# Western Hills Viaduct Replacement

Major Projects and Smart Government Committee April 13, 2021







# PROPOSED ALIGNMENT



#### PROJECT UPDATE

- Structure type selected
- Consultant proceeding with detailed design
- Property acquisition in progress
- Building demolition contracts to begin this year
- Detailed design of I-75 interchange this year
- Funding update FYI memo dated 4/2/21

# **SELECTED BRIDGE TYPE**

#### **EXTRADOSED BRIDGE**

(pronounced ex-TRA-dosed)

- Architectural term referring to the outer curve of an arch
- Supported and reinforced by cables emanating from towers



# PROPOSED WESTERN HILLS VIADUCT

- Located 50 feet 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)



# PROPOSED WESTERN HILLS VIADUCT



(Looking southwest)

# PROPOSED WESTERN HILLS VIADUCT



(Multi-use path, looking east)

#### 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 bridgetype study
- Obtain public input
- Complete detailed design
- Finalize Right-of-Way acquisition

#### **COMMUNITY OUTREACH**

#### **December 2020 – March 2021**

- All stakeholders
- South Fairmount Community Council
- CUF Neighborhood Association
- Mill Creek Alliance/Bicyclists
- Camp Washington Community Council
- Camp Washington Business Association
- East Price Hill Improvement Association
- West End Community Council

#### **SURVEY RESULTS**

#### **Favorable Feedback**

- Design and Aesthetics
- Shared Used Path and Sidewalk

### **More Information/Questions**

- Connections to Local Roads and I-75
- Property Acquisitions

# REPLACEMENT TIMELINE

	2020	2021	2022	2023	2024	2025	2026	2027	2028
Property Acquisitions									
Planning & Design									
Utility & Railroad Relocations									
Building Demolitions & Bridge Construction									

### **FUNDING MILESTONES**



#### **CONSTRUCTION FUNDING**

## **Recent Grant Applications**

- Infrastructure for Rebuilding America (INFRA)
  - \$137 million request to USDOT
- Transportation Review and Advisory Council (TRAC)
  - \$140 million request to ODOT

#### **CONSTRUCTION FUNDING**

# **Expected Grant Sources for Construction**

- U.S. Department of Transportation (USDOT) INFRA submitted on 3/19/21
- Ohio Department of Transportation (ODOT) TRAC submitted on 3/26/21
- Ohio-Kentucky-Indiana Regional Council of Governments (OKI)
- Southwest Ohio Regional Transit Authority (SORTA)
- Ohio Public Works Commission (OPWC)

### **COMMUNICATIONS**

#### **Project Website**



#### **Recording of Dec. 3 meeting**

https://www.youtube.com/channel/UCS rcR2FkmSnqy\_KkQKYUflA

#### **Project Video**

https://www.youtube.com/watch?v=-\_wJbtSJGTk



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.

# **Questions?**



