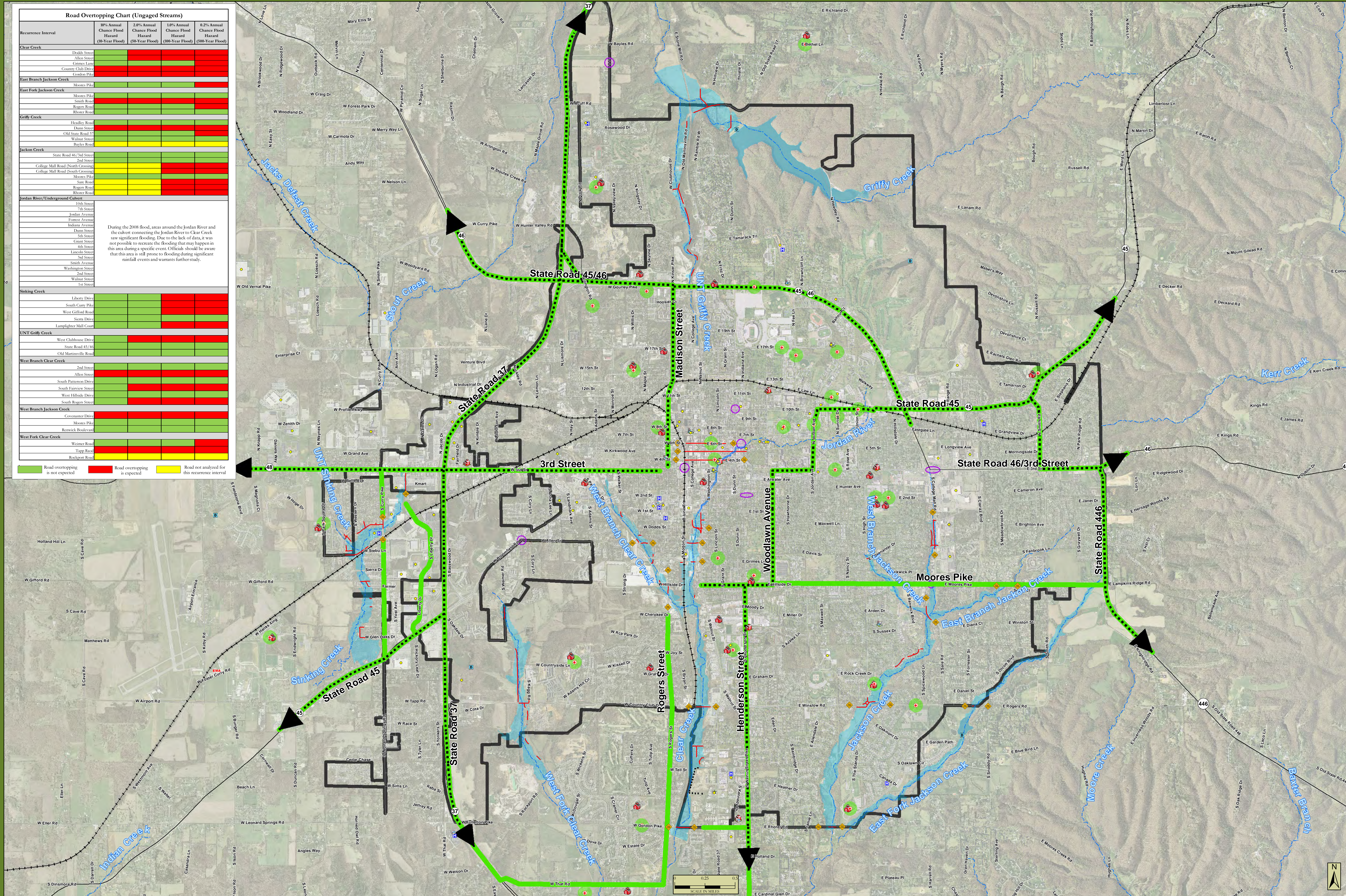


Road Overtopping Chart (Ungaged Streams)				
Recurrence Interval	10% Annual Chance Flood Hazard (10-Year Flood)	2.0% Annual Chance Flood Hazard (50-Year Flood)	1.0% Annual Chance Flood Hazard (100-Year Flood)	0.2% Annual Chance Flood Hazard (500-Year Flood)
Clear Creek				
Dodds Street				
Allen Street				
Grimes Lane				
Country Club Drive				
Gordon Pike				
East Branch Jackson Creek				
Moore's Pike				
East Fork Jackson Creek				
Moore's Pike				
Smith Road				
Rogers Road				
Rhorer Road				
Griffy Creek				
Headley Road				
Dunn Street				
Old State Road 37				
Walnut Street				
Buyles Road				
Jackson Creek				
State Road 46/3rd Street				
2nd Street				
College Mall Road (North Crossing)				
College Mall Road (South Crossing)				
Moore's Pike				
State Road				
Rogers Road				
Rhorer Road				
Jordan River/Underground Culvert				
10th Street				
7th Street				
Lordan Avenue				
Humana Avenue				
Indiana Avenue				
Dunn Street				
5th Street				
Grant Street				
4th Street				
Lincoln Street				
3rd Street				
Smith Avenue				
Washington Street				
2nd Street				
Walnut Street				
1st Street				
Sinking Creek				
Liberty Drive				
Smith Curry Pike				
West Gifford Road				
Sierra Drive				
Lamplighter Mall Court				
UNT Griffy Creek				
West Clubhouse Drive				
State Road 45/46				
Old Martinsville Road				
West Branch Clear Creek				
2nd Street				
Allen Street				
South Patterson Drive				
South Fairview Street				
West Hillside Drive				
South Rogers Street				
West Branch Jackson Creek				
Governator Drive				
Moore's Pike				
Renwick Boulevard				
West Fork Clear Creek				
Werner Road				
Tapp Road				
Ruckert Road				

During the 2008 flood, areas around the Jordan River and the culvert connecting the Jordan River to Clear Creek saw significant flooding. Due to the lack of data, it was not possible to recreate the flooding that may happen in this area during a specific event. Officials should be aware that this area is still prone to flooding during significant rainfall events and warrants further study.

— Road overtopping is not expected
 — Road overtopping is expected
 — Road not analyzed for this recurrence interval



Disclaimer:
Flood extent depths shown on this map were determined based on Flood Insurance Study and Letter of Map Revision (LOMR) models approved by the Federal Emergency Management Agency (FEMA). 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 into account, estimated flood elevations may be slightly different than actual flood elevations. In addition, the flood extent and depths were based on available LOMR data for the area. While the 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 levee flow prevention devices, that may keep areas down or flooded on the map flood free for the frequency flood.

Therefore, the information on this map provides a guide for flood fight decisions but must be combined with actual observations for additional guidance.

Additional flood impacts may occur in areas that were not analyzed as part of this Plan.

Sources of Data:

- US Census Bureau TIGER files, 2016
- National Hydrography Dataset, 2016
- Critical Facility Database (CFDB), 2016
- Digital Flood Insurance Rate Map (DFIRM), 12/17/2010
- INDR/The Public Center, 2015 (Non-Levee Embankments)
- Indiana State Orthophotography, IndianaMay 2011-2012
- Meetings with City of Bloomington, 2017

Potential Red Cross Shelter Site Status*

- **Flood Safe**
- **Questionable**
- **Compromised**

* The design shelter sites for each specific flood shall be determined by the Red Cross and may vary based on the needs created by that event.

Localized (Urban) Flooding

This symbol depicts areas where flooding often occurs during rainfall events; these areas were included based on comments made by the local FRP planning committee. The high water in these areas is likely due to localized (urban) flooding, and were not analyzed in this study.

Flood-safe Routes
Bloomington, Indiana

- 0.2% Annual Chance Flood Hazard
- Roads Overtopped During the 0.2% ACFH
- Flood-safe Routes
- High Water/Road Closed Signs
- Non-Levee Embankment
- Jordan River Culvert
- City of Bloomington
- + Shelters Red Cross
- + Emergency Management Agency
- + Emergency Medical Services
- + Fire Station
- + Hospital/Medical Facility
- + Military Installation
- + Police Station
- D Dams
- S School
- B Business with 100 or more Employees

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P.O. Box 156 South
115 West Washington Street
Bloomington, Indiana 47404
(317) 266-9000 (317) 632-3306

PROJECT: Flood Response Plan
CITY: City of Bloomington, Indiana
TITLE: Flood-safe Routes During a 0.2% Annual Chance Flood Hazard Event (500-year Flood)

PROJECT NO.: 15-0614
DATE: 11/2017
EXHIBIT: 5

APPROVAL: [Signature]
SCALE: as shown