

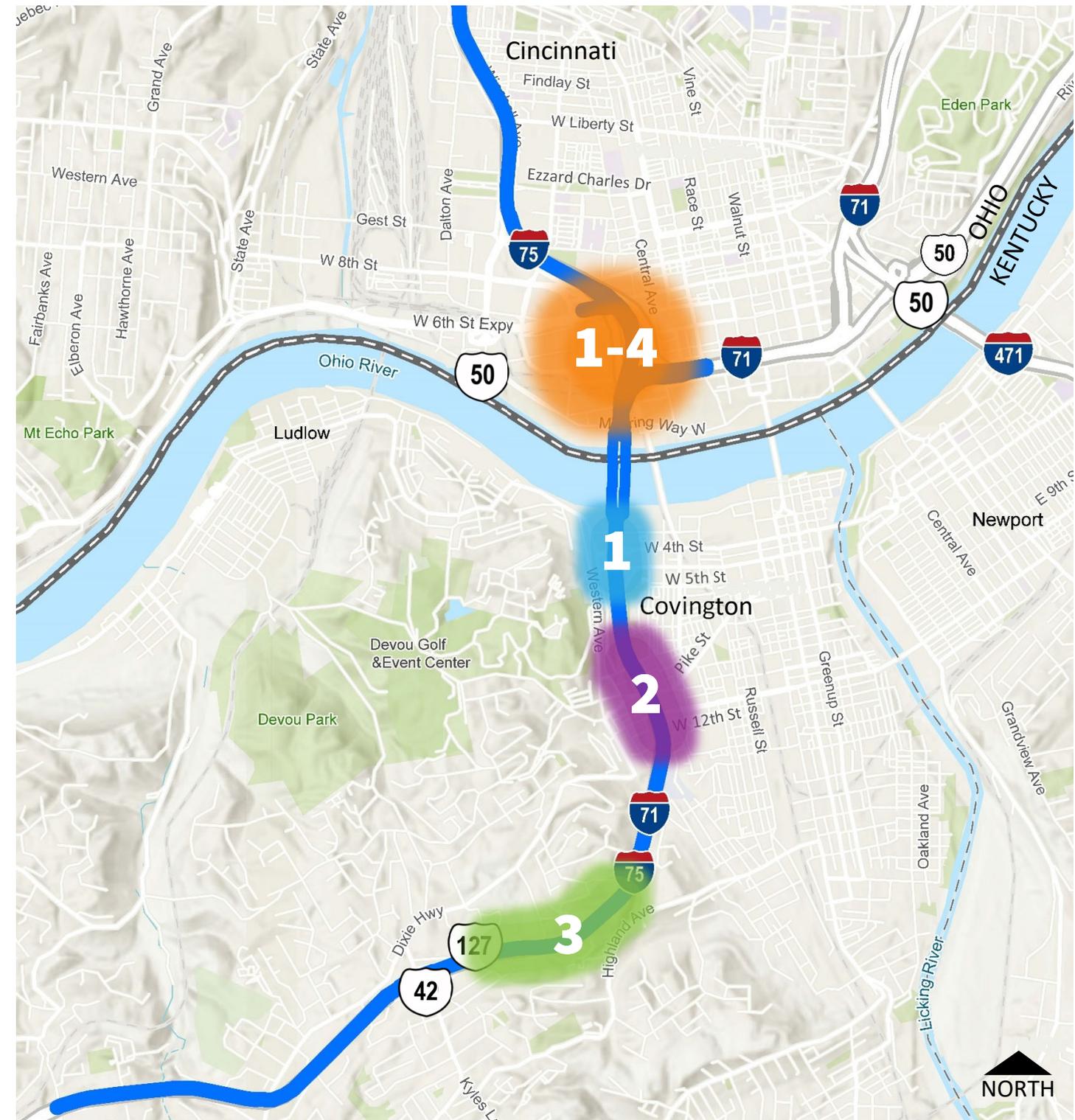
# Recommended Innovations

## Kentucky

- 1 Vertical profile optimization
- 2 Pike Street access optimization
- 3 Hillside cut alignment shift

## Ohio

- 1 Southbound roadway reconfiguration
- 2 Combination of 2nd and 3rd Street connections
- 3 US-50 roadway consolidation
- 4 Realization of street grid concept



# Kentucky Recommended Innovations

## 1 | Vertical Profile Optimization

- Reconfigure southbound collector-distributor road
- Adjust West 5th Street
- Create gateway at Crescent Avenue/West 3rd Street
- Lower mainline roadway by about 30 feet



Base Design



KY Innovation 1



# Kentucky Recommended Innovations

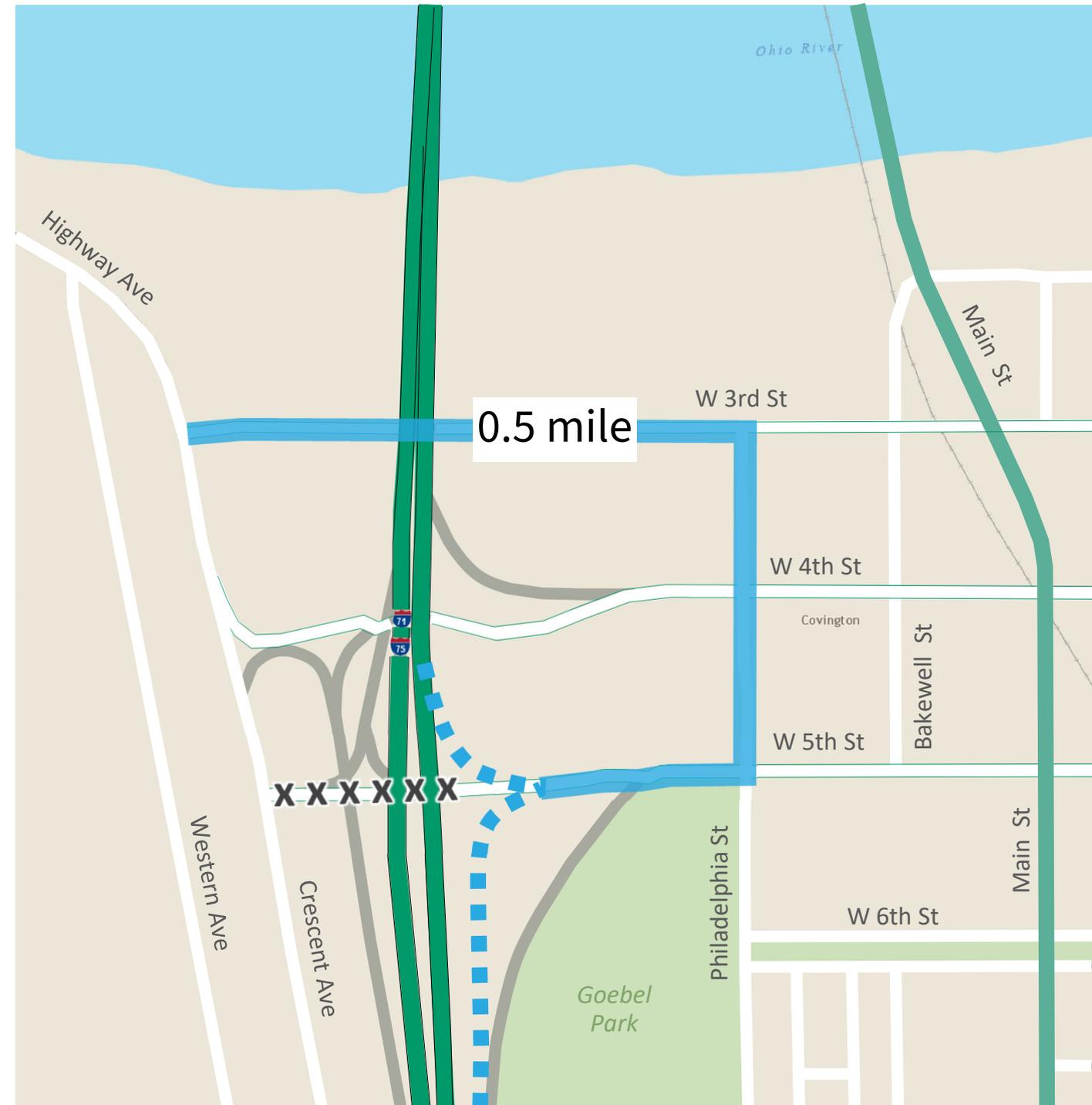
## 1 | Vertical Profile Optimization



# Kentucky Recommended Innovations

## 1 | Vertical Profile Optimization

- West 5th Street closed under I-71/I-75
- Traffic rerouted via Philadelphia and West 3rd Streets



# Kentucky Recommended Innovations

## 1 | Vertical Profile Optimization

- Improved viewshed east and west of interstate
- Enhanced West 3rd Street connectivity for all modes of travel
- Provide gateway opportunity and improved integration of West 5th Street traffic into Covington
- Reduced construction and long-term maintenance costs



Base Design



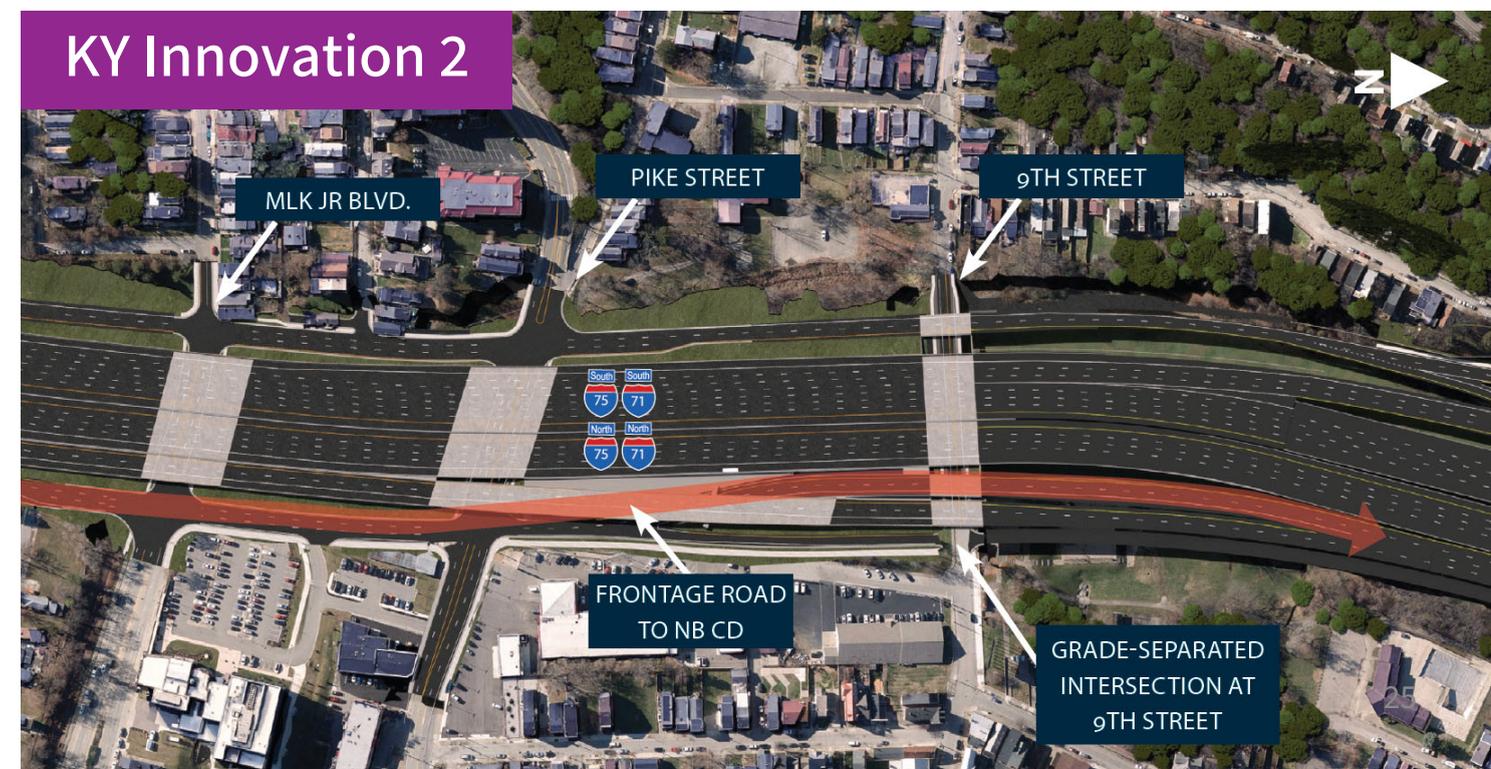
KY Innovation 1



# Kentucky Recommended Innovations

## 2 | Pike Street Access Optimization

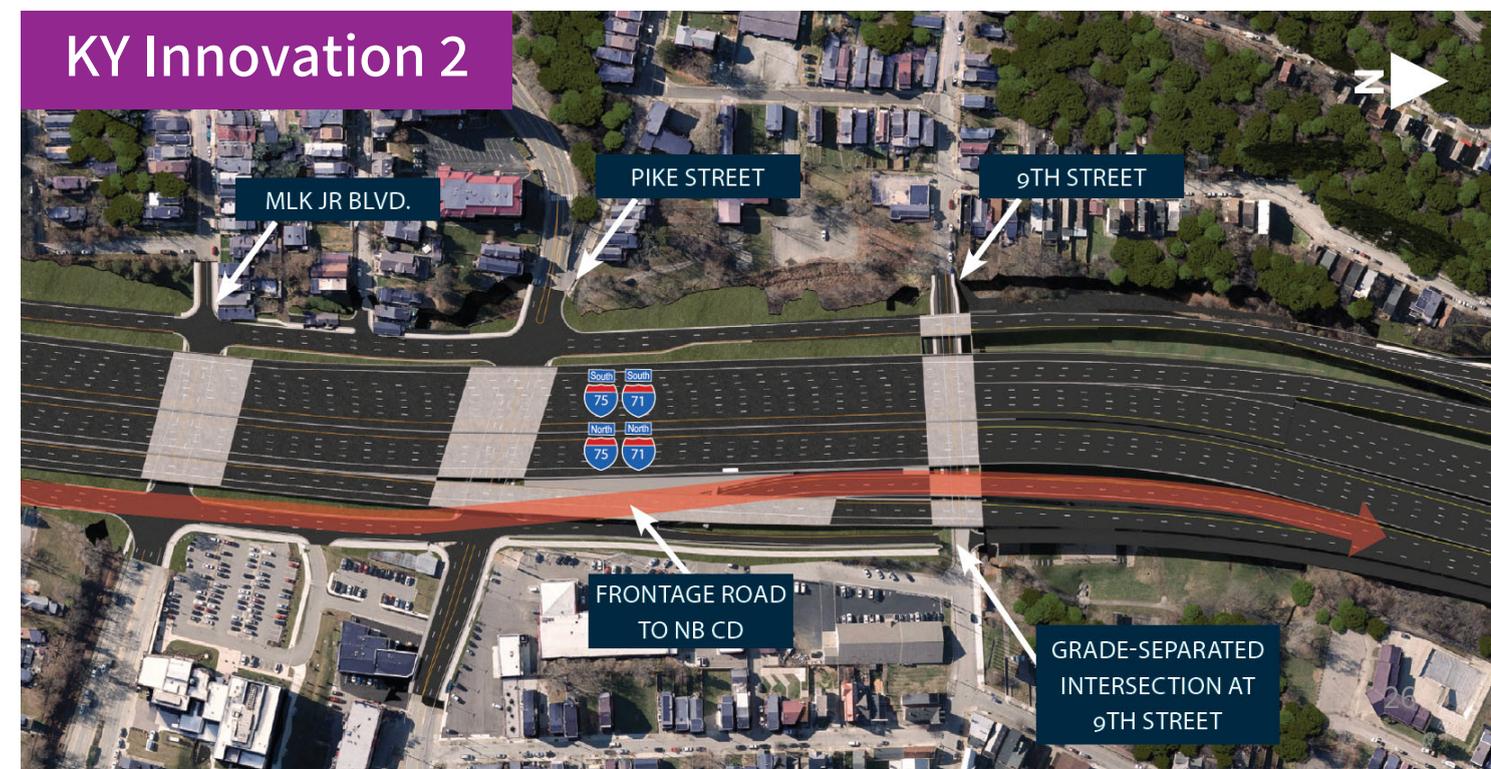
- Eliminates direct interstate access at West 9th Street
- Maintains existing interstate access at Pike Street
- Maintains frontage road concept



# Kentucky Recommended Innovations

## 2 | Pike Street Access Optimization

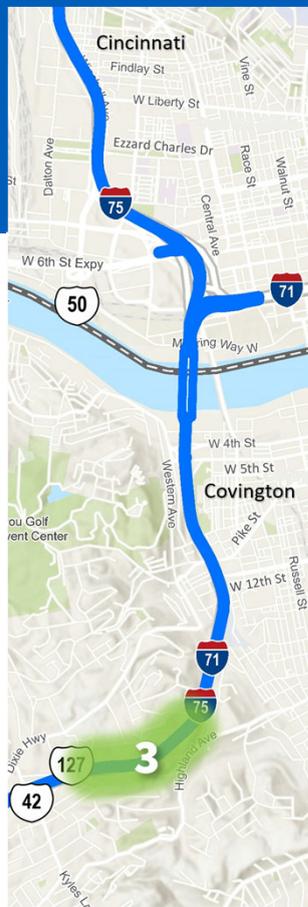
- Maintains residential character of West 9th Street
- Eliminates traffic signals on West 9th Street
- Minimizes physical and visual impacts to the Goebel Park Complex



# Kentucky Recommended Innovations

## 3 | Hillside Cut Alignment Shift

- Shifts I-71/I-75 east
- Avoids significant rock cut and retaining wall construction
  - o No rock cut or tiered wall west of I-71/I-75
  - o 94,000 square foot reduction in retaining walls



Base Design



KY Innovation 3



# Kentucky Recommended Innovations

## 3 | Hillside Cut Alignment Shift

- Substantially reduces costs
- Saves construction time

