benefits and improve overall quality of life for our residents.*



# EQUITABLY EXPANDING THE URBAN TREE CANOPY



# Summary of Urban Tree Canopy Projects

Project Name	Description	Amount	Anticipated Result
<b>Expand canopy coverage</b>	<i>Expand canopy coverage by 15k trees annually for 5 years, creating job opportunities for planting and maintenance in partnership with CDOT and DSS. 15k trees per year at \$31 million.</i>	\$46,000,000	<b>15k more trees per year for a total of 21,500 trees planted annually. A 330% increase in annual plantings</b>



# GREEN INFRASTRUCTURE



# Summary of Green Infrastructure Projects

Project Name	Description	Amount	Anticipated Result
<b>Expanding Space to Grow</b>	<i>Expand Chicago Public School's Space to Grow program by 20 projects with the goal of reaching 100 total projects by 2030. This project will add to existing Chicago schoolyard greening in partnership with DWM, CPS, and MWRD, which transforms schoolyards into beautiful and functional spaces to learn, garden, and be outside. This will add 20 Space to Grow projects as part of a goal to reach 100 projects by 2030.</i>	\$20,000,000	20 Space to Grow green infrastructure projects (with matching investments from MWRD and CPS).  18 million+ gallons of stormwater retention capacity, adding to the existing 18.2 million gallon infiltration.
<b>Community Green Infrastructure Investments</b>	<i>Create more green alleys that reduce flooding in underserved communities.</i>	\$5,000,000	Expand green alleys and develop several green infrastructure flood mitigation projects
<b>Rain Ready Chatham</b>	<i>Install rain blockers, permeable parking, and streetscape redesign in strategic Chatham locations.</i>	\$750,000	Several new flood mitigation projects in Chatham that are visible and effective



# ENERGY AND EQUITY INVESTMENTS



# Summary of Energy Equity Projects

Project Name	Description	Amount	Anticipated Result
<b>Decarbonizing Affordable Multifamily Buildings</b>	<i>Retrofit and decarbonize affordable multifamily buildings to reduce emissions, improve utility affordability, and preserve valuable affordable housing stock. Project scope includes electrifying heating, hot water, and cooking as well as performing weatherization and HVAC upgrades. Including rooftop solar further builds building resilience and lowers utility costs.</i>	\$6,000,000	200 to 250 units of affordable housing retrofitted
<b>Retrofitting Low and Moderate Income Housing</b>	<i>Project that aims to electrify and decarbonize homes owned by low to moderate income families (&lt;\$80% of AMI). Project would include both energy efficiency, weatherization, electrification, and/or rooftop solar installation.</i>	\$15,000,000	250 to 300 LMI homes retrofitted
<b>Expanding the Neighborhood Power Project</b>	<i>Project targets community anchor buildings to provide funding for HVAC, ventilation system, and water efficiency upgrades as well as solar installations, battery storage and other weatherization and EE work as required.</i>	\$10,000,000	Between 10-50 deep retrofits of community anchor buildings
<b>Library Power Project</b>	<i>Install community solar on 5 neighborhood libraries in LMI and BIPOC communities, benefitting local students, serving as a training opportunity, and lower operating costs for the libraries.</i>	\$5,000,000	5 libraries either fitted with solar or made solar-ready
<b>Intalling Community Solar on Industrial Roofs</b>	<i>Funding for 1-2 pilot projects to install community solar on industrial rooftops, benefitting local communities with lowered utility costs</i>	\$5,000,000	Install community solar projects on the roof(s) of 1-2 industrial sites to provide solar subscriptions to surrounding community.



# CLIMATE AND COMMUNITY RESILIENCY INVESTMENTS



# Summary of Climate and Community Resiliency Projects

Project Name	Description	Amount	Anticipated Result
<b>African American Heritage Water Trail</b>	<i>Consolidated ask to expand riverfront and trail access as well as reduce flooding at Little Calumet River. This project will build out trail networks, restore natural assets near river, acquire land, and provide environmental testing.</i>	\$1,500,000	1 new historic trail network
<b>Community Composting Pilot</b>	<i>Create 5 drop-off community composting hubs in local community gardens.</i>	\$450,000	5 new community compost collection hubs
<b>Micro-hauling Project</b>	<i>Pilot to support micro-hauling in South and West side communities for community organics collection.</i>	\$6,000,000	Diversion of organic material from waste stream and reduced GHG emissions
<b>Environmental remediation and air quality projects</b>	<i>Remediate large scale contaminated sites and expand air quality monitoring.</i>	\$24,000,000	Remediate acres of land and enhance local air quality



# Summary of Climate and Community Resiliency Projects

Project Name	Description	Amount	Anticipated Result
<b>Community Infrastructure Fund</b>	<i>Fund to provide capital resources to projects that support community-level climate adaptation and mitigation projects for underserved communities in Chicago's South and West sides.</i>	\$5,000,000	Several new climate adaptation and resilience projects in underserved communities
<b>Low Carbon Mobility</b>	<i>Projects aimed at reducing transport-related carbon emissions in historically disinvested communities. Projects could include purchasing bikes for residents, developing protected bike lanes and pedestrian improvements along commercial corridors and to increase access to CTA bus stops and stations.</i>	\$10,000,000	(xxx) miles of new bike infrastructure, 2000 bikes granted to LMI residents
<b>Clean Water Restoration</b>	<i>Floatables control and CSO outfall mitigation in Collateral Channel, Little Calumet River and South Branch.</i>	\$5,000,000	Reduce debris in various Chicago waterways
<b>Decarbonizing and Electrifying City Buildings and Fleet</b>	<i>Decarbonization of Chicago's building fleet. Projects aimed at electrifying the City's fleet and installing City charging stations.</i>	\$8,300,000	City buildings retrofitted, new electric fleet, new e-cargo bikes. Mainly focused on fleet electrification.



# FEDERAL, STATE, AND LOCAL FUND STACKING OPPORTUNITIES



# Sample of supplemental climate funding opportunities

- **Federal (BIL) opportunities for City partners**
  - Brownfield remediation: competitive grant through EPA. **\$240m annually.**
  - Consumer recycling education: competitive grant through EPA. **\$15m annually.**
  - Reducing lead in drinking water: competitive grant through EPA. **\$100m annually.**
  - Energy career skills training: competitive grant through DOE. **\$10m annually.**
  - Energy efficiency and renewable energy improvements at public schools: competitive grant through DOE. **\$100m annually.**
- **State funding opportunities for City partners**
  - Renewable energy generation: competitive procurement through Illinois Power Agency.
  - Disadvantaged urban farmer program: competitive grant through Dept. of Agriculture. **\$2.5m annually.**



# Where to look for climate investment funding opportunities

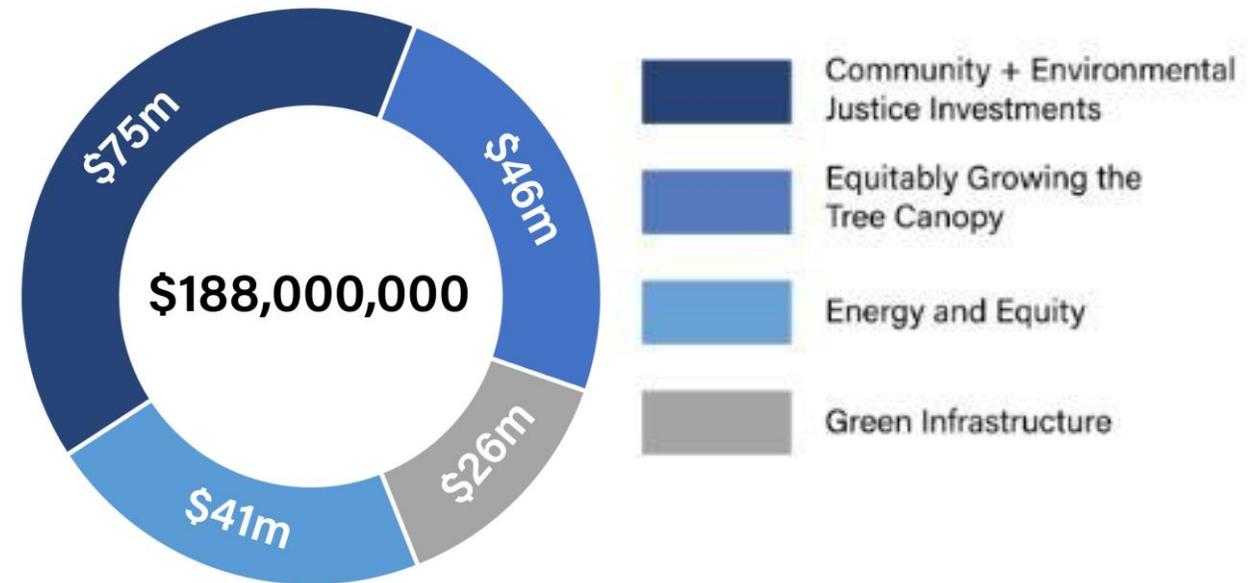
## Main source of information:

- Chicago Recovery Plan website:  
<https://www.chicago.gov/city/en/sites/c-hicago-recovery-plan/home/funding-opportunities.html>

## Secondary sources:

- City of Chicago Environment and Sustainability Website:  
<https://www.chicago.gov/city/en/progs/env.html>
- Mayor's Office Sustainability Team  
Twitter: @SustainChicago

## INVESTMENTS





# Environment & Sustainability

Tanya Anthony

*Bureau Chief*

*Cook County Department of Environment and Sustainability*

# Cook County Department of Environment and Sustainability

**Goal:** To support healthy, resilient communities that thrive economically, socially, and environmentally.

## What We Do

**Regulate** businesses, solid waste facilities, asbestos removal, demolition and more in Suburban Cook County, serving 2.5 million residents and 134 municipalities.



**Help communities** by assessing and cleaning up contaminated sites to get them back on the tax rolls, helping homeowners afford renewable energy installations, providing access to affordable financing for businesses making energy, water and resiliency investments, and educating the public about waste reduction, energy conservation and other environmental issues.

**Reduce the County's environmental footprint** by achieving the County's goals of 100% renewable electricity by 2030 and carbon neutral by or before 2050 for our own facilities and operations.



# Cook County Department of Environment and Sustainability



## Vision for How to Accomplish Our Goal:

1. Ensure Environmental Justice and a healthy environment for all.
2. Promote livable, sustainable land use and development.
3. Reduce climate change and mitigate its effects.
4. Capture the job and economic growth potential of making Cook County more sustainable.
5. Create enduring capacity in government and in communities to build a sustainable and resilient future.

The ARPA projects we will kick off this year, shown in the following slides, will help us achieve key parts of this vision.



# Cook County Department of Environment and Sustainability



Healthy Homes and  
Deep Energy Retrofits  
\$10,000,000

- Support high risk suburban families with comprehensive public health and environmental home lead remediation, indoor air quality improvements and toxics reduction, energy efficiency to improve health and reduce utility bills.
- Partner with Cook Co. Public Health to identify families at risk.
- Prove out comprehensive approach to inform future work.



Brownfields Cleanup  
and Redevelopment  
\$10,000,000

- Assess suburban sites for contamination, plan for and conduct remediation, and return sites to development for jobs, green space or other purposes.
- Address uncertainties that prevent developer interest.
- Reduce contaminants that affect residents, especially those in minority and under-resourced communities, and help create jobs where most needed.



South Suburban  
Household Hazardous  
Waste Collection Center  
\$5,000,000

- Create a permanent household hazardous waste drop-off site along with satellite collection events around the region.
- Reduce health risks, harm to the environment, and reduce open dumping contributing to blight in under-resourced communities.
- Close the gap with the nearest existing facilities on the North Side of Chicago and Naperville.



# Cook County Department of Environment and Sustainability



Electric Vehicle  
Charging Stations for  
Suburban Charging-  
Station Deserts  
\$5,500,000



Urban Farming Gap  
Analysis for Suburban  
Cook County  
\$150,000



Future Opportunities  
Being Explored

- Increase access to electric vehicle charging stations in the south and west suburbs.
- Work with municipalities on locations that serve residents and businesses.
- Reduce inequities in ability to own and benefit from the operating savings of electric vehicles, reduce greenhouse gas emissions, provide valuable infrastructure, and benefit regional planning.

- Conduct equity-centered analysis of existing suburban urban ag businesses, practices, community gardening and support programs aimed at supporting local food.
- Work with stakeholders to map food deserts, institutional assets and opportunities, and gaps.
- Make recommendations to support policy, resources and training to improve access to fresh food and grow local jobs.

- Green Infrastructure for South/East Suburban Communities where planning has been done
- Resilience Planning Assistance for Local Communities
- Community Resilience Hubs for Local Institutions and Residents in Case of Disasters
- Assist businesses to Reduce Pollution, Energy and Water Use
- Assist lower income homeowners to install renewable energy



# Cook County Department of Environment and Sustainability



Connect with us:

Email:

[environment@  
cookcountyil.gov](mailto:environment@cookcountyil.gov)

Website:

[www.cookcountyil.gov  
/environment](http://www.cookcountyil.gov/environment)

Watch this website for more details on how to bid or apply

Twitter:

[@CookEnviro](https://twitter.com/CookEnviro)





# Environment & Sustainability

Chris Schmidt

*Illinois Department of Transportation*

# Bi-Partisan Infrastructure Law (BIL) Infrastructure Investment Jobs Act (IIJA)

- PROTECT
- Carbon Reduction
- Congestion Mitigation and Air Quality Improvement Program
- Transportation Alternatives Program
- Electric Vehicle Charging Infrastructure



# ANTICIPATED TIMELINE

- Call for Projects
  - PROTECT
  - Carbon Reduction
  - Congestion Mitigation and Air Quality Improvement Program
  - Transportation Alternatives Program
  - Electric Vehicle Charging Infrastructure
- Electric Vehicle Plan
- Resiliency Plan



# TIPS ON THE KINDS OF APPLICANTS/BIDDERS WHO WILL BE ELIGIBLE TO APPLY

- Pre-register in GATA portal
- Complete pre-construction activities
  - Planning
  - Feasibility
  - Phase I Engineering/Environmental
  - Design
  - Land Acquisition





# Questions & Answers