



# IDOT D1 - I-290 Drainage Improvements - CMGC - Industry Forum

**Date: December 9, 2024, Time: 1:30**

## 1 Event Overview

In conjunction with the Request for Information (RFI), IPD and the District elected to host an industry forum prior to commencing a CMGC procurement on the project in order to garner industry interest and feedback in the project and the project being delivered utilizing CMGC delivery. The Forum included a presentation about the project and CMGC delivery and a question-and-answer session.

## 2 Location

Event Location: Northern Illinois University - Naperville Conference Center

Address: 1120 E Diehl Rd, Naperville, IL 60563 ([Google Maps](#))

## 3 Agenda

- » 1:00 - Check-in / Networking
- » 1:30 - Presentation
- » 2:15 - Live Questions & Answers Session

One-on-one meetings were held between IDOT and industry firms. These meetings facilitated discussion and gathered constructive feedback between IDOT and individual firms. There were 6 one-on-one meetings held throughout the week (December 9 to December 13) and consisted of meetings between IDOT and Bessac, Walsh Construction, F.H. Paschen, Exodigo, K-Five Construction Corporation, and Granite Construction Company.

## 4 Attendance

The intended audience for the Forum was industry firms who had interest in participating in the project. 54 individuals attended the forum representing 39 consulting, contractor, or vendor firms. In addition, 22 individuals representing IDOT, the Innovative Project Delivery team, or the project team were in attendance. Sign-in sheet is attached.

Name	Organization	Email
Anselmo Presisto	F.H. Paschen	apresisto@fhpaschen.com
Anthony Bauer	Exodigo	anthony.bauer@exodigo.ui
Arielle Malinowski	IDOT	arielle.malinowski@illinois.gov
Ashley Hochstatter	IDOT	ashley.hochstatter@illinois.gov
Bernard Catalano	Bessac	bernard.catalano@bessac.com
Bill Grunloh	IDOT	bill.grunloh@illinois.gov
Brad Jacobson	Granite Construction	brad.jacobson@gcinc.com
Brian Castro	d'Escoto, Inc.	bcastro.35@gmail.com
Brian Walsh	Dearborn Engineers & Constructors	BMWalsh@DearbornCos.com
Bryan Kapala	WSP	bryan.kapala@wsp.com
Caitlin Lahey	F.H. Paschen	clahey@fhpaschen.com
Carlos Munoz	IDOT	carlos.munoz@illinois.gov
Chris Grzynkowiz	William Charles Construction	chris.grynkowiz@williamcharles.com
Daniel Ebin	Delve Underground	ebin@delveunderground.com
Dave Schmoe	K-Five Construction Corp.	daves@k-five.net
Dave Schmoe	K-Five Construction Corp.	estimating@k-five.net
David Sliwa	Arcadis	david.sliwa@arcadis.com
Debra Lee	IDOT	debra.lee@illinois.gov
Dusty Holcombe	RS&H	dusty.holcombe@rsandh.com
Edmund Burke	CBBEL	edburke@cbbel.com
Fawad Aqueel	IDOT	fawad.aqueel@illinois.gov
Federico d'Escoto	d'Escoto Inc	Fdescoto@descotoinc.com
Issam Rayyan	IDOT	issam.rayyan@illinois.gov
J. Pienkos	Plote Construction Inc.	jpienkos@plote.com
Jack Canale	Granite Construction	jack.canale@gcinc.com
Jack Kotowski	Talman Consultants	jkotowski@talmanconsultants.com
Jacob Bortz	Exodigo	jacob.bortz@exodigo.ui
James Shaw	RS&H	james.shaw@rsandh.com
John Baczek	Peralte-Clark	john.baczek@peralte-clark.com
John Clark	Peralte-Clark	john.clark@peralte-clark.com
John Naughton	Valdes Architecture & Engineering	jnaughton@valdeseng.com
Jon Schumacher	IDOT	jonathan.schumacher@illinois.gov
Jose Rios	IDOT	jose.rios@illinois.gov
Katharine McSteen	Metro Strategies Group	kmcsteen@metrostratgroup.com
Keith Martin	Granite Construction	keith.martin@gninc.com
Kirsten Schroeder	Peralte-Clark	kirsten.schroeder@peralte-clark.com
Luca DeBellis	Stantec	luca.debellis@stantec.com
Mark Potter	Granite Construction	mark.potter@gcinc.com
Mark Stehphani	HNTB	mstephani@hntb.com
Mark Taylor	IDOT	mark.taylor@illinois.gov
Mathew Ingram	Jacobs	mathew.ingram@jacobs.com
Matthew Miller	HNTB	MAMiller@HNTB.com
Michael Punches	Granite Construction Company	michael.punches@gcinc.com
Michael Stirk	IDOT	michael.stirk@illinois.gov
Michelle Lewis	IDOT	michelle.lewis@illinois.gov
Mike Kusbel	F.H. Paschen	MKusbel@fhpaschen.com
Mike Surwa	Granite Construction	mike.surwa@gcinc.com
Missy Doedtman	CMT	mdoedtman@cmtengr.com
Mohamad Faraj	Illinois Tollway	mfaraj@getipass.com
Moussa Issa	HBM Engineering Group	moussa.issa@hbmeng.com
Neil Adams	IDOT	neil.adams@illinois.gov
Nick Everson	Walsh Construction Company II, LLC	neverson@walshgroup.com
Nick Jacobs	Thompson Pipe Group	nick.jacobs@thompsonpipegroup.com

<b>Name</b>	<b>Organization</b>	<b>Email</b>
Pat Shea	Kraemer North America	pshea@kraemerna.com
Perry Masouridis	IDOT	eleftherios.masouridis@illinois.gov
Peter Vogt	Kiewit Infrastructure Co.	peter.vogt@kiewit.com
Praveen Kaini	IDOT	praveen.kaini@illinois.gov
Rajiv Iyengar	Granite Construction	rajiv.iyengar@gcinc.com
Richard Hoffman	IDOT	richard.hoffman@illinois.gov
Roann Thorne	Mission Critical	roann@thinkmc.com
Rocky Rossetti	Walsh Construction	rrossetti@walshgroup.com
Roger Driskell	Crawford, Murphy & Tilly	rdriskell@cmtengr.com
Ryan Cummings	Nicholson Construction	Ryan.cummings@nicholsonconstruction.com
Samuel Swartz	Delve Underground	swartz@delveunderground.com
Sarah Cuvala	Talman Consultants LLC	scuvala@talmanconsultants.com
Seema Wadia	Metro Strategies Group	swadia@metrostratgroup.com
Shearrisa Phillips Hatcher	IDOT	shearrisa.hatcher@illinois.gov
Steve Gillen	Horner Shifrin	sigillen@hornershifrin.com
Steve Schilke	IDOT	steven.schilke@illinois.gov
Tim Benson	Super Excavators	timb@superexcavators.com
Tim Norman	Atlas	tim.s.norman@oneatlas.com
Tim Smetana	Walsh Construction	tsmetana@walshgroup.com
Suleyman Tulgar	IDOT	suleyman.tulgar@illinois.gov
William Crosbie	Kiewit	william.crosbie@kiewit.com



# District 1 I-290 Drainage Improvements

Innovative Project Delivery Industry Forum



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## Agenda

1. Welcome
2. I-290 Corridor Overview
3. I-290 Drainage Project Description
4. Construction Manager/General Contractor (CMGC) Delivery Method
5. IPD Resources & Key Roles
6. Q&A Session (15 mins)
7. Industry Mixer & Networking



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# Terminology and Acronyms

## Technical

<b>ETS</b>	Existing Trunk Sewer / Existing Tunnel System
<b>STS</b>	Supplemental Tunnel System

## Roles

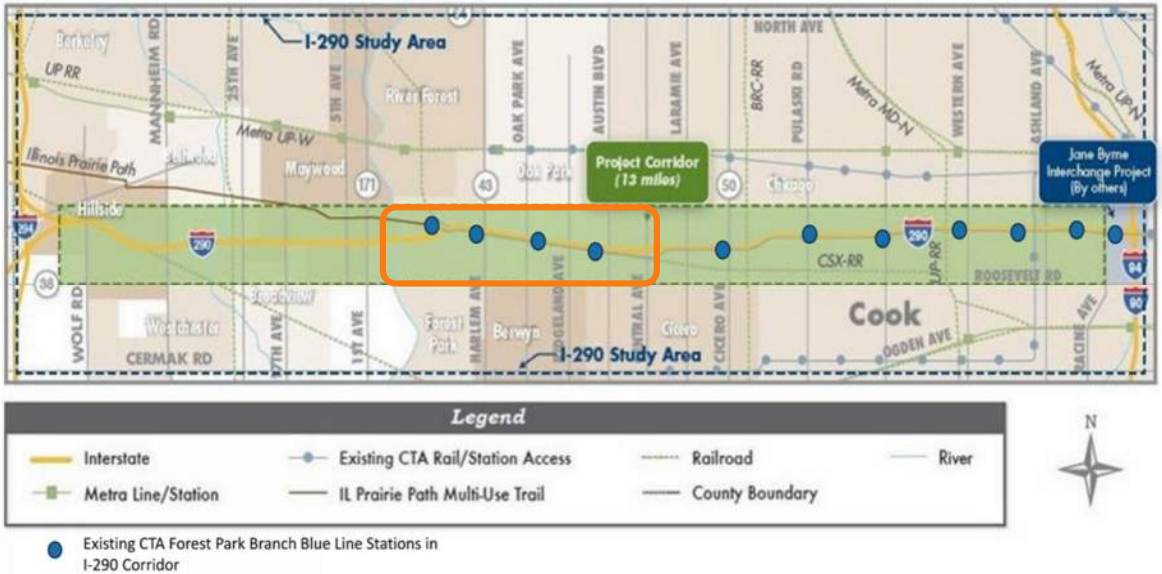
<b>IPD</b>	Innovative Project Delivery
<b>DCM</b>	I-290 Corridor Manager
<b>CMGC</b>	Construction Manager/General Contractor
<b>EOR</b>	Engineer-of-Record
<b>ICE</b>	Independent Cost Estimator
<b>COT</b>	Construction Oversight Team



## I-290 Corridor Overview

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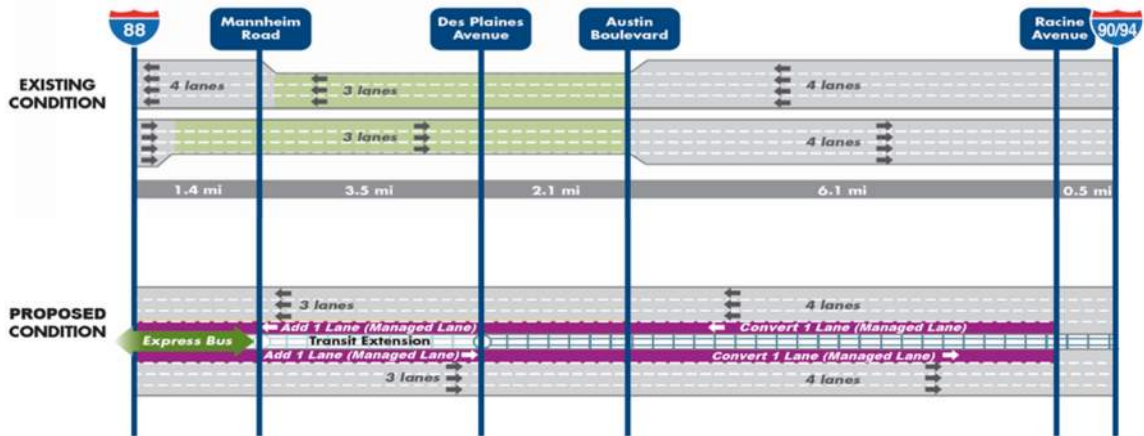
# I-290 Phase I Study Recap



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# I-290 Phase I Study Recap

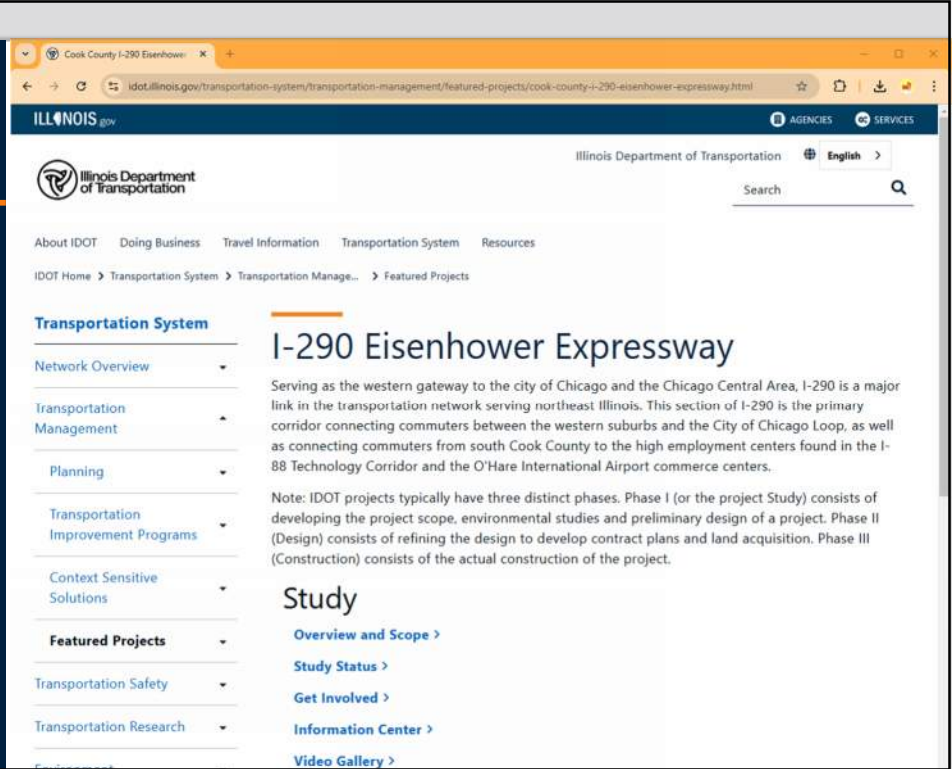
- June 2017: FEIS and Record Decision (ROD)
- Re-evaluation of 2017 FEIS/ROD underway



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# Phase I Webpage

<https://idot.illinois.gov/transportation-system/transportation-management/featured-projects/cook-county-i-290-eisenhower-expressway.html>



The screenshot shows the Illinois Department of Transportation website. The main heading is "I-290 Eisenhower Expressway". Below the heading, there is a paragraph describing the project as a major link in the transportation network serving northeast Illinois. A note explains the three phases of IDOT projects: Phase I (Study), Phase II (Design), and Phase III (Construction). Under the "Study" section, there are links for "Overview and Scope", "Study Status", "Get Involved", "Information Center", and "Video Gallery".

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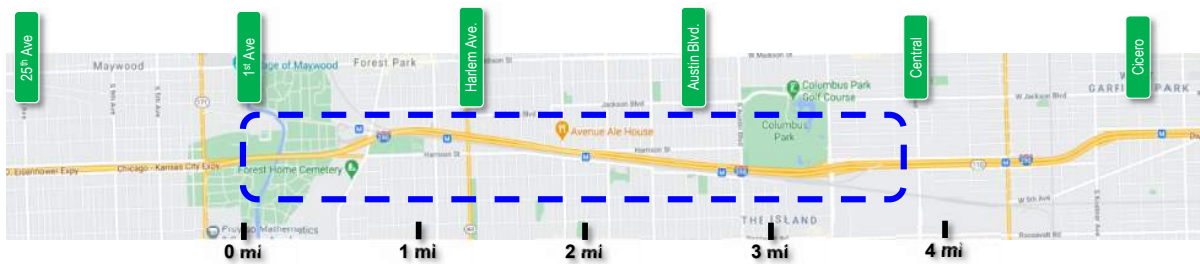
## I-290 Drainage Improvement Project Description

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# Proposed Improvements

- Limits: IDOT Pump Station No. 4 (Des Plaines River) to Central Avenue
- Supplemental Trunk Sewer
  - » +/- 3.3-mile total length
  - » 42 in. to 90 in. diameter size
  - » 10 ft – 65 ft depth
- Construction Cost - \$250M - \$300M

**Must be compatible with existing and future corridor**



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# Proposed Improvements



- ETS/STS Hydraulically Connected
- Equalizer Pipe Connections
- 2 underground detention storage vaults
  - » 50'W x 350'L x 5'D
  - » 72'W x 440'L x 8'D

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## Project Area Characteristics

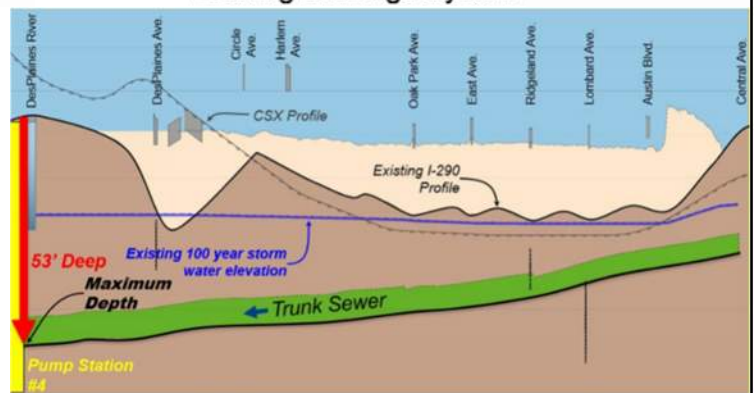
- Depressed interstate section
- Existing 6 lane sections
- + 9 existing bridges crossings
- CSX and CTA crossings



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## Existing Drainage

- Frequent flooding
- Existing mainline drain (+50 Years Old)
- Located along median and adjacent to CSX Railroad
- ETS connects into Pump Station #4



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## Tunnel Construction Options



Trenching  
"Cut and Cover"



Microtunnel Boring  
Machine (MTBM)



Tunnel Boring Machine  
(TBM)

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## Construction Challenges

- Constrained work areas for surface operations
- Allowable lane closures
- Potential for multiple contracts and overlapping work zones
- Heavy freight and commuter railroad crossings



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# Construction Challenges

- Existing and proposed infrastructure condition
- Aging utility crossings
- Geotechnical and soil conditions



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## Project Goals

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## Project Goals

- Safe Work Zones
- Minimize Construction Impacts & Disruption to Traveling Public
- Minimize Impacts to Des Plaines River
- Promote Diversity & Participation of Small and DBE Firms
- Create a Competitive Procurement Environment
- Accelerate Project Development & Construction Activities
- Enable future I-290 Corridor Improvements

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## DBE/Local/Small Firm Opportunities

- Utility Relocations and Drainage
- Traffic Control and Signing
- Erosion Control and Landscaping
- Concrete and Bituminous Activities
- Trucking Activities
- And More!



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## Construction Manager / General Contractor (CMGC) Delivery

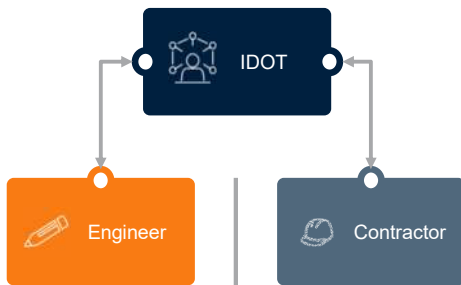
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### Where are we now?

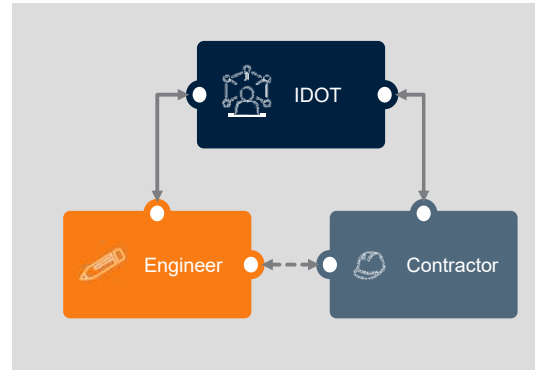


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# Contractual Arrangements by Delivery Method



**Traditional Design-Bid-Build**

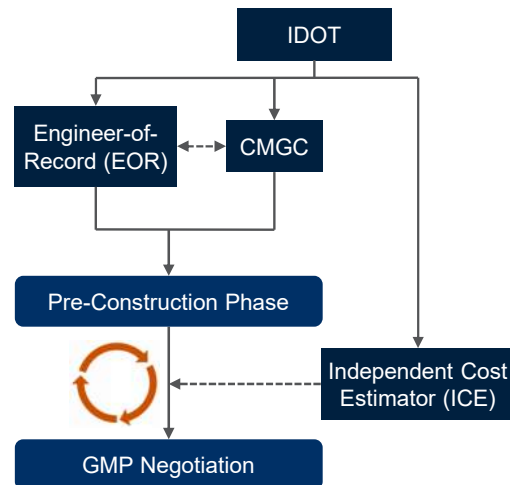


**Construction Manager/General Contractor (CMGC)**

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## CMGC Delivery Process Overview

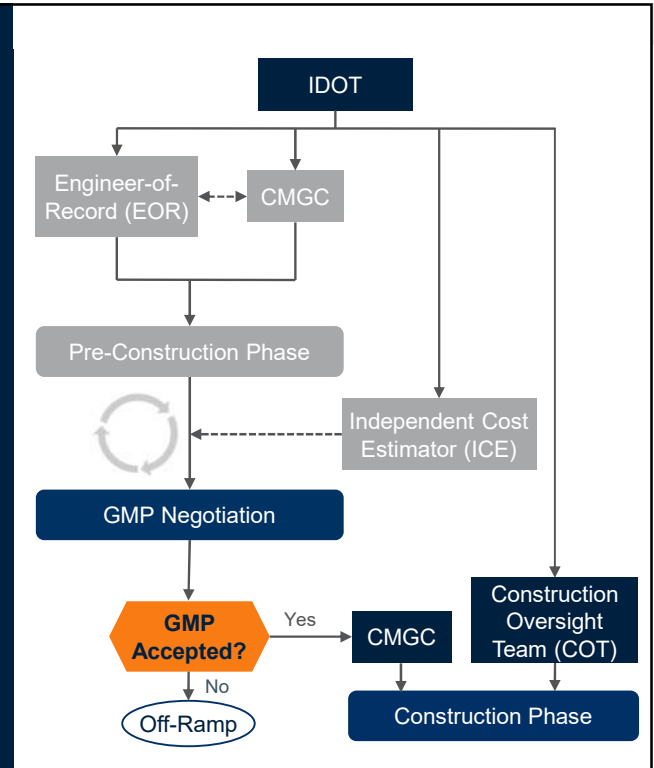
- » Pre-Construction Phase
  - Contractor early involvement
  - EOR and CMGC Contractor work collaboratively to advance the design
  - CMGC Contractor provides real-time estimates and scheduling based on the design
  - Risk identification and mitigation



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## CMGC Delivery Process Overview

- » Guaranteed Maximum Price (GMP) Negotiation
  - CMGC Contractor develops final estimate
  - ICE provides independent estimate for IDOT
- » Construction Phase
  - CMGC begins construction
  - COT acts on IDOT's behalf to oversee construction activities and manage documentation processes



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## Key Roles & Responsibilities

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## IPD Program-wide Roles

IPD Project Advisory Team



Procurement Engineer (PCE)



Independent Cost Estimator (ICE)



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## District 1 I-290 Project Roles

Corridor Manager



Engineer-of-Record (EOR)



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# District 1 I-290 Project Roles

## Professional Services Roles

Advertised on  
PTB

Construction Oversight Team (COT)

Upcoming  
Opportunity

## Project Delivery / Contracting Roles

NEW

Advertised on  
IPD Procurement

Construction Manager /  
General Contractor (CMGC)

Upcoming  
Opportunity

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## IPD Notices & Procurements

<https://webapps1.dot.illinois.gov/WCTB/LbHome>



Illinois Department of Transportation  
Chris Osman, Secretary

State of Illinois  
Governor JB Pritzker

Home

Transportation Bulletin

This invitation is the official advertisement and solicitation for bids issued by the Illinois Department of Transportation. With oversight by the Chief Procurement Office, this bulletin is published to secure the performance of highway construction, highway construction-related and airport work, as well as construction and construction-related work solicited by the Illinois Department of Natural Resources.

Questions directed to:  
IDOT Contract Office  
Harry R. Hanley Building  
Room 326  
2209 South Casson Parkway  
Springfield, IL 62764  
(217) 782-7936  
Fax: (217) 785-1141  
TDD: (217) 524-4875  
DOTDE.Contracts@illinois.gov

Notice of Letting  
September 20, 2024 12:00 PM  
Electronic Bidding (EBids)  
Authorization to Bid  
Bid Items  
Contract Status  
Frequently Asked Questions  
Exempt Contracts  
Active Colored Pay Items

Transportation Bulletin Archives  
August 22, 2024  
June 14, 2024  
April 26, 2024  
March 08, 2024  
January 19, 2024  
November 17, 2023  
September 22, 2023  
August 04, 2023  
June 18, 2023  
April 28, 2023

Non-letting Construction Procurements

On occasion, the Chief Procurement Office oversees projects within its jurisdictions that are not a part of the regularly scheduled Highway Lettings. Information on these procurements are posted below.

The Chief Procurement Office for Highway Construction is responsible for overseeing procurements for all construction, construction-related services, operation of any facility, and the provision of any construction or construction-related services or activity committed by law to the jurisdiction or responsibility of the Illinois Department of Transportation (IDOT), including the direct or reimbursable expenditures of all federal funds for which IDOT is responsible or accountable for the use thereof in accordance with federal law, regulation, or procedure. (30 ILCS 500 Section 1-15.15)

The Illinois Procurement Code requires the Chief Procurement Office to provide information to the public concerning IDOT's procurements and procurement-related activities. Information includes, but is not limited to, awards, change orders, reports to the General Assembly, contractor suspensions, DBE waivers, conflict of interest statements, and emergency procurements. Additional information can be found on the Chief Procurement Office webpage or the Notices tab.

Procurement Requests    Emergency Procurements    Notices    Land Acquisition

Innovative Project Delivery (IPD) Procurements

On occasion, the Chief Procurement Office oversees projects within its jurisdictions that are not a part of the regularly scheduled Highway Lettings.

This invitation is the official advertisement and solicitation for Request for Information (RFI), Request of Qualifications (RFQ) and Request for Proposals (RFP) issued by the Illinois Department of Transportation (IDOT). With oversight by the Chief Procurement Office, this bulletin is published to secure alternative methods of deliveries including Construction Manager/General Contractor (CMGC), Progressive Design Build (PDB), Design Build (DB), and Public-Private Partnerships (P3). Illinois General Assembly - Full Text of Public Act 102-1004 (ipd.gov)

The Illinois Procurement Code requires the Chief Procurement Office to provide information to the public concerning IDOT's procurements and procurement-related activities. Information includes, but is not limited to, awards, change orders, reports to the General Assembly, contractor suspensions, DBE waivers, conflict of interest statements, and emergency procurements. Additional information can be found on the Notice tab or the Chief Procurement Office webpage.

IPD Procurement Requests    IPD Notices

General Information  
Notice of Contract Awards Transportation Bulletin  
How to Navigate the New Transportation Bulletin  
Letting Schedule  
Construction Services  
Region Map  
USDOT Fraud Hotline  
IDOT Fraud Hotline  
Highway Construction Careers Training Program (HCCTP)

Stay Connected  
Electronic Subcontractive Service  
Manuals, Standards, and Guides  
SCE Manual  
SCE Procurement Memorandums  
Highway Standards  
Guide for Working with Railroads  
Standard Specification for Road and Bridge Construction

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# How is the CMGC Contractor Procured?

## Two-Step Procurement:

1. Request for Qualifications (RFQ)
  - IDOT will shortlist minimum of 2 and maximum of 5 proposers
2. Request for Proposals (RFP)
  - Proposer who provides the “best-value” is selected



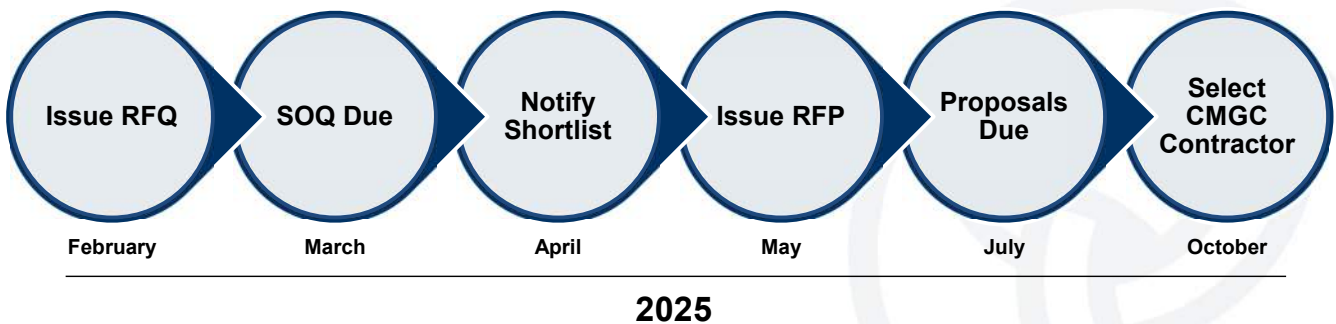
Advertised on  
IPD Procurement



**Construction Manager /  
General Contractor  
(CMGC)**



# Anticipated Procurement Timeline



## DBE Utilization Goals



IPD Bureau committed to meeting DBE Goals on IPD projects



Partnering with IDOT's Office of Business and Workforce Diversity

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## IPD Resources

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# IPD Webpage

<https://idot.illinois.gov/transportation-system/transportation-management/planning/innovative-project-delivery.html>



**Transportation System**

- Network Overview
- Transportation Management
- Planning
- Long Range Transportation Plan
- Active Transportation
- Freight
- Intelligent Transportation
- Rail
- Transit Plan
- Marine Transportation
- Other Plans

**Innovative Project Delivery**

- Research
- IPD Program
- IPD Projects
- Doing Business
- Resources
- Stay Connected

**Innovative Project Delivery**

The Illinois Department of Transportation (the "Department" or "IDOT") continually seeks innovative solutions to meet the growing transportation needs of Illinois. The Bureau of Innovative Project Delivery ("IPD Bureau") was established in 2016 to identify, evaluate, and develop projects that may benefit from innovative approaches, including the use of various forms of project delivery allowable under law including:

- Public-Private Partnerships (P3) Fact Sheet (coming soon)
- **CMGC/DB/PDB Program Fact Sheet** (updated 2/6/23)

The Department's mission is to provide safe, cost-effective transportation for Illinois in ways that enhance quality of life, promote economic prosperity, and demonstrate respect for our environment, guided by the principles of safety, integrity, responsiveness, quality, and innovation. These business objectives are an integral part of the Department's and the IPD Bureau's planning processes. When implemented, the business objectives noted below will assist the IPD Bureau in the development and delivery of the IPD Program and help the Department deliver transportation infrastructure projects and services utilizing innovative methods as compared to the traditional design-bid-build program. The IPD Bureau's program development will be guided by the following:

**Vision:** The IPD Program will enable the State of Illinois (the "State") to be a national leader in the use of innovative project delivery and will facilitate partnerships with private industry and local communities to meet the transportation infrastructure needs of the State in an efficient, cost-effective manner. The IPD Bureau will also aggressively pursue creative and innovative project delivery, asset management, and financing alternatives not otherwise available to the State in an effort to quickly deliver transportation infrastructure options that improve mobility and communicate openly with stakeholders.

**Mission:** The IPD Bureau will be the trusted advisor to the Department's decision-makers on all matters related to innovative project delivery and the IPD Program and will assist the Department in delivering successful projects through innovative methods in order to provide the best value to the State.


The utilization of innovative project delivery methods can achieve some or all of the following:

- More choices in funding, including the use of user fees, value capture, and other project revenues.
- More choices in financing, including the use of private debt that is non-recourse to the State.
- Access to federal financial resources intended to support innovative projects.
- Accelerated project delivery.
- Greater and/or earlier cost certainty and cost efficiency.
- Improved life cycle costs, quality, and accountability.
- DBE outreach and awareness

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# Stay Connected with IPD Bureau

<https://idot.illinois.gov/transportation-system/transportation-management/planning/innovative-project-delivery/stay-connected.html>



**Transportation System**

- Network Overview
- Transportation Management
- Transportation Safety
- Transportation Research
- Environment
- Local Transportation Partners
- Data Driven Decisions for Capacity Projects
- Rebuild Illinois

**Stay Connected**

**Contact Information**

- Bureau of Innovative Project Delivery [DOT.InnovativeProjectDelivery@Illinois.gov](mailto:DOT.InnovativeProjectDelivery@Illinois.gov)

The subscription link below is an added courtesy the Department provides for notifications.

**Instructions to Subscribe**

1. Prepare and send an email using the following email address: [subscribe-dot-ipdlist@lists.illinois.gov](mailto:subscribe-dot-ipdlist@lists.illinois.gov)
2. A return email will be sent from Lyris ListManager with instructions to confirm your subscription.

**Instructions to Unsubscribe**

1. With the confirmation email received above, the subscriber can elect to unsubscribe from any future notices.

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**15  
minutes**

**Questions?**

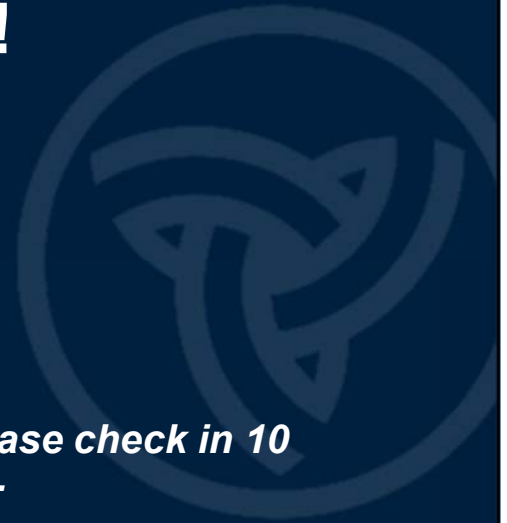


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**Thank you for attending!**

***Comment & Feedback Forms  
will be collected at the registration desk.***

***Reminder: 1-on-1 Meeting Registrants, please check in 10  
minutes prior to your scheduled start time.***



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