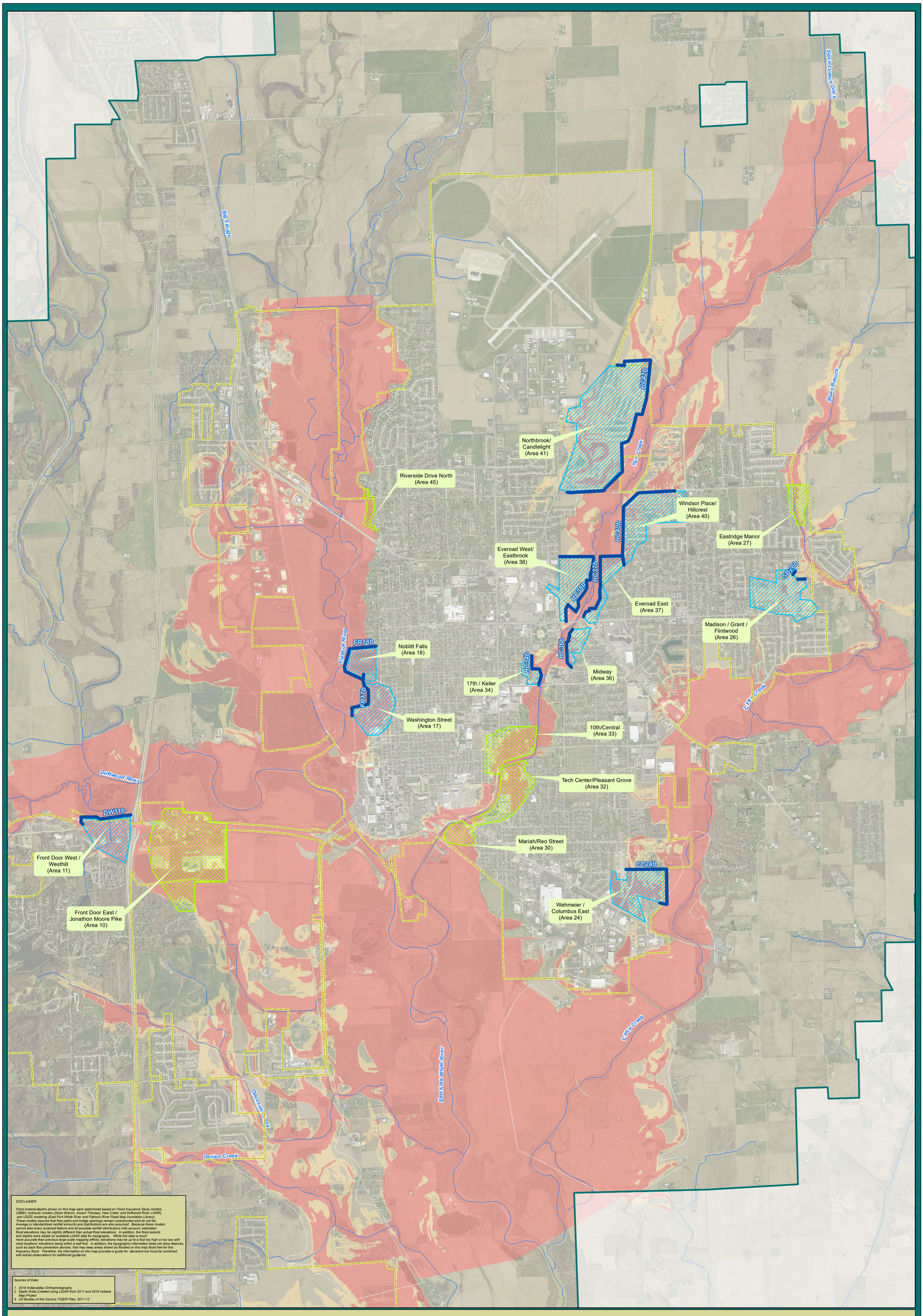

DISCLAIMER

Flood extents/depths shown on this map were determined based on Flood Insurance Study models, CBBEL hydraulic models (Sloan Branch, Airport Tributary, Haw Creek, and Driftwood River LOMR), and USGS modeling (East Fork White River and Flatrock River Flood Map Inundation Library). These models assume that flow paths and bridge openings remain unobstructed and do not fail. Average or standardized rainfall amounts and distributions are also assumed. Because these models cannot take every localized feature and all possible rainfall distributions iinto account, estimated flood elevations may be slightly different than actual flood elevations. In addition, the flood extents and depths were based on available LiDAR data for topography. While this data is much more accurate than previous large scale mapping efforts, elevations may be up to a foot too high or too low with most locations' elevations being within a half foot. In addition, the topographic information does not show features, such as back flow prevention devices, that may keep areas shown as flooded on this map flood free for this frequency flood. Therefore, the information on this map provides a guide for decisions but must be combined with actual observations for additional guidance.

Sources of Data:

1. *2016 IndianaMap Orthophotography*
2. *Depth Grids Created using LiDAR from 2011 and 2016 Indiana Map Project*
3. *US Bureau of the Census TIGER Files, 2011-12*

Proposed Levee

Area Protected by Levee (Potential Floodproofing/Buyout area, if levee alternative is found infeasible)

Area Identified for Potential Floodproofing/Buyout

Structures within this area are candidates for floodproofing if no other mitigation solutions are implemented

Within this area, residential structures are candidates for voluntary buyouts and commercial structures are candidates for floodproofing if no other mitigation solutions are implemented.

Note:
Flood Depths shown in the areas outlined in white are based on the larger of the flooding sources. The actual depth of flooding will depend on the degree of coincidence of the flooding sources.

Most Promising Mitigation Projects

0 1,000 2,000 4,000
Feet

N

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PROJECT: City of Columbus Flood Risk Management Plan		PROJECT NO. 19-0132	APPROX. SCALE as shown
			DATE: 11/2020
TITLE: Most Promising Mitigation Projects			EXHIBIT 41