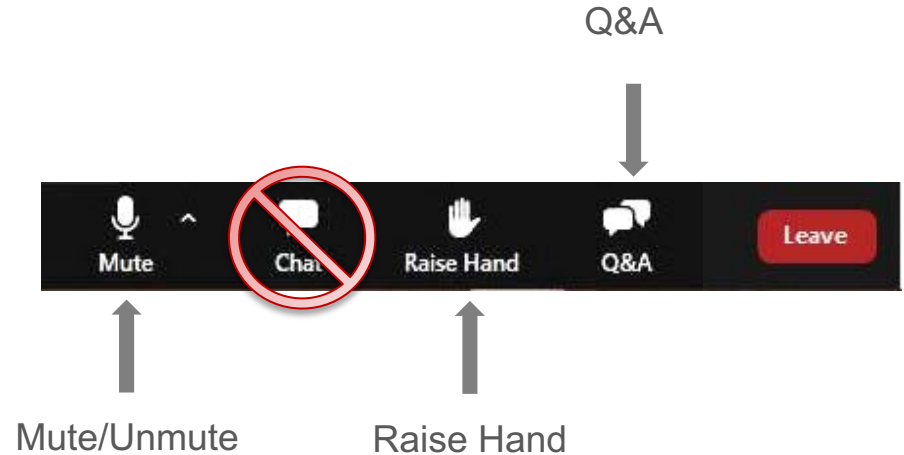


MEETING STARTS AT 6 P.M.

- Your cameras are off and you are muted
- During the Q&A (after presentation):
 - Online participants:
 - Use “Raise Hand” to speak
 - Type your questions into “Q&A”
 - YouTube is watch-only mode
 - Telephone participants
 - (312) 626-6799; ID: 848 6222 4573
 - Dial Star (*) 9 to “Raise Hand”
 - Dial star (*) 6 to unmute when prompted



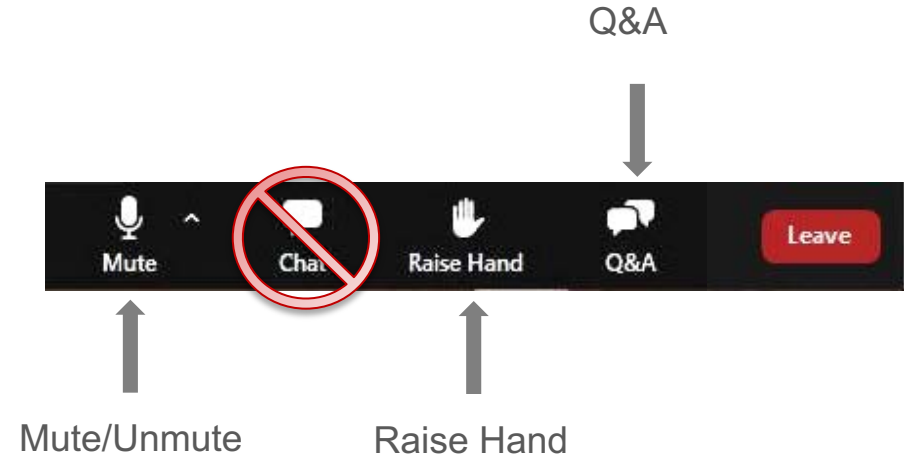
Western Hills Viaduct Replacement

PROJECT UPDATE

December 3, 2020

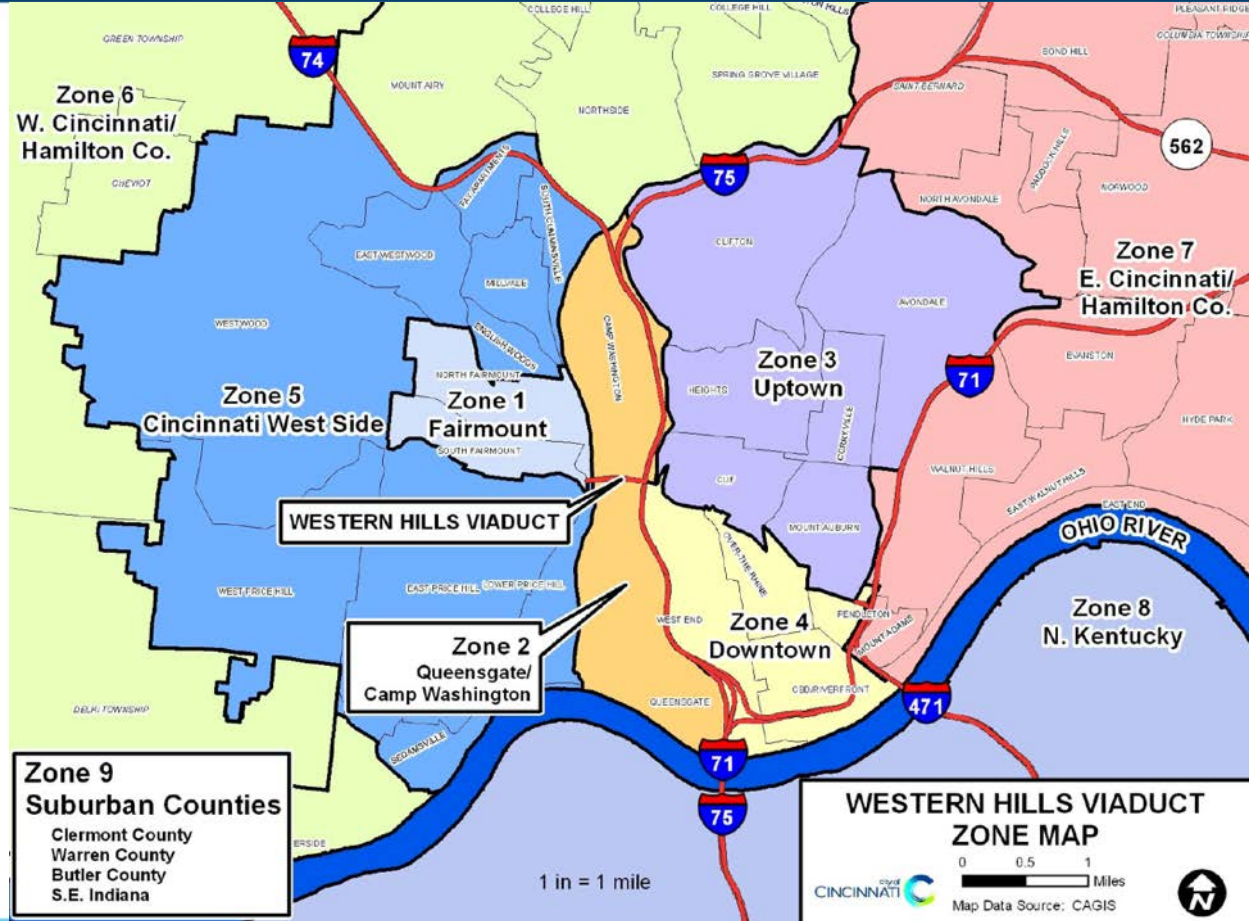


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POLL QUESTIONS

- Zone 1: North/South Fairmount
- Zone 2: Queensgate/
Camp Washington
- Zone 3: Uptown
- Zone 4: Downtown
- Zone 5: Cincinnati – West Side
- Zone 6: West Cincinnati/
Hamilton County
- Zone 7: East Cincinnati/
Hamilton County
- Zone 8: Northern Kentucky
- Zone 9: Suburban Counties
- Zone 10: Other



Eric Beck, P.E., P.S.
County Engineer
Hamilton County



Bill Shefcik, P.E.
WHV Project Manager
City of Cincinnati



Sajid Abbas, PhD., P.E.
Project Manager
T.Y. Lin International

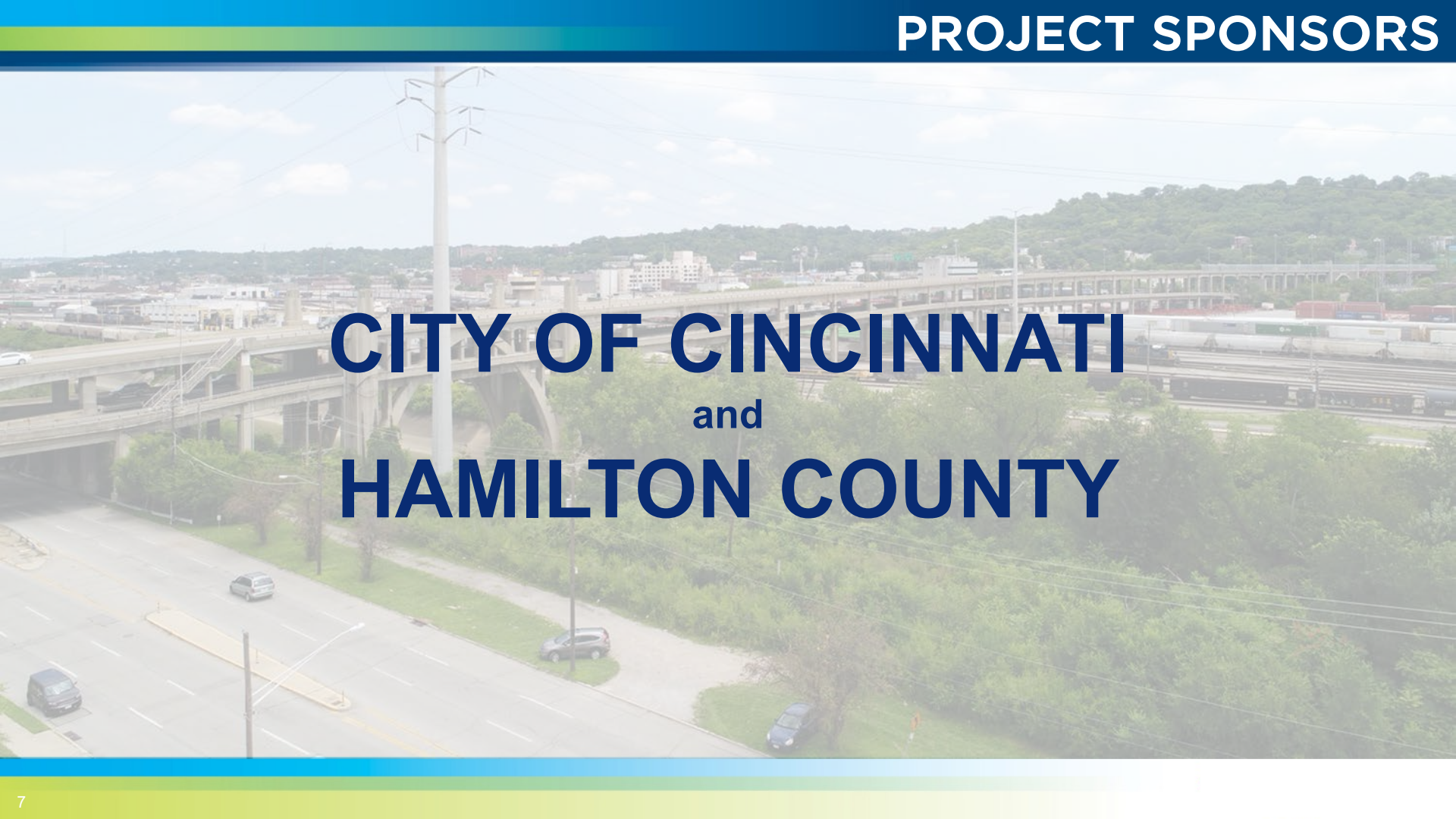


Eric Beck, P.E., P.S.

Hamilton County Engineer



Hamilton
County

An aerial photograph of Cincinnati, Ohio, showing a complex network of multi-level highways and bridges. In the foreground, a multi-lane road with a yellow-painted median runs horizontally. Several cars are visible on the road. To the right, a large industrial or rail yard is filled with numerous white and blue shipping containers and several semi-trailers. The background features a dense urban area with various buildings and a large, green, tree-covered hillside under a blue sky with scattered white clouds. The text 'CITY OF CINCINNATI and HAMILTON COUNTY' is overlaid in the center in a bold, dark blue font.

CITY OF CINCINNATI
and
HAMILTON COUNTY

BRIDGE MAINTENANCE AGREEMENT

- City of Cincinnati inspects and maintains 27 Hamilton County bridges within City limits
 - Includes Western Hills Viaduct
- Agreement in place for 50 years
- Hamilton County annually provides \$1 million to the City of Cincinnati to pay for maintenance of 27 bridges

COUNTY/CITY BRIDGE PARTNERSHIP EXAMPLES



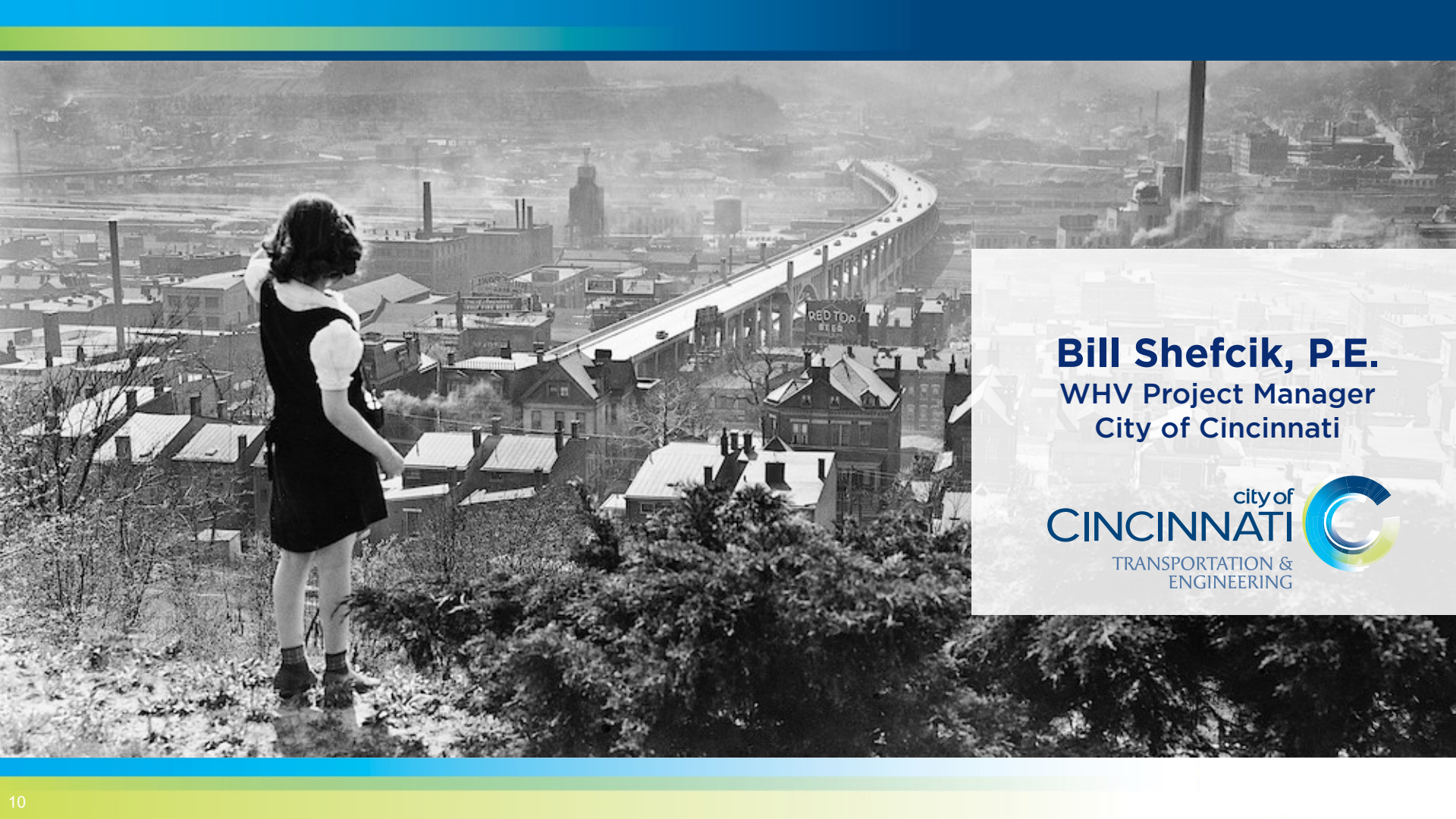
Marburg Ave. Bridge



Eighth St. Viaduct



Kennedy Ave. Bridge



Bill Shefcik, P.E.
WHV Project Manager
City of Cincinnati



Current Conditions

- Safe
- Poor condition
- Substandard geometry
- End of useful life
- Weight limits imposed
- Netting to be added



PROJECT DEVELOPMENT PROCESS



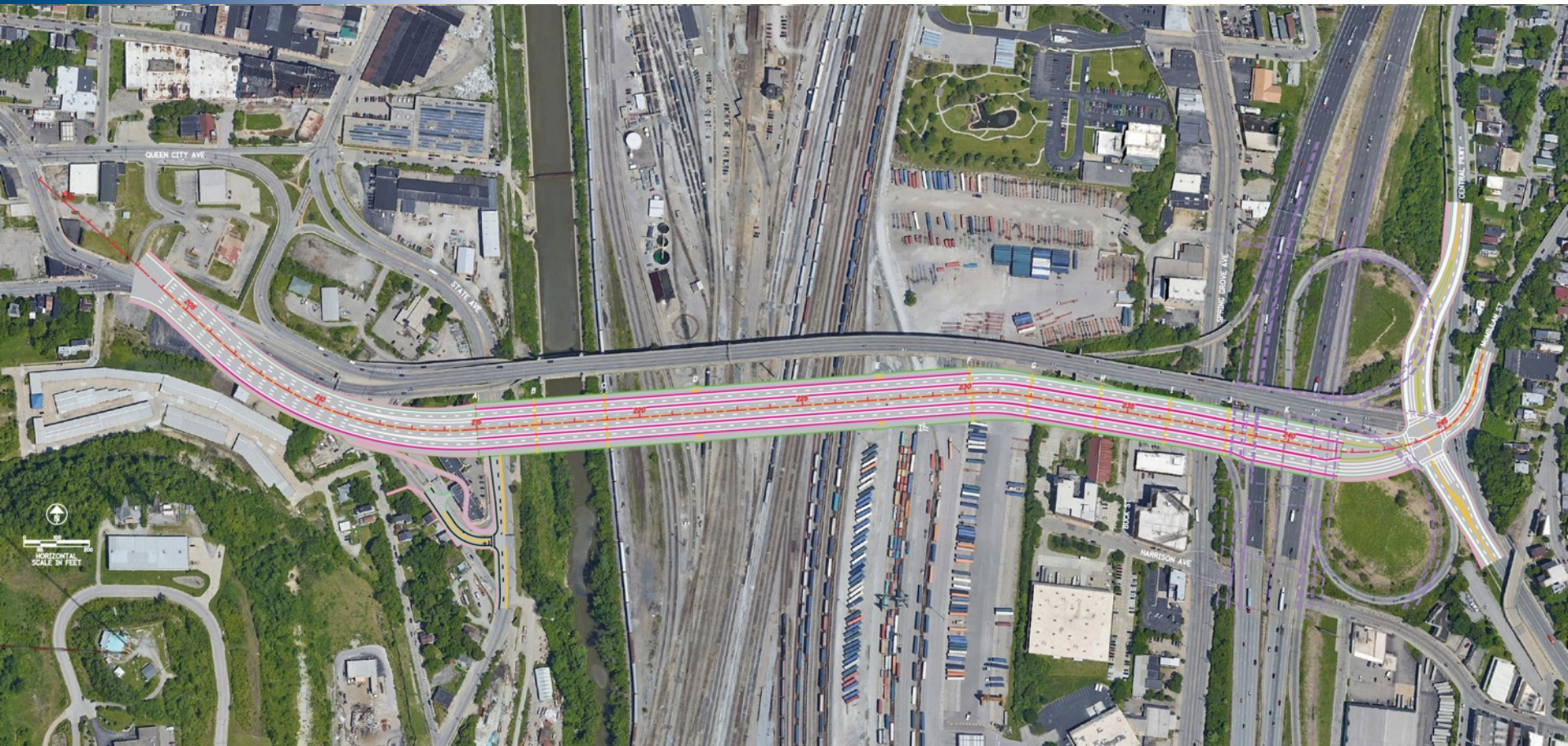
- Define problem
- Assess existing and future conditions
- Identify stakeholders
- Determine scope

- Conduct field investigations
- Conduct feasibility study
- Identify preferred alternative

- Obtain public input
- Conduct detailed environmental analysis
- Complete environmental documentation

- Complete bridge-type study
- Obtain public input
- Complete detailed design
- Finalize Right-of-Way acquisition

THE PROPOSED WESTERN HILLS VIADUCT



Interchange and I-75 work

- Design start: 2021
- Est. construction start: TBD
- Est. completion: TBD
- Cost: \$153.5 million



- Consultant T. Y. Lin retained: 2018
- Detailed study of bridge types: 2018 – 2020
 - Collaboration with CSX and NS railroads
 - Coordination with ODOT and Duke Energy
- Cost estimates/ranking bridge types: 2020

Sajid Abbas, PhD., P.E.

Project Manager
T.Y. Lin International

TY·LININTERNATIONAL

QUEENSGATE RAILYARD



Locomotive Wash Shed

Classification Yard

Fuel Storage Tanks

Intermodal Terminal

COORDINATION WITH RAILWAYS

- Queensgate Classification Yard
- Intermodal Terminal
- Railyard operates 24 hours, 365 days
- Limited access
- Flagging and protection necessary



Bridge Types

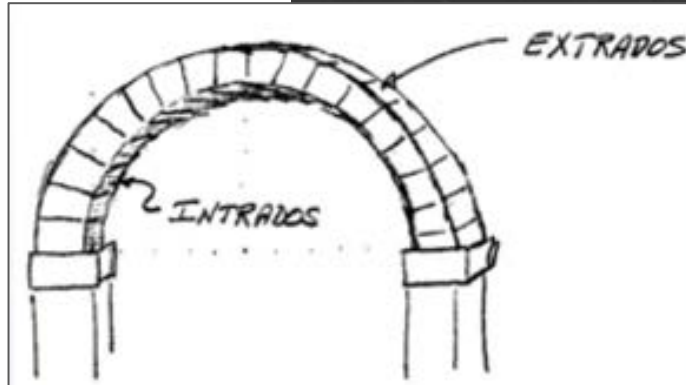
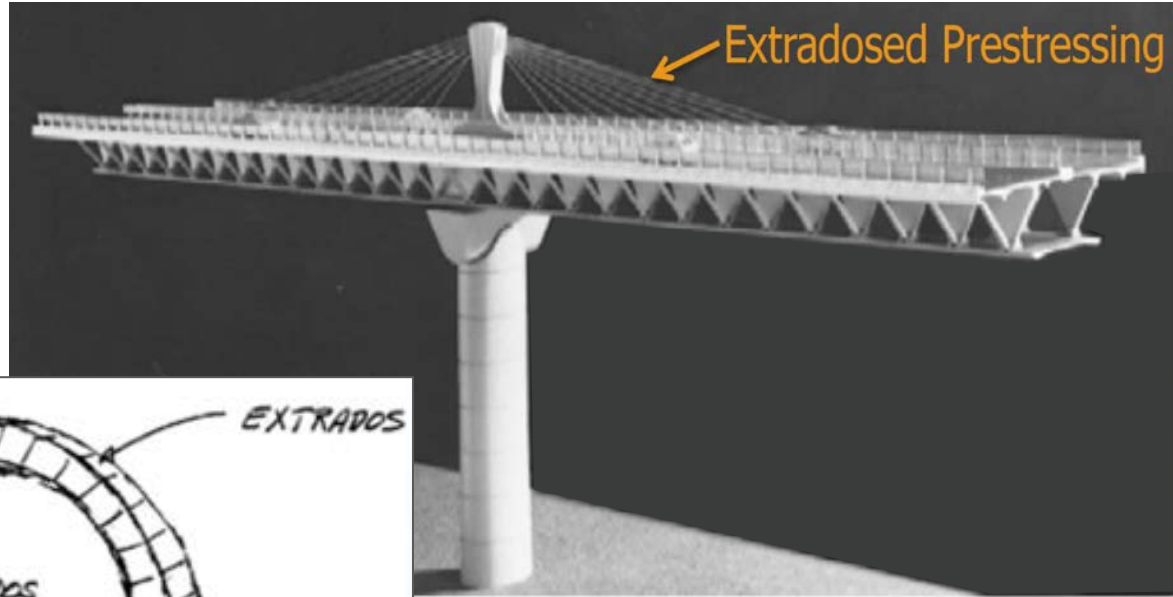
1. Extradosed
2. Segmental Concrete
3. Arch
4. Truss
5. Trapezoidal Steel Box
6. Cable Stay

Evaluation Criteria

- Cost
- Aesthetics
- Durability/ Maintainability
- Railroad Preference
- Constructability
- Claims Potential
- Traffic Operations
- Bridge Drainage

ex•TRA•dos

- The exterior curve of an arch
- Named by Jacques Mathivat, 1988



THE PROPOSED WESTERN HILLS VIADUCT

- Located 50 ft south of the existing viaduct
- Single deck
- Four lanes, each way
- Multi-use path on south side; sidewalk on north
- Four sets of support piers
- Two sets of low cable-stayed towers

(Looking west)



THE PROPOSED WESTERN HILLS VIADUCT



THE PROPOSED WESTERN HILLS VIADUCT



(Looking southeast, toward Downtown)

THE PROPOSED WESTERN HILLS VIADUCT



(Multi-use path, looking east)

EXTRADOSADO CONSTRUCTION

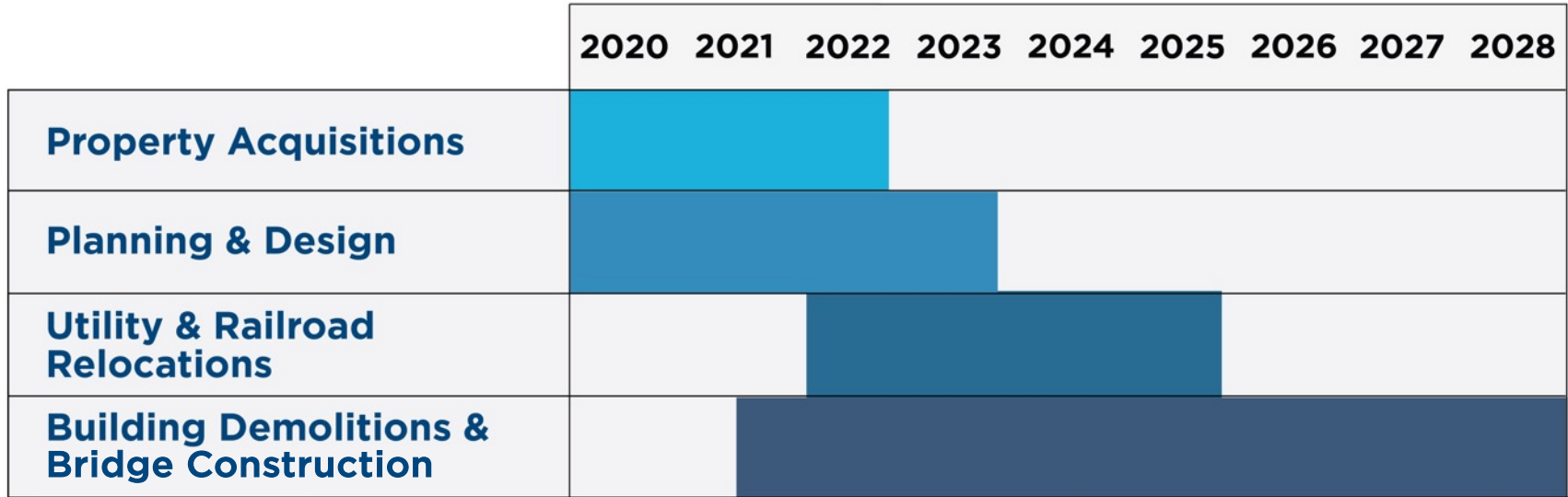


Bill Shefcik, P.E.

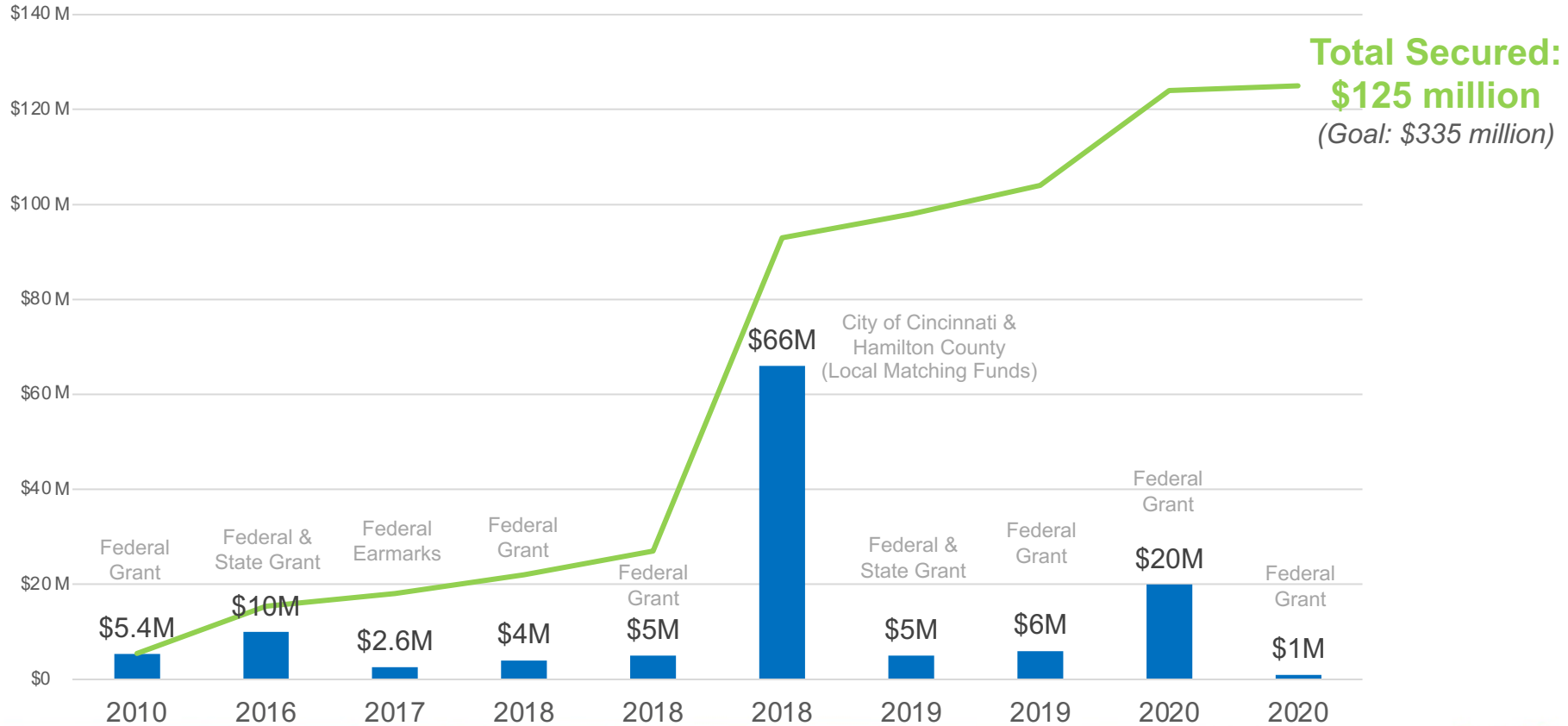
WHV Project Manager
City of Cincinnati



REPLACEMENT TIMELINE



FUNDING MILESTONES



POTENTIAL FUNDING SOURCES

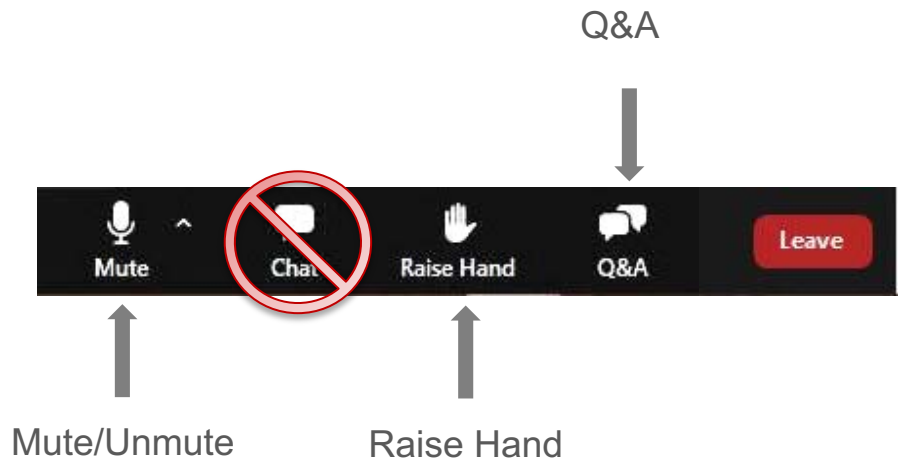
- Southwest Ohio Regional Transit Authority (SORTA)
- Ohio-Kentucky-Indiana Regional Council of Governments (OKI)
- Ohio Public Works Commission (OPWC)
- Ohio Department of Transportation (ODOT)
- U.S. Department of Transportation (USDOT)

YOUR FEEDBACK

www.Cincinnati-OH.gov/WHV

QUESTIONS

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Project Website

 cincinnati-oh.gov/whv

Project Contact:

Bill Shefcik, DOTE
WHV Project Manager
bill.shefcik@cincinnati-oh.gov
(513) 352-5273

Recording of tonight's meeting:

 https://www.youtube.com/channel/UCSrcR2FkmSnqy_KkQKYUfIA

Communications Contact:

Ursula Miller, DOTE
Communications Manager
ursula.miller@cincinnati-oh.gov
(513) 250-5171

The City of Cincinnati's Department of Transportation & Engineering and its partners are following the requirements of the National Environmental Policy Act (NEPA) of 1969 for the Western Hills Viaduct replacement project. For details: www.cincinnati-oh.gov/WHV.