



**Village of Mount Prospect
Committee of the Whole
Meeting Agenda
50 S. Emerson St. Mount Prospect, IL 60056**

January 14, 2025

Village Hall - 3rd Floor Board Room

7:00 PM

- 1. CALL TO ORDER**
- 2. ROLL CALL**
- 3. MAYOR'S REPORT**
 - 3.1. PROCLAMATION: Martin Luther King, Jr. Day - January 20, 2025
- 4. CITIZENS TO BE HEARD**
- 5. DISCUSSION ITEMS**
 - 5.1. PREFERRED ALTERNATIVE FOR MELAS / MEADOWS PEDESTRIAN BRIDGE
MAIN SPAN
- 6. VILLAGE MANAGER'S REPORT**
 - 6.1. As submitted
- 7. ANY OTHER BUSINESS**
- 8. ADJOURNMENT**

ANY INDIVIDUAL WHO WOULD LIKE TO ATTEND THIS MEETING BUT BECAUSE OF A DISABILITY OR NEEDS SOME ACCOMMODATION TO PARTICIPATE, SHOULD CONTACT THE VILLAGE MANAGER'S OFFICE AT 847/392-6000, EXTENSION 5327

PROCLAMATION

Martin Luther King Jr. Day

January 20, 2025

Whereas: Dr. Martin Luther King Jr. devoted his life to advancing equality, social justice, and opportunity for all, and challenged all Americans to participate in the never-ending work of building a more perfect union; and

Whereas: One of the great leaders of the 20th century movement, Dr. Martin Luther King Jr., whose “dream” is no less inspirational and important today than when he first expressed it more than 50 years ago; and

Whereas: the King Holiday and Service Act, enacted in 1994, designated the King Holiday as a National Day of Volunteer Service; and

Whereas: since 1994 millions of Americans have been inspired by the life and work of Dr. Martin Luther King Jr. to serve their neighbors and communities on the King Holiday; and

Whereas: serving on the King Holiday is an appropriate way to honor Dr. King, meet local and national needs, bring our citizens together, and strengthen our communities and nation; and

Whereas: the King Day of Service is the only federal holiday commemorated as a National Day of Service and offers an opportunity for Americans to give back to their communities on the holiday and make an ongoing commitment to service throughout the year; and

Whereas: each of us can and must contribute to improving our communities and increasing opportunities for all our citizens.

Now, therefore, I, Paul Wm. Hoefert, Mayor of the Village of Mount Prospect, on behalf of the Board of Trustees, do hereby proclaim

Martin Luther King Jr. Day

as a Day of Service in the Village of Mount Prospect and call upon the people of the community to pay tribute to the life and works of Dr. Martin Luther King Jr. through participation in community service projects today and throughout the year.

Paul Wm. Hoefert, Mayor

ATTEST:

Karen M. Agoranos, Village Clerk

January 14, 2025



Item Cover Page

Subject	PREFERRED ALTERNATIVE FOR MELAS / MEADOWS PEDESTRIAN BRIDGE MAIN SPAN
Meeting	January 14, 2025 - MEETING OF THE MOUNT PROSPECT COMMITTEE OF THE WHOLE
Fiscal Impact	
Dollar Amount	
Budget Source	
Category	DISCUSSION ITEMS
Type	Presentation

Information

The Village's Comprehensive Plan and Bicycle Plan both identify opportunities for better connections between parks, schools, destinations, and neighboring communities for pedestrians and bicyclists. Safe crossing between Meadows Park and Melas Park is one challenge that has been recognized in promoting walking and biking. The two parks are divided by Northwest Highway (US Route 14) and the Union Pacific Railroad tracks. The Village believes constructing a pedestrian bridge over the roadway and railroad tracks in order to accomplish this key transportation goal would be effective.

Both Meadows and Melas parks are unique and draw residents from all areas of town. Melas Park is co-operated by the Mt. Prospect Park District and the Arlington Heights Park District. The Metropolitan Water Reclamation District of Greater Chicago (MWRD) owns the park. Melas Park facilities include a visual arts center, soccer fields, baseball/softball diamonds, a dog park, and walking paths. Meadows Park is owned by the Mt. Prospect Park District and includes an aquatic center, playground, and baseball/softball diamonds. The proposed pedestrian bridge will be constructed at the northeast corner of Melas Park and the southwest corner of Meadows Park.

The Village completed a Phase I Preliminary Engineering study with the services of an engineering consultant and was formally approved by IDOT in August 2022. The study received support from the Mt. Prospect Park District, Union Pacific Railroad, and Metropolitan Water Reclamation District (MWRD). It was partially funded by an Invest in Cook grant. The Village then applied for and received a federal funding commitment from the Illinois Transportation Enhancement Program (ITEP) in April 2023 for \$3,000,000. The Village also applied for and received a federal funding commitment from the Surface Transportation Program (STP) in October 2023 for \$2,033,824. And finally, the Village has received a \$517,400 award from the Congressional Appropriation Act of 2024 through the efforts of Representative Mike Quigley.

To date, the Village has secured \$5,551,224 in federal funding for Phase II Design

Engineering, Construction, and Construction Engineering. Village staff recently submitted a Grade Crossing Protection Fund application to the Illinois Commerce Commission (ICC) for additional state funding. The Village will have secured the maximum permitted 80% federal/state share for a construction project if successful. The Village will be responsible for the remaining 20% local share.

Phase II Design Engineering

The Village Board awarded a Phase II Design Engineering contract to Ciorba Group Inc. in November 2023. Ciorba Group has performed survey and geotechnical field work, performed preliminary grading and site drainage design, evaluated lighting and pier options for the trail approaches, begun work on the path and approach design, and most significantly completed a main span alternative analysis.

The Village received feedback from the community during the Phase I Preliminary Engineering study stating that the single-span steel box truss design that was determined to be the preferred alternative is functional and meets the minimum design requirements but may not be visually appealing. One of Ciorba Group's tasks, per the Scope of Services, was to develop and evaluate main span alternate designs. Their analysis considered three alternate designs that included developing renderings and cost estimates and performing a preliminary structural examination. The three alternate designs include a Vierendeel truss, network tied arch, and cable-stay.

Coordination with various stakeholders has also been a key accomplishment since the start of Phase II Design Engineering. Village and Ciorba Group staff have met with the Mt. Prospect Park District, Union Pacific Railroad, IDOT, ICC, and MWRD. The purpose of the meetings was to discuss the project status and schedule, solicit feedback on the preliminary design, and understand any permit/agreement requirements. Meetings outcomes were positive and stakeholders expressed support for the project.

Ciorba Group continues to develop construction plans and specifications. The current schedule is to complete bid documents by September 2025 with IDOT letting the project in November 2025, subject to funding. Construction is expected to take one year to complete.

A decision on the main span design is needed to maintain the current schedule. Village and Ciorba Group staff will be on hand at the January 14, 2025, Committee of the Whole Meeting to present the alternate main span designs and costs and facilitate discussion.

Discussion

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Village and Ciorba Group staff will be on hand at the January 14, 2025, Committee of the Whole Meeting to present the alternate main span designs and costs and facilitate discussion.

Alternatives

1. Select a preferred design for the Melas / Meadows bridge main span.
2. Action at the discretion of the Village Board.

Staff Recommendation

The Village Board selects a preferred design for the Melas / Meadows bridge main span.

Attachments

1. Melas-Meadows Bridge Presentation 01-14-2025 final (002)

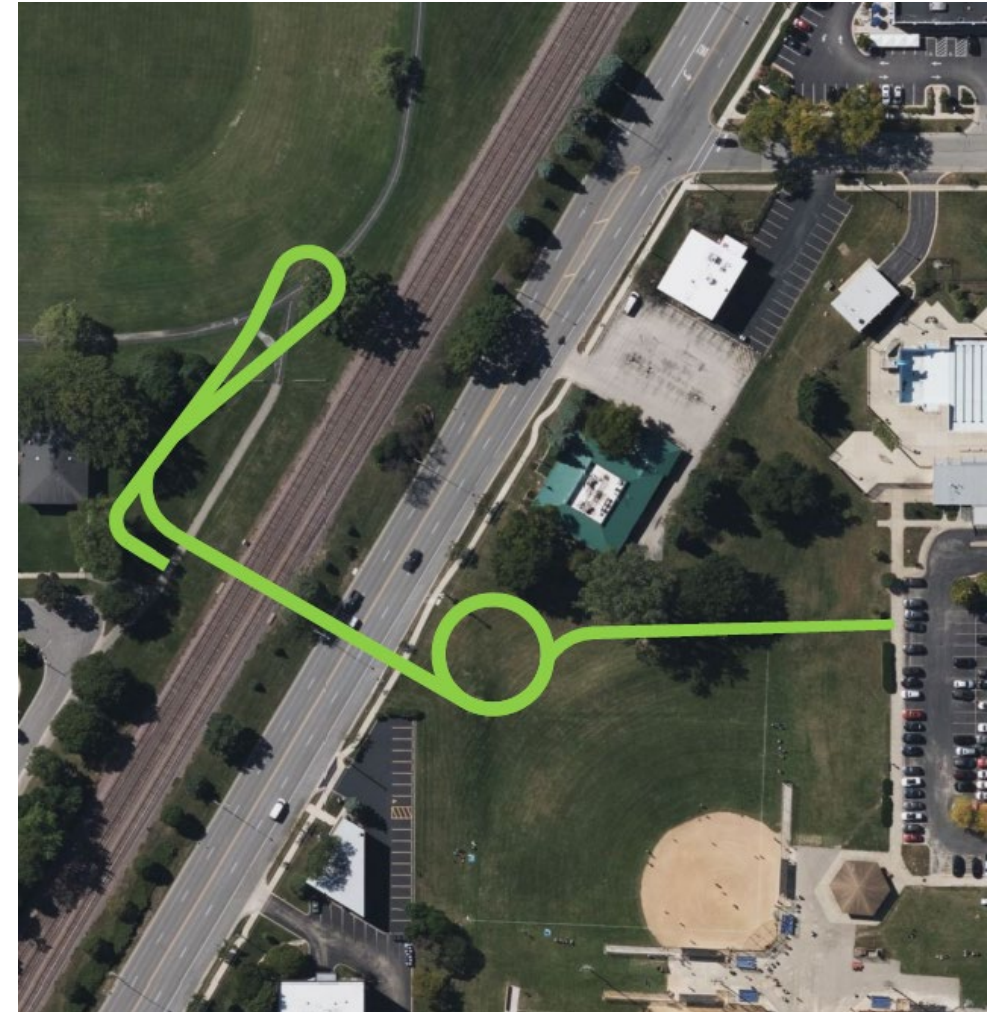
MELAS-MEADOWS PEDESTRIAN BRIDGE

PHASE II ENGINEERING UPDATE

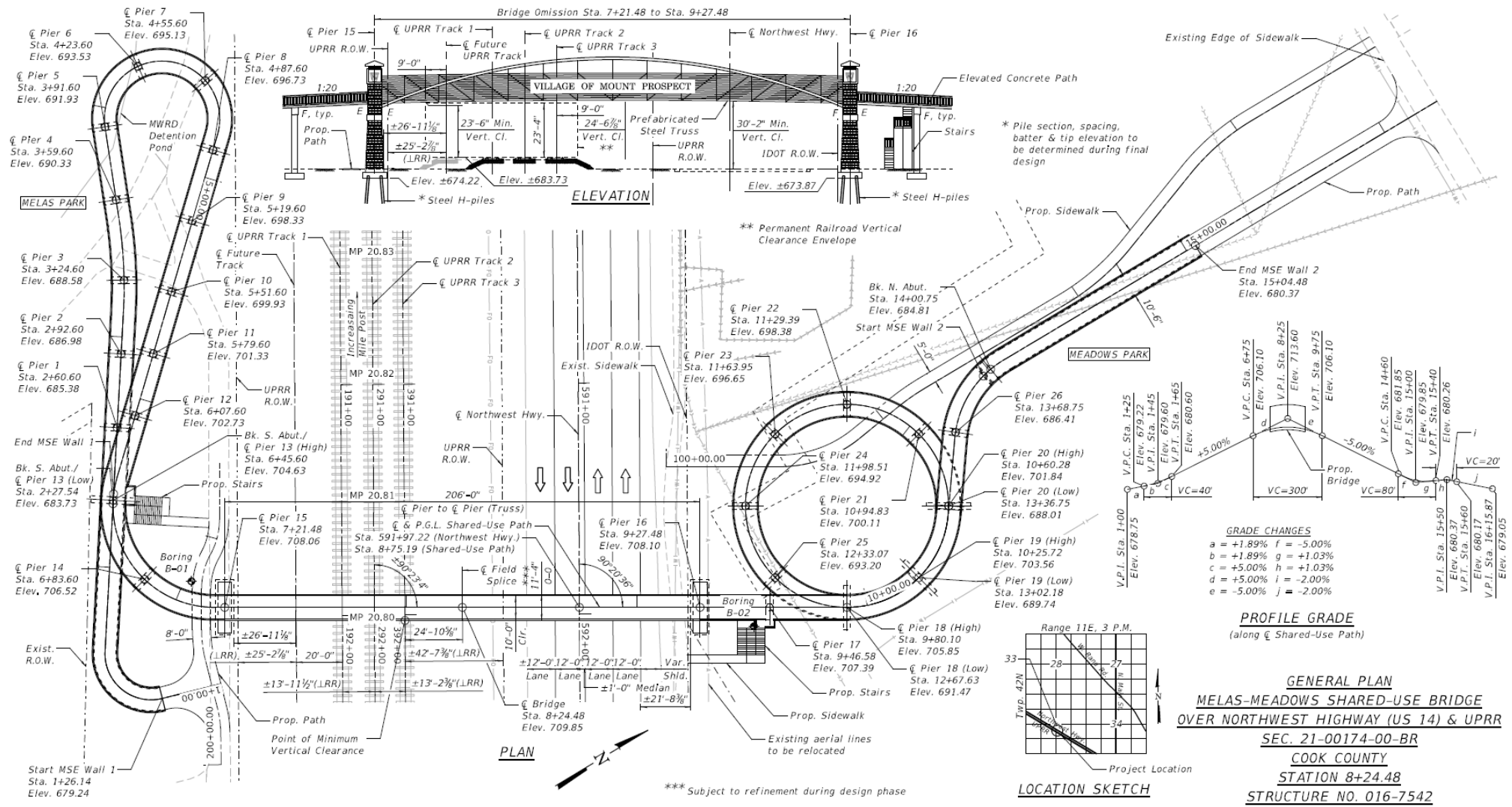
Village Board Meeting
January 14, 2025



Melas-Meadows Pedestrian Bridge



Approved Type, Size, Location Plan



Preliminary Renderings (Phase I) - Main Span



Preliminary Renderings (Phase I) - Main Span



Preliminary Renderings (Phase I) - Main Span



Work to Date (Phase II Engineering)

- Coordination meetings with Mount Prospect Park District, MWRD, IDOT, Union Pacific Railroad, Illinois Commerce Commission (ICC)
- Main span alternative analysis
- Geotechnical borings and draft Structure Geotechnical Report prepared
- Utility coordination
- Additional topographic survey
- Initial design of bridge approaches
- Initial design of lighting
- Review of connection to existing path/sidewalk



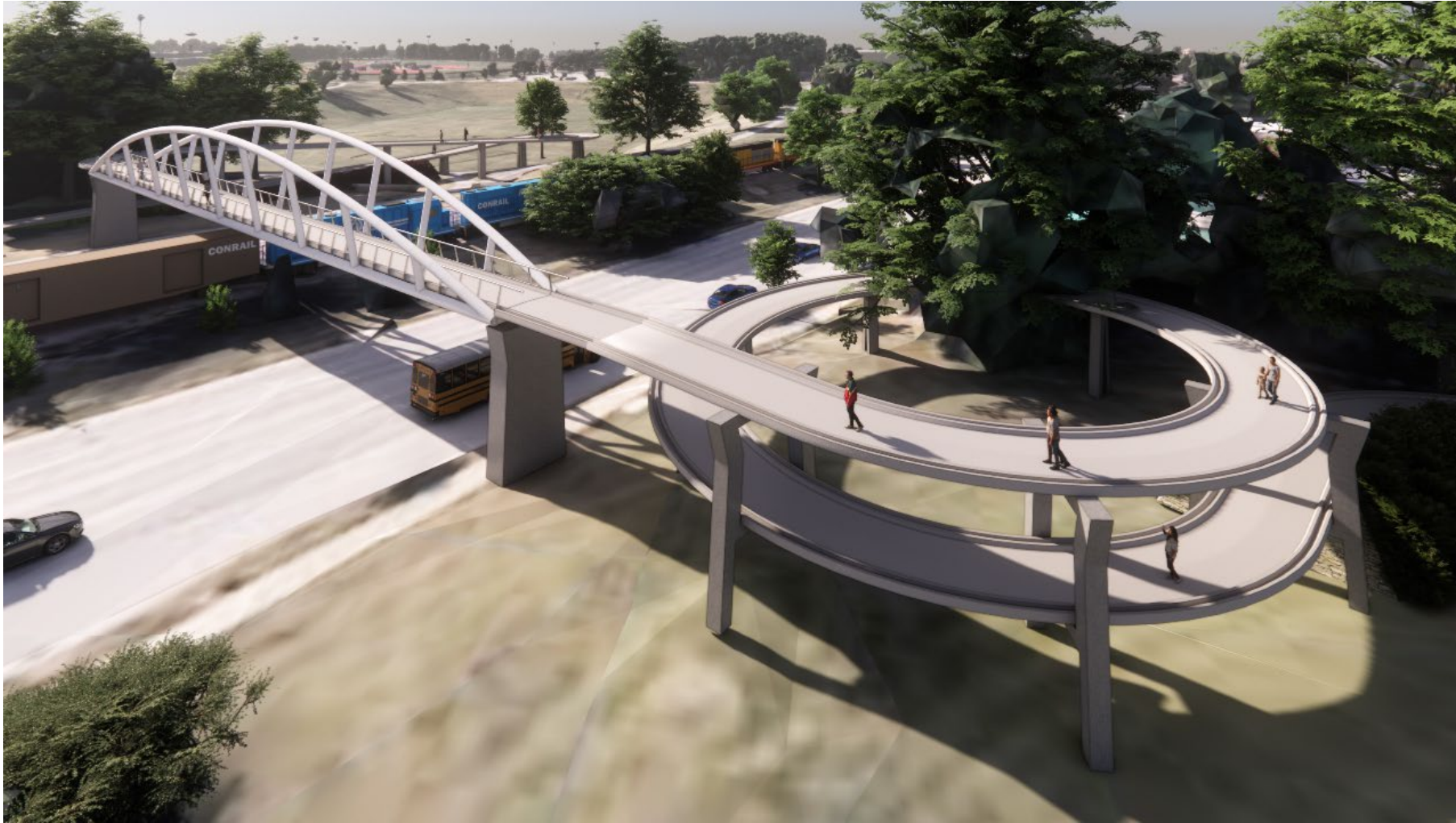
CiorbaGroup
CONSULTING ENGINEERS



Main Span Alternate - Vierendeel Truss



Main Span Alternate - Vierendeel Truss



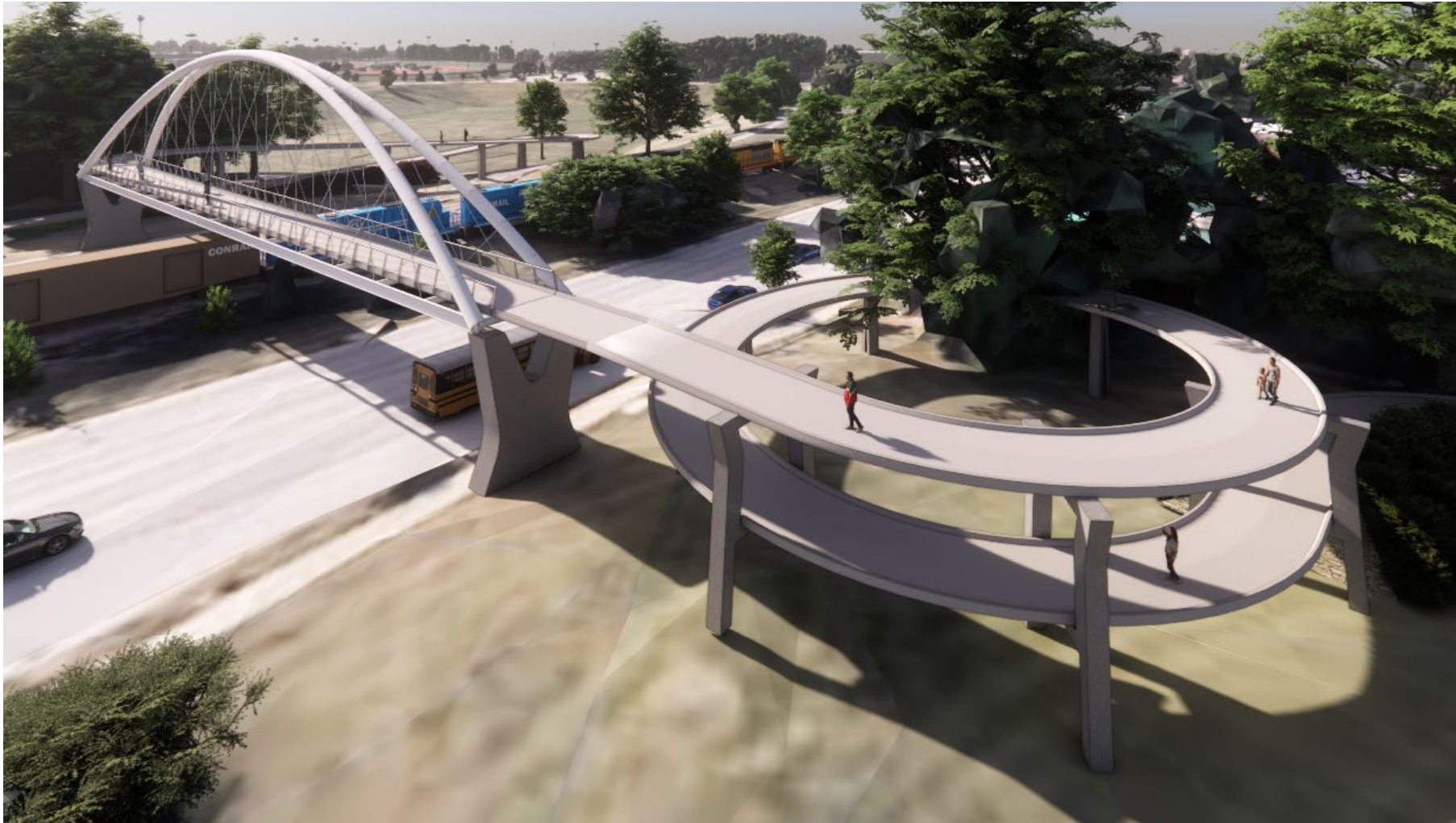
Main Span Alternate - Vierendeel Truss



Main Span Alternate - Network Tied Arch



Main Span Alternate - Network Tied Arch



Main Span Alternate - Network Tied Arch



Main Span Alternate - Cable Stay



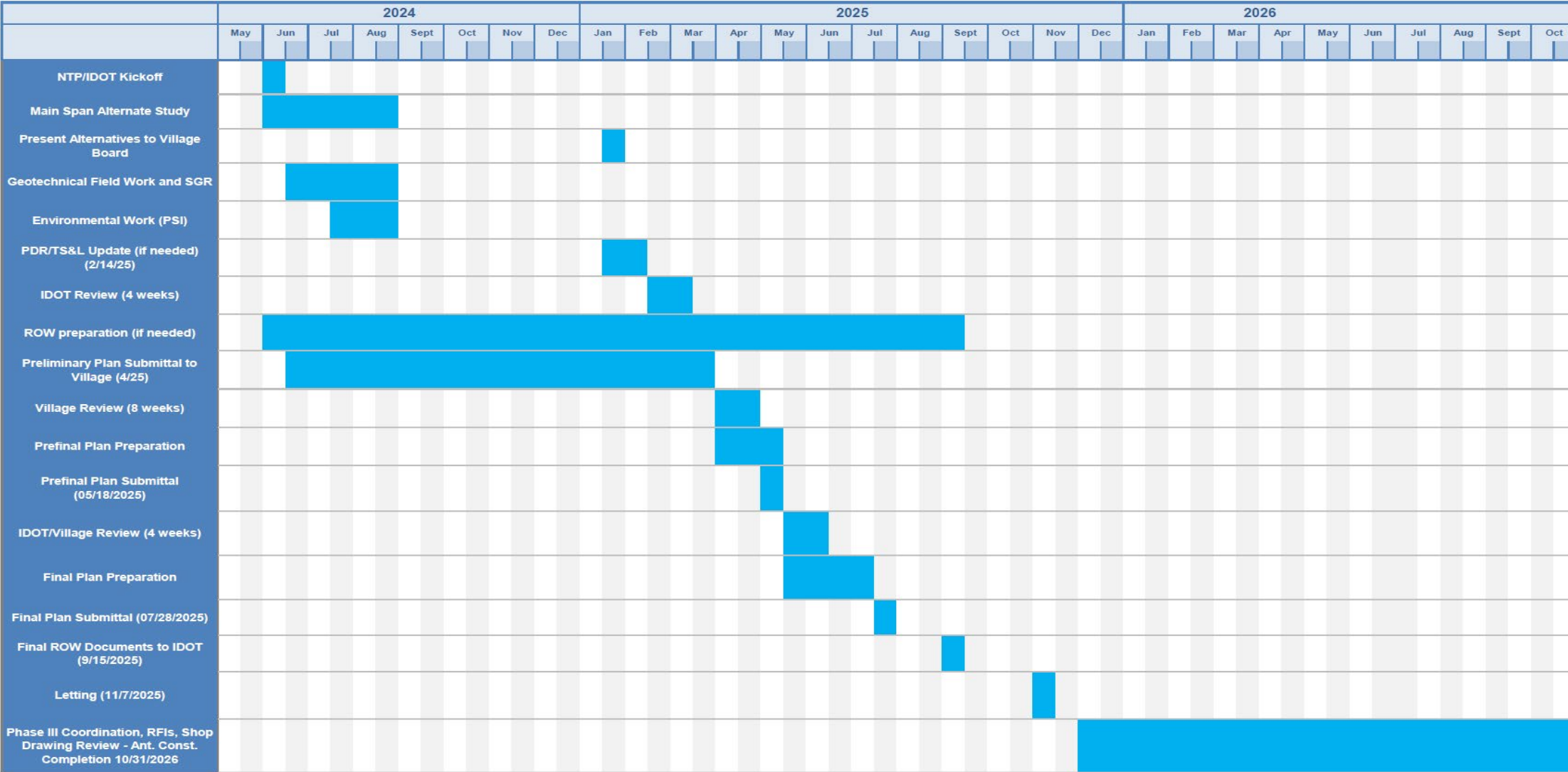
Main Span Alternate - Cable Stay



Main Span Alternate - Cable Stay



Anticipated Schedule



Federal/State/County Funding

Phase I Engineering

- Invest in Cook - \$61,946

Phase II Engineering

- Congressional Appropriation - \$517,400

Phase III Construction & Construction Engineering

- Illinois Transportation Enhancement Program - \$3,000,000
- Surface Transportation Program - \$2,033,824
- Grade Crossing Protection Fund (ICC) - \$2,905,000*

* (pending, undetermined yet)



Funding

Prefabricated Truss Design

	Estimated Total Cost	Grant Funding				Local Participation	Funding Gap
		Invest in Cook Participation	ITEP Participation	STP-Shared Participation	Congressional Legislative Add-On		
Phase I Preliminary Engineering	\$123,893.00	\$61,946.50	\$0.00	\$0.00	\$0.00	\$61,946.50	\$0.00
Phase II Design Engineering	\$725,716.00	\$0.00	\$63,173.00	\$0.00	\$517,400.00	\$145,143.00	\$0.00
Construction	\$7,548,600.00	\$0.00	\$2,440,123.00	\$2,033,824.00	\$0.00	\$1,509,720.00	\$1,564,933.00
Construction Engineering	\$754,860.00	\$0.00	\$496,704.00	\$0.00	\$0.00	\$150,972.00	\$107,184.00
Total	\$9,153,069.00	\$61,946.50	\$3,000,000.00	\$2,033,824.00	\$517,400.00	\$1,867,781.50	\$1,672,117.00

Vierendeel Design

	Estimated Total Cost	Grant Funding				Local Participation	Funding Gap
		Invest in Cook Participation	ITEP Participation	STP-Shared Participation	Congressional Legislative Add-On		
Phase I Preliminary Engineering	\$123,893.00	\$61,946.50	\$0.00	\$0.00	\$0.00	\$61,946.50	\$0.00
Phase II Design Engineering	\$725,716.00	\$0.00	\$63,173.00	\$0.00	\$517,400.00	\$145,143.00	\$0.00
Construction	\$7,962,798.00	\$0.00	\$2,440,123.00	\$2,033,824.00	\$0.00	\$1,592,560.00	\$1,896,291.00
Construction Engineering	\$796,280.00	\$0.00	\$496,704.00	\$0.00	\$0.00	\$159,256.00	\$140,320.00
Total	\$9,608,687.00	\$61,946.50	\$3,000,000.00	\$2,033,824.00	\$517,400.00	\$1,958,905.50	\$2,036,611.00

Tied Arch Design

	Estimated Total Cost	Grant Funding				Local Participation	Funding Gap
		Invest in Cook Participation	ITEP Participation	STP-Shared Participation	Congressional Legislative Add-On		
Phase I Preliminary Engineering	\$123,893.00	\$61,946.50	\$0.00	\$0.00	\$0.00	\$61,946.50	\$0.00
Phase II Design Engineering	\$725,716.00	\$0.00	\$63,173.00	\$0.00	\$517,400.00	\$145,143.00	\$0.00
Construction	\$8,949,635.00	\$0.00	\$2,440,123.00	\$2,033,824.00	\$0.00	\$1,789,927.00	\$2,685,761.00
Construction Engineering	\$894,964.00	\$0.00	\$496,704.00	\$0.00	\$0.00	\$178,993.00	\$219,267.00
Total	\$10,694,208.00	\$61,946.50	\$3,000,000.00	\$2,033,824.00	\$517,400.00	\$2,176,009.50	\$2,905,028.00

Cable Stay Design

	Estimated Total Cost	Grant Funding				Local Participation	Funding Gap
		Invest in Cook Participation	ITEP Participation	STP-Shared Participation	Congressional Legislative Add-On		
Phase I Preliminary Engineering	\$123,893.00	\$61,946.50	\$0.00	\$0.00	\$0.00	\$61,946.50	\$0.00
Phase II Design Engineering	\$725,716.00	\$0.00	\$63,173.00	\$0.00	\$517,400.00	\$145,143.00	\$0.00
Construction	\$11,172,129.00	\$0.00	\$2,440,123.00	\$2,033,824.00	\$0.00	\$2,234,426.00	\$4,463,756.00
Construction Engineering	\$1,117,213.00	\$0.00	\$496,704.00	\$0.00	\$0.00	\$223,443.00	\$397,066.00
Total	\$13,138,951.00	\$61,946.50	\$3,000,000.00	\$2,033,824.00	\$517,400.00	\$2,664,958.50	\$4,860,822.00



Preferred Alternative & Next Steps

Vierendeel Truss



Next Steps

- Begin main span design
- Continue to investigate funding opportunities
- Complete prefinal plans May 2025
- Complete final plans September 2025
- Scheduled letting November 2025
- Construction to begin Spring 2026

