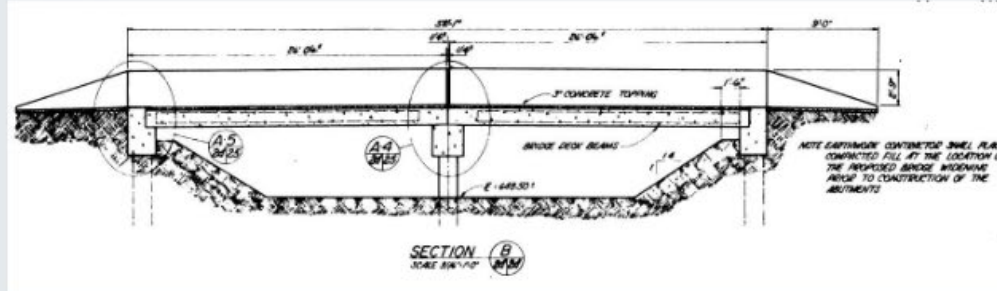


Need for the Bridge Replacement

- > An inspection of the existing bridge indicated that due to the age and condition of the bridge, substantial repairs would be required.
- > A feasibility study was conducted in 2018 to review repair options and recommended a full structure replacement.
- > A recent bridge inspection has been conducted to ensure the safety of the existing structure.



Existing Structure History

- > Originally Built in 1961
- > Average Daily Traffic = 8,350 vehicles

Benefits of the Bridge Improvement

The replacement of the existing bridge allows for several other roadway improvements to occur including:

- > Pavement reconstruction and resurfacing
- > Roadway runoff conveyance improvements
- > The chance to widen the structure for pedestrians
- > The addition of a third lane to accommodate a left turn lane to Springbrook Drive

Existing Land Use

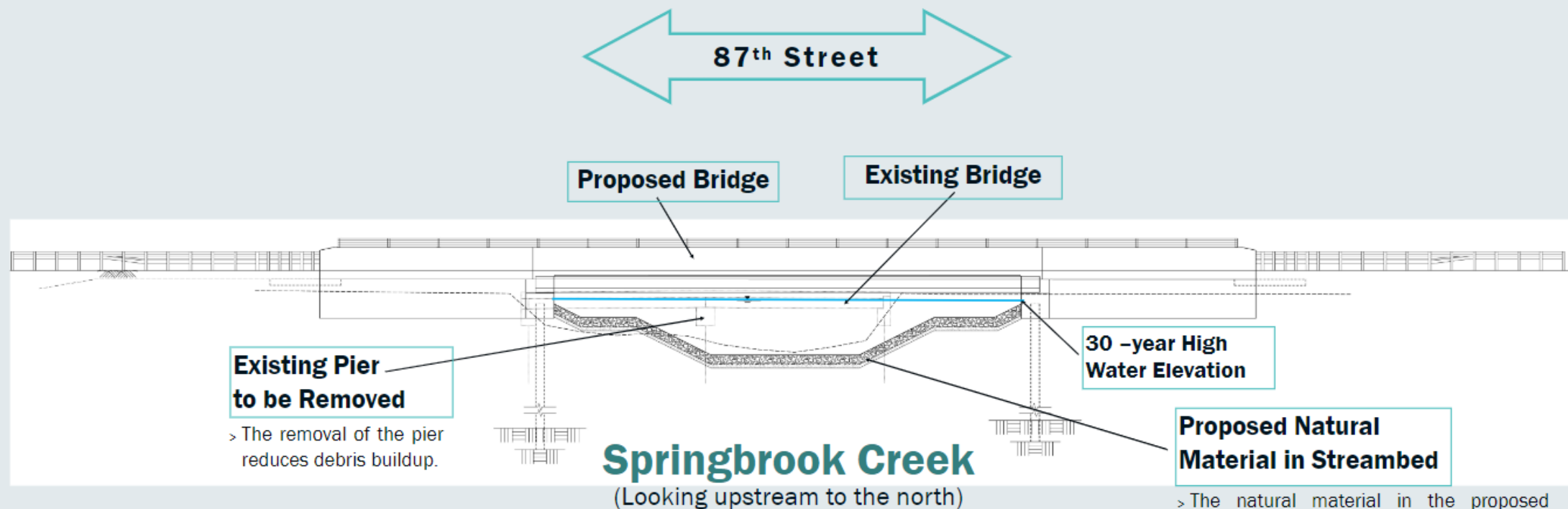


- > The bridge carries 87th Street over Springbrook Creek
- > The county line passes through 87th Street with DuPage County on the north and Will County on the south.
- > The City of Naperville has present jurisdiction and maintenance of the structure.

87th Street Bridge Replacement

Proposed Bridge: Single Span PPC I-Girder Bridge

The roadway profile at the bridge will be raised to provide clearance over the 30-year high water elevation and provide a larger waterway opening improving conveyance.



The proposed single span structure is the recommended design. This design will require less maintenance over its lifespan and will allow the creek to be free of piers to reduce sedimentation.

87th Street Bridge Replacement

Proposed Roadway Improvements



-  Proposed Bridge
-  Proposed Sidewalk on South Side
-  Proposed Retaining Wall
-  Proposed Left Turn Lane



The proposed retaining walls at all 4 corners of the bridge will help contain the additional fill from the profile raise and limit the need for ROW acquisitions.

The left turn lane will improve the functionality of east-west travel and reduce the potential for collisions.

Safety railings and guardrails alongside the retaining walls will be provided to meet safety requirements for vehicles and pedestrians.

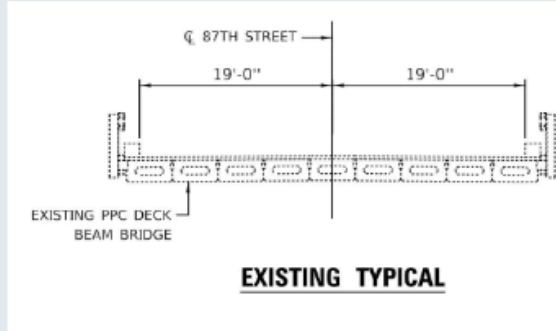
The proposed bridge will be widened to include a sidewalk on the south side to allow for safe pedestrian travel across the bridge.

87th Street Bridge Replacement

Construction Staging

STAGE 1

- > Maintain eastbound traffic
- > Construct westbound lanes



Existing Bridge

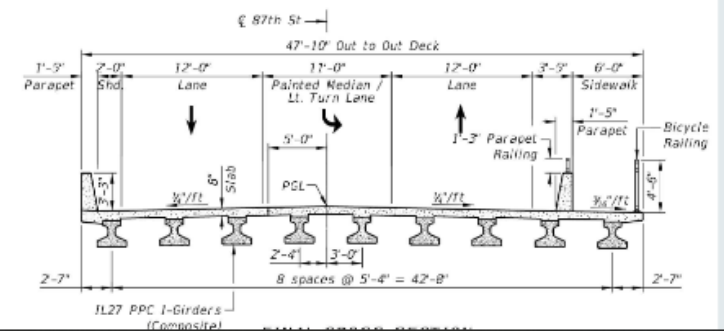
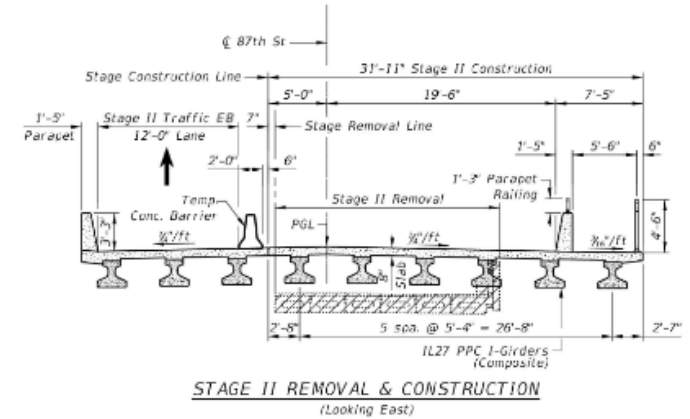
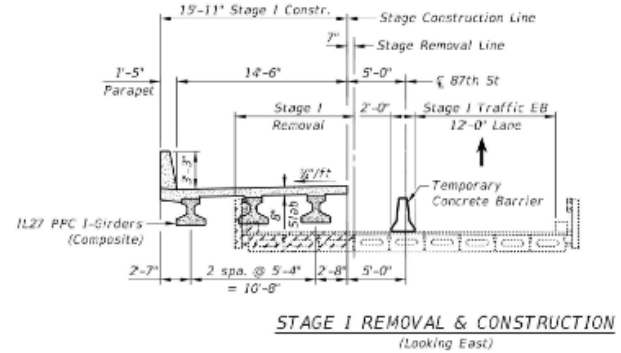
One eastbound and one westbound lane

STAGE 2

- > Maintain eastbound traffic via westbound lane
- > Construct eastbound lanes

STAGE 3

- > Final completed cross section

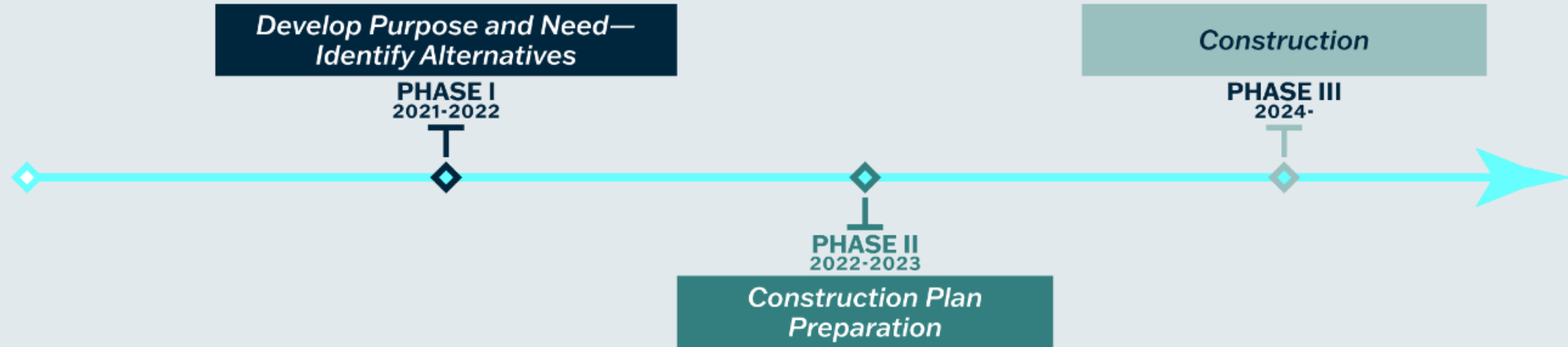




> The westbound lane will be closed during construction and will be rerouted via Modaff Road, 75th Street, and Plainfield-Naperville Road.

> The eastbound lane will remain open during construction.

★ Note: The City of Naperville Fire Department has been notified of the detour plans.



Provide written comments on the [Comment Card](#) and drop them in the box.

Visit the City of Naperville's Project Website: <https://www.naperville.il.us/87thbridge>

- . Public can review information regarding proposed improvements & provide comments
- . Public can review Section 4(f) Report and provide comments

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