

A5 – Calumet Ave Bridge Concepts



Memorandum

To: Dustin Anderson, Town of Munster, danderson@munster.org
Tom van der Woude, Town of Muster, tvanderwoude@muntser.org

Cc: Dean Button, City of Hammond, buttond@gohammond.com
Bill Baker, Little Calumet River Basin Development Commission, castleridge@sbcglobal.net

From: Jodi Mariano, Principal, Teska Associates

Date: May 28, 2021

RE: Calumet Avenue Bike and Pedestrian Bridge – Preferred Concept Design

The purpose of this memorandum is to document the conceptual level design process and outcomes for aesthetic improvements to the planned Calumet Avenue bike bridge within the City of Hammond. Teska was engaged by the Town of Munster to collaborate with representatives from the Town of Munster, City of Hammond, and Little Calumet River Basin Development Commission on the development of aesthetic enhancements to the planned bike and pedestrian bridge over Calumet Avenue near the Little Calumet River Trail.

The following representatives participated in this design effort:

Town of Munster	Dustin Anderson, Town of Munster, danderson@munster.org Tom VanDer Woude, Town of Muster, tvanderwoude@muntser.org
City of Hammond	Dean Button, City of Hammond, buttond@gohammond.com Phil Taillon City of Hammond, taillonp@gohammond.com Kevin Smith, Smith Sersic, ksmith@smithsersic.com Adam Clauss, BLN Engineering, aclauss@b-l-n.com
Little Calumet River Development Commission	Bill Baker, Little Calumet River Basin Development Commission, castleridge@sbcglobal.net Dan Repay, Little Calumet River Basin Development Commission, drepay@littlecalumetriverbasin.org

A summary of meeting activities and key outcomes follows below:

Meeting #1, April 8th, 2021

During the kickoff meeting, the group reviewed concept level and engineering bridge design work prepared to date as well as built photos of the *Calumet Conkey Bridge*, a recently constructed bridge which is the basis of design for the Calumet Avenue Bike Bridge. Following a review of comparable photographs from other bridge aesthetic projects, the group agreed upon the following enhancements for the Calumet Avenue bridge.

1. *Railing*. Railing design
2. *Columns*. Hammer head columns and MSE retaining walls – formliner design (within available INDOT standards)
3. *Fabric Wrap*. Wrap fabric banners to space between trusses, attached to WWM 2x2 grid
4. *Signage*. Signage options (3 options: Hammond, Little Calumet River Trail, no sign)
5. *Trailhead*. Trailhead plazas (Hammond standard signage with Munster destinations, benches, bike repair station)

Meeting #2, May 6th, 2021

During the preliminary concept and alternatives review, the group reviewed conceptual bridge aesthetic enhancements prepared by Teska. The enhancements included railing options, column formliner treatment options, fabric banner wrapping options, signage options and enhancements to the trailhead area. Upon review and discussion, the group agreed to the following items:

1. *Overall Theme*. The group generally liked the idea to pull design cues from the planned Munster Streetscape efforts, including an emphasis on natural materials, riverine landscaping and native plantings.
2. *Railing*. The reed pattern in a painted bronze color was preferred
3. *Columns*. Random ashlar stone pattern formliner with no integrated color was preferred; no logo was preferred for the columns.
4. *Fabric Wrap*. The stylized river option (Option 'B') was preferred; consider alternative color options
5. *Signage*. The group was interested in seeing options that identified the bridge as a City of Hammond Bridge.
6. *Trailhead*. Eliminate trees and crushed stone due to proximity to the levee.

Meeting #3, May 20th, 2021

During the preferred concept review, the group reviewed refined aesthetic plan materials based on inputs from the May 6th meeting. Upon review and discussion, the collective feedback from the group included the following items:

1. Provide additional materials for elected officials, staff, and community review.
2. Provide additional bridge elevations that depict all signage options with the preferred fabric wrap option.
3. Provide additional fabric wrap elevations with no sign shown.
4. Revise signage colors.

Final Deliverable, May 26, 2021

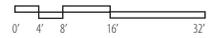
Based on the inputs gathered above, the final preferred plan was provided to the group via email. That plan is attached to this memo.

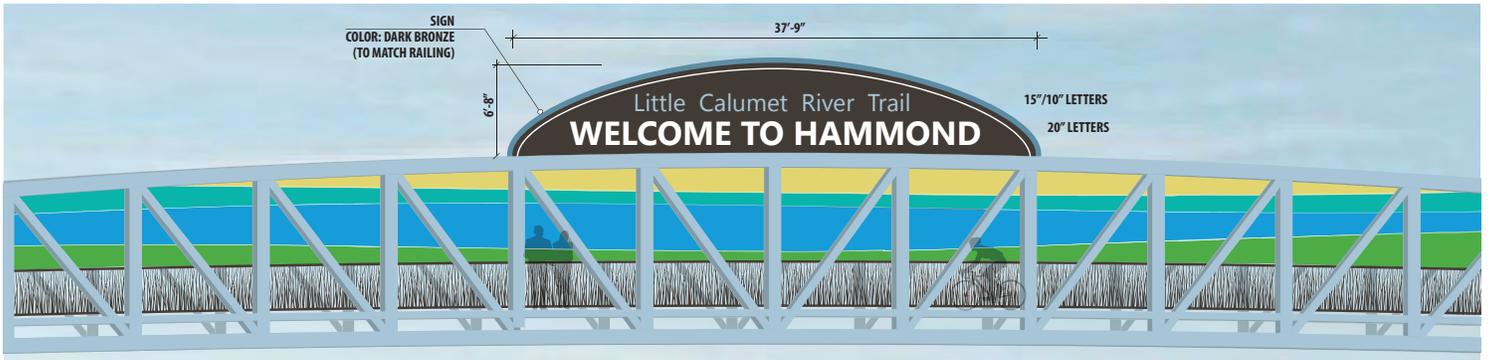
Encl: Calumet Avenue Bike and Pedestrian Bridge Preferred Concept Package

- *Pages 1-6: Sign Options S1-S6*
- *Page 7: Fabric Wrap Options F1-F3*
- *Pages 8-10: Materials + Products*
- *Page 11: Trailhead Plaza*



OPTION S1
 FONT: Corbel (Demi-Bold "City of Hammond")
 Corbel (Regular "Little Calumet River Trail")



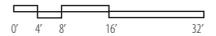


OPTION S2

FONT: Leelawadee UI (Bold "Welcome of Hammond")
 Leelawadee UI (Regular "Little Calumet River Trail")



CALUMET AVENUE

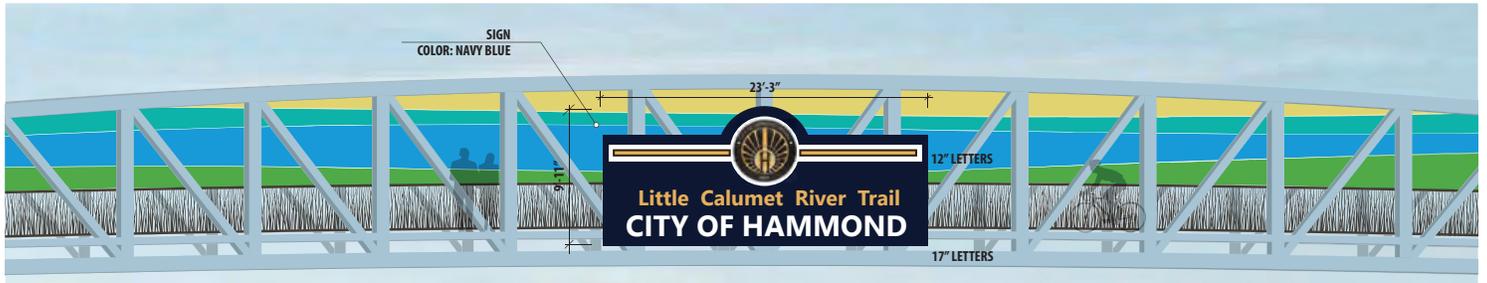


Joint Project Between the Town of Munster and the City of Hammond, Indiana
Calumet Avenue Bike and Pedestrian Bridge

Pedestrian Bridge: Preferred Concept (Option S2)



May 25, 2021

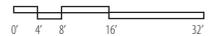


OPTION S3

FONT: Leelawadee UI (Bold)



CALUMET AVENUE



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Calumet Avenue Bike and Pedestrian Bridge

Pedestrian Bridge: Preferred Concept (Option S3)

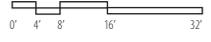


May 25, 2021



OPTION S4

FONT: Leelawadee UI (Bold)



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Pedestrian Bridge: Preferred Concept (Option S4)



May 25, 2021



OPTION S5
 FONT: Leelawadee UI (Bold "Welcome of Hammond")
 Leelawadee UI (Regular "Little Calumet River Trail")





OPTION S6
 FONT: Leelawadee UI (Bold)





OPTION F1



OPTION F2



OPTION F3

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Calumet Avenue Bike and Pedestrian Bridge

Pedestrian Bridge: Fabric Banne Color Options



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CALUMET CONKEY BRIDGE PIER



SAMPLE PHOTO OF A STONE PATTERN FORMLINER
COLOR: GREY CONCRETE
FORMLINER SHOWN IS #1208 DRYSTACK BY CUSTOMROCK FORMLINER OR EQUAL
FINAL FORMLINER TO BE DETERMINED



PREFERRED COLUMN SHAPE

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Calumet Avenue Bike and Pedestrian Bridge

Character Images: Preferred Hammerhead Column Treatments



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CALUMET CONKEY BRIDGE RAILING



PREFERRED RAILING: "REED" METAL RAILING WITH PAINTED FINISH



OPTIONAL LASER CUT "REED" METAL RAILING



AVAILABLE FABRIC OPTIONS TO BE TESTED FOR TRANSPARENCY / OPACITY

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Calumet Avenue Bike and Pedestrian Bridge

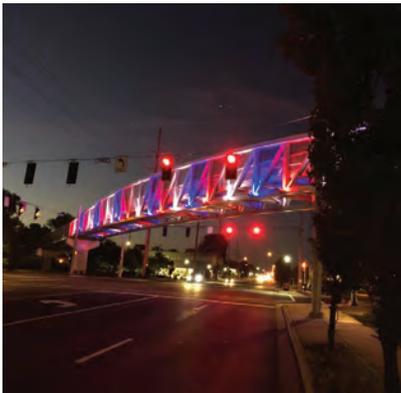
Character Images: Preferred Railing / Fabric Banner Treatments



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CALUMET CONKEY BRIDGE



CALUMET CONKEY BRIDGE LIGHTING



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Calumet Avenue Bike and Pedestrian Bridge

Calumet Conkey Bridge Existing Photos



May 25, 2021



OUTCROPPING SEAT OPPORTUNITIES



HAMMOND BIKE DIRECTIONAL SIGN



HAMMOND BIKE AREA MAP SIGN - CONSIDER INCORPORATING MUNSTER DESTINATIONS AS APPROPRIATE TO THE SIGNAGE

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Calumet Avenue Bike and Pedestrian Bridge

Calumet Avenue Pedestrian Bridge Bike Plaza



May 25, 2021