

January 22, 2025

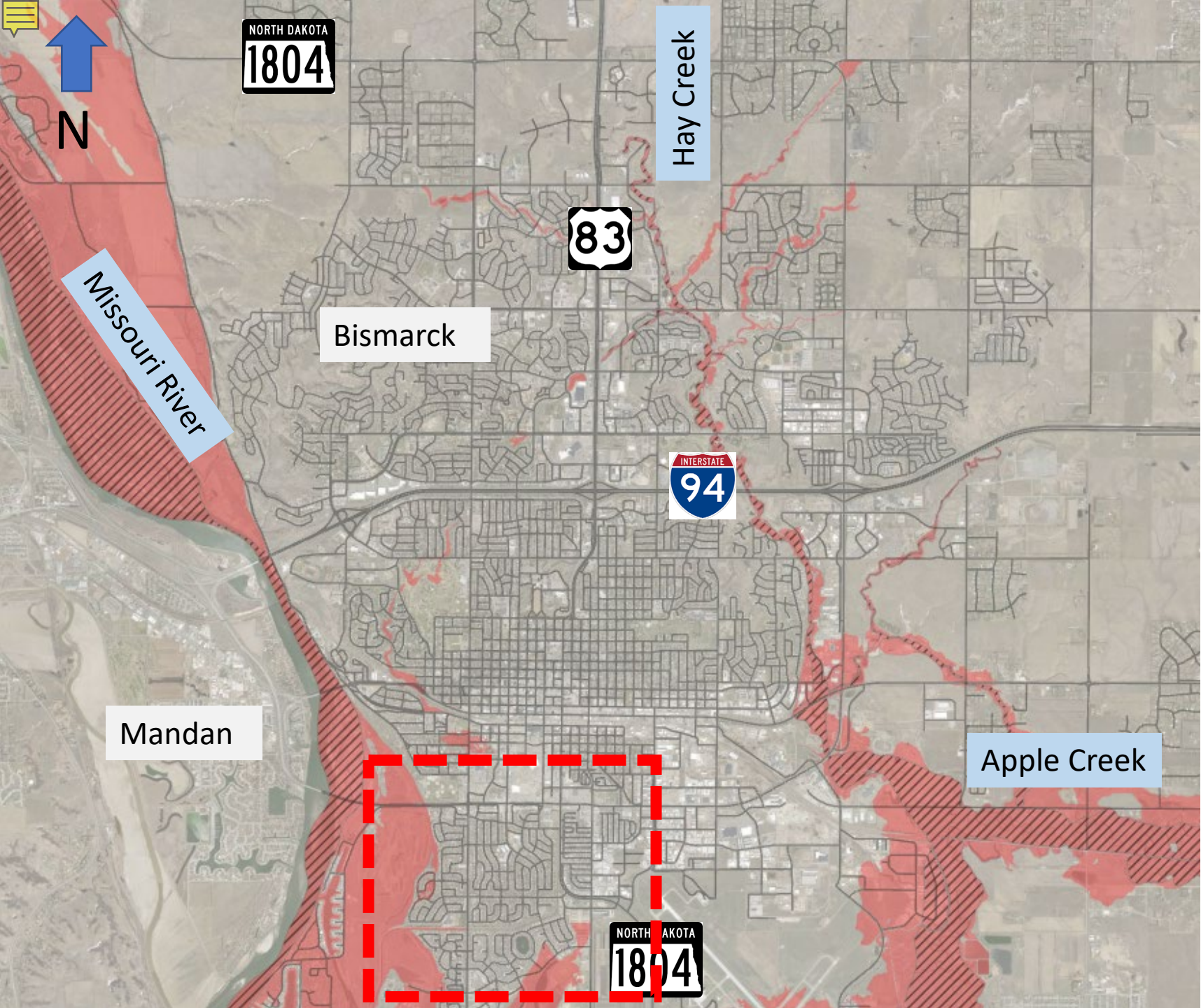


South Bismarck Flood Control Project House Appropriations, Education & Environment Division HB 1020 Testimony



Outline

- FEMA Risk Map Update and Impacts
- City of Bismarck Response
- Proposed Alternative
- Project Partners
- Funding and Timeline



 2013 Effective Floodplain



Bismarck Expy

Kirkwood Mall



University Dr

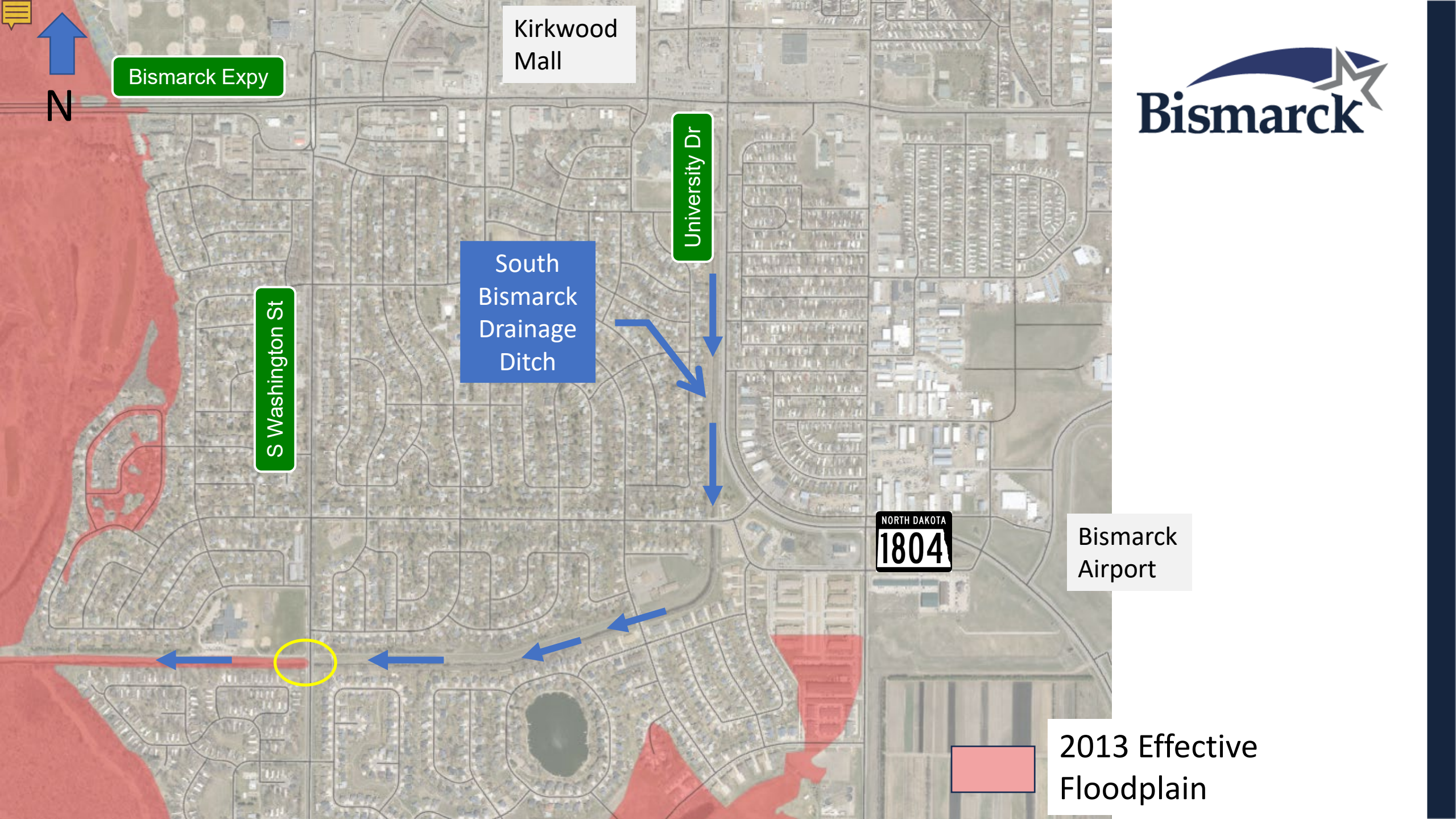
South Bismarck Drainage Ditch

S Washington St

NORTH DAKOTA 1804

Bismarck Airport

2013 Effective Floodplain





S Washington St Closure Structure



View Looking West



View Looking East



S Washington St Closure Structure



2011 Flood Response



Bismarck Expy

Kirkwood Mall



University Dr

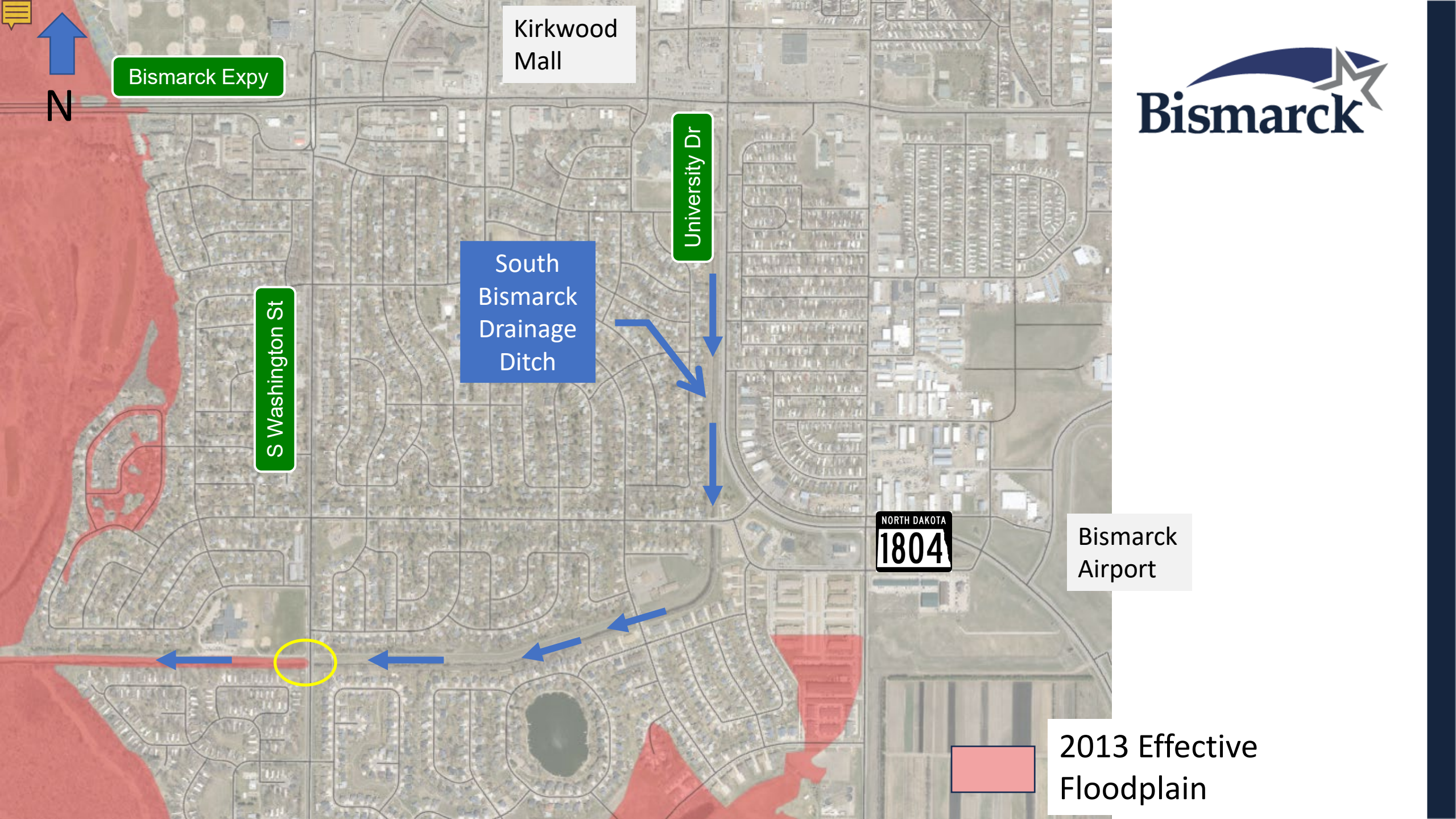
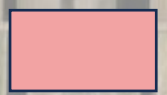
South Bismarck Drainage Ditch

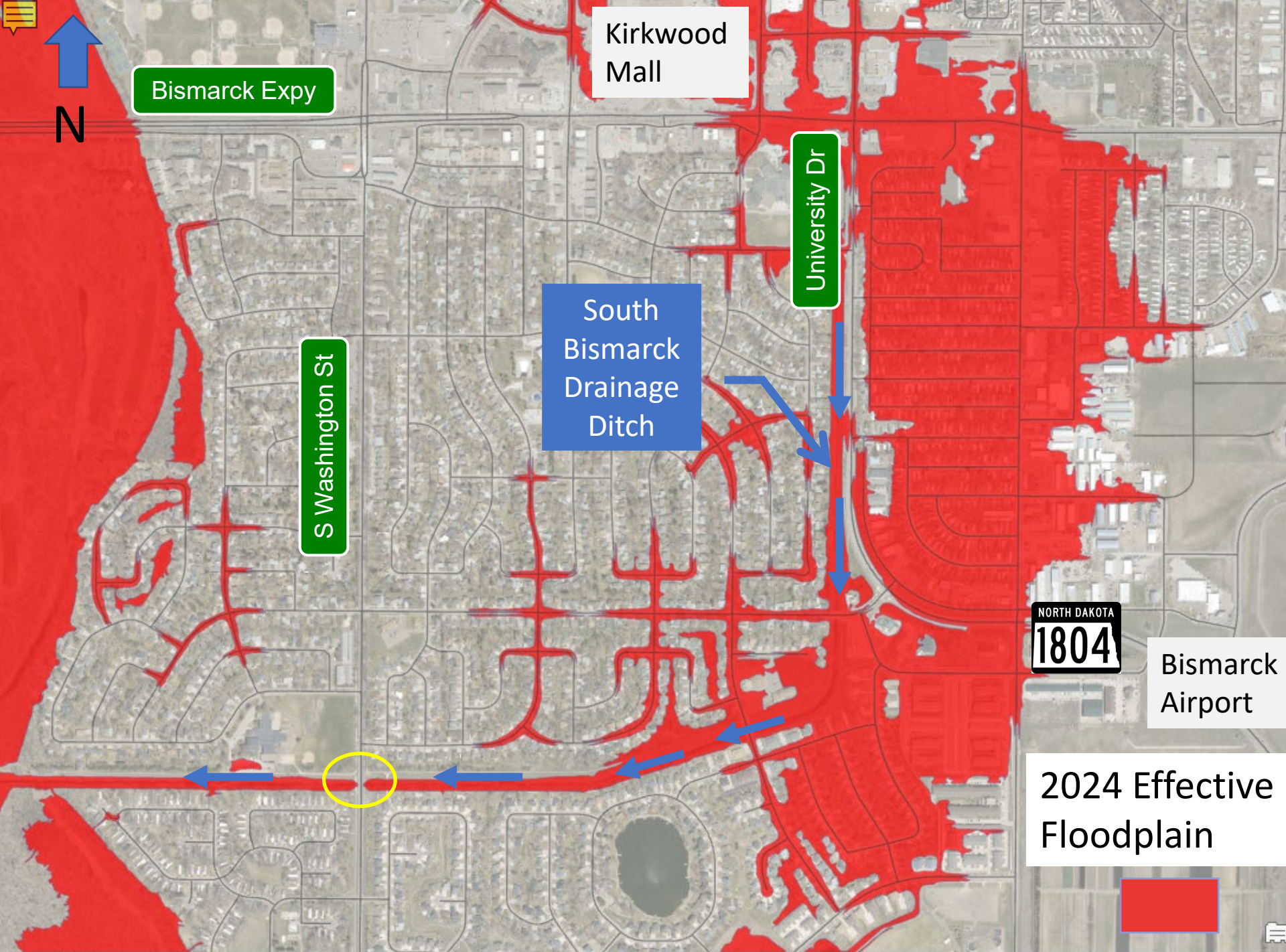
S Washington St

NORTH DAKOTA
1804

Bismarck Airport

2013 Effective Floodplain

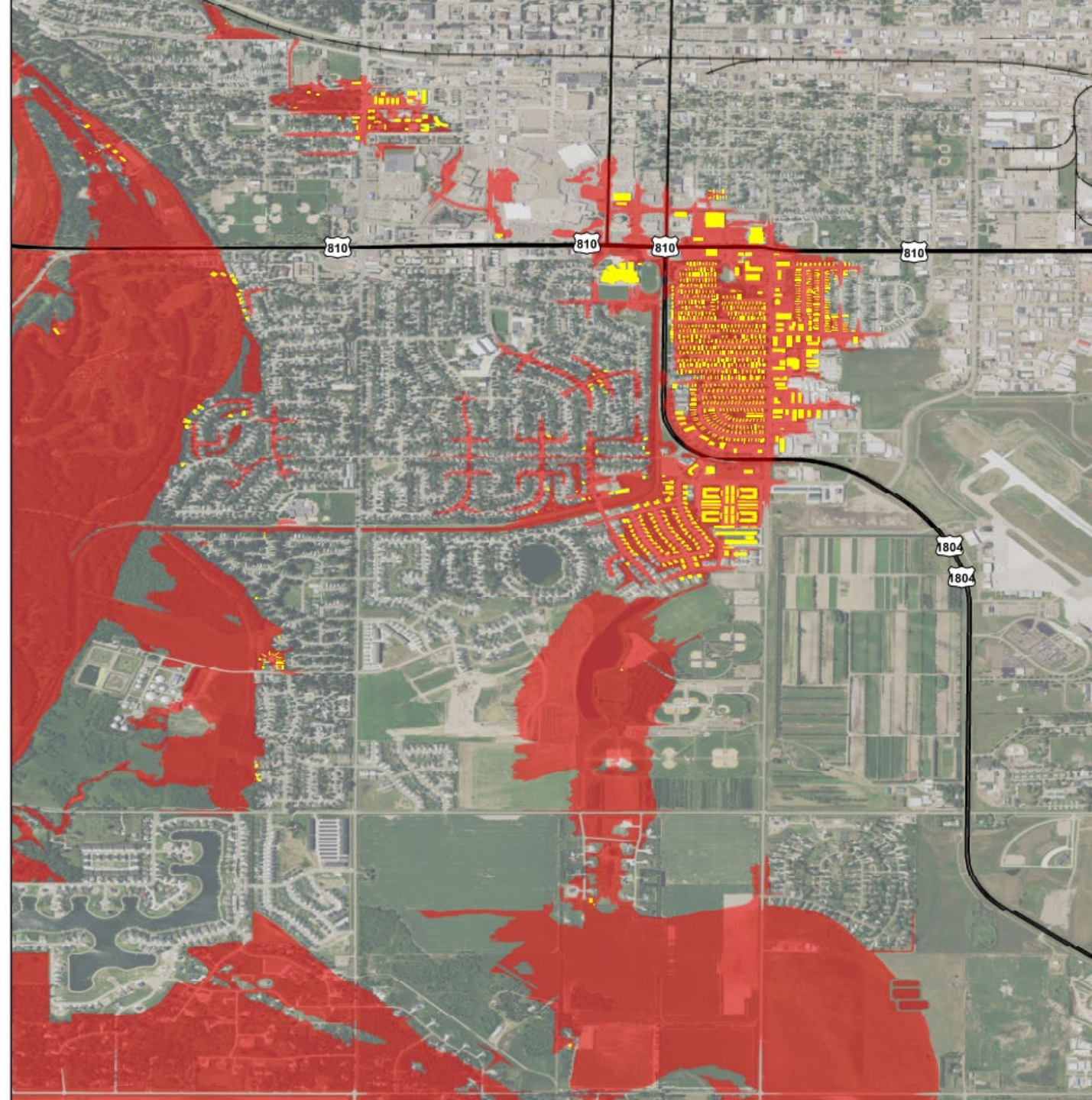




2024 Effective Floodplain

Approximately 950 structures in South Bismarck are at risk of Flooding

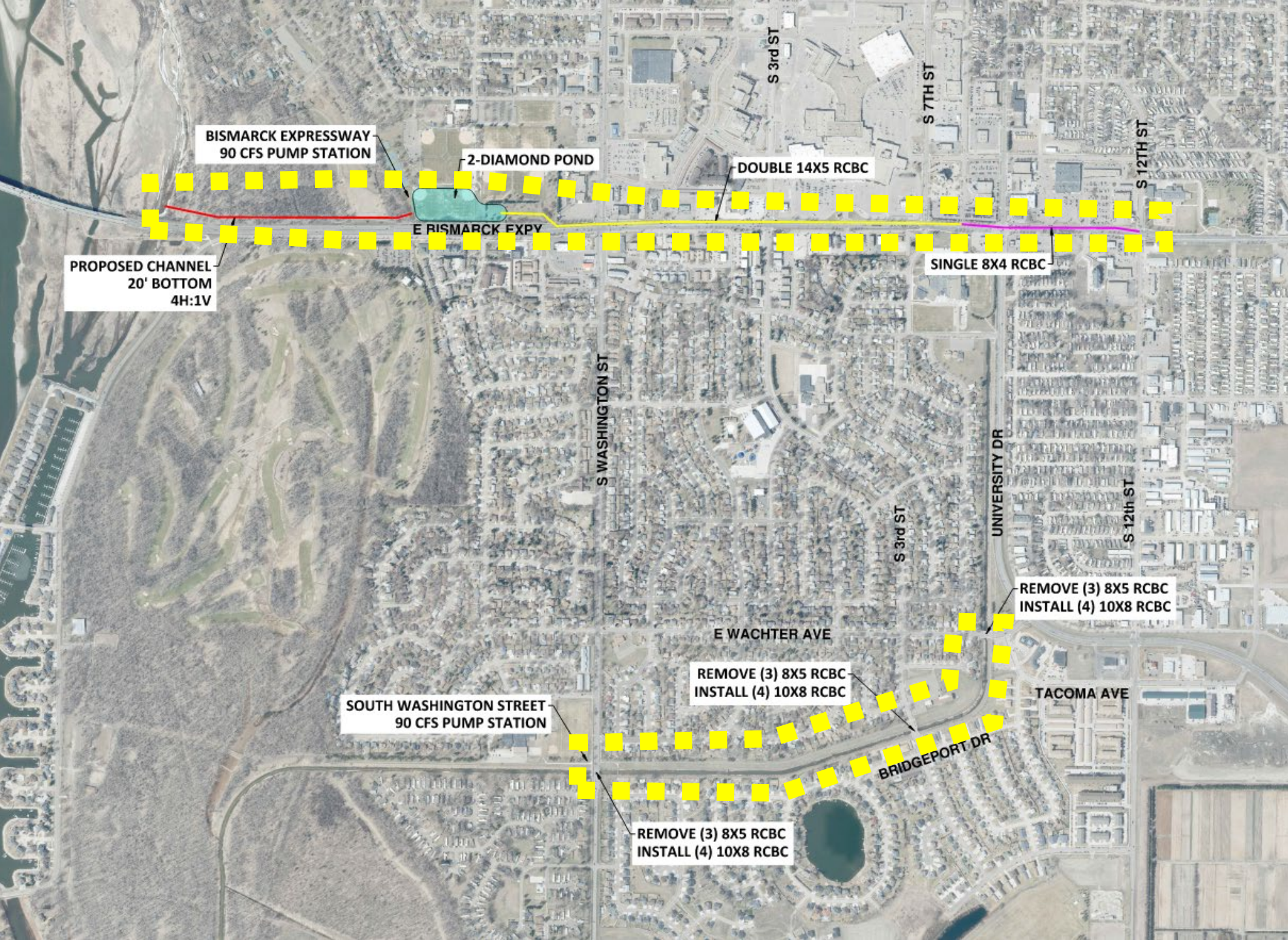
- Schools
- Underserved Disadvantaged Communities
- Medical Facilities
- Businesses
- Critical Transportation, Electrical, Water and Waste-Water Infrastructure



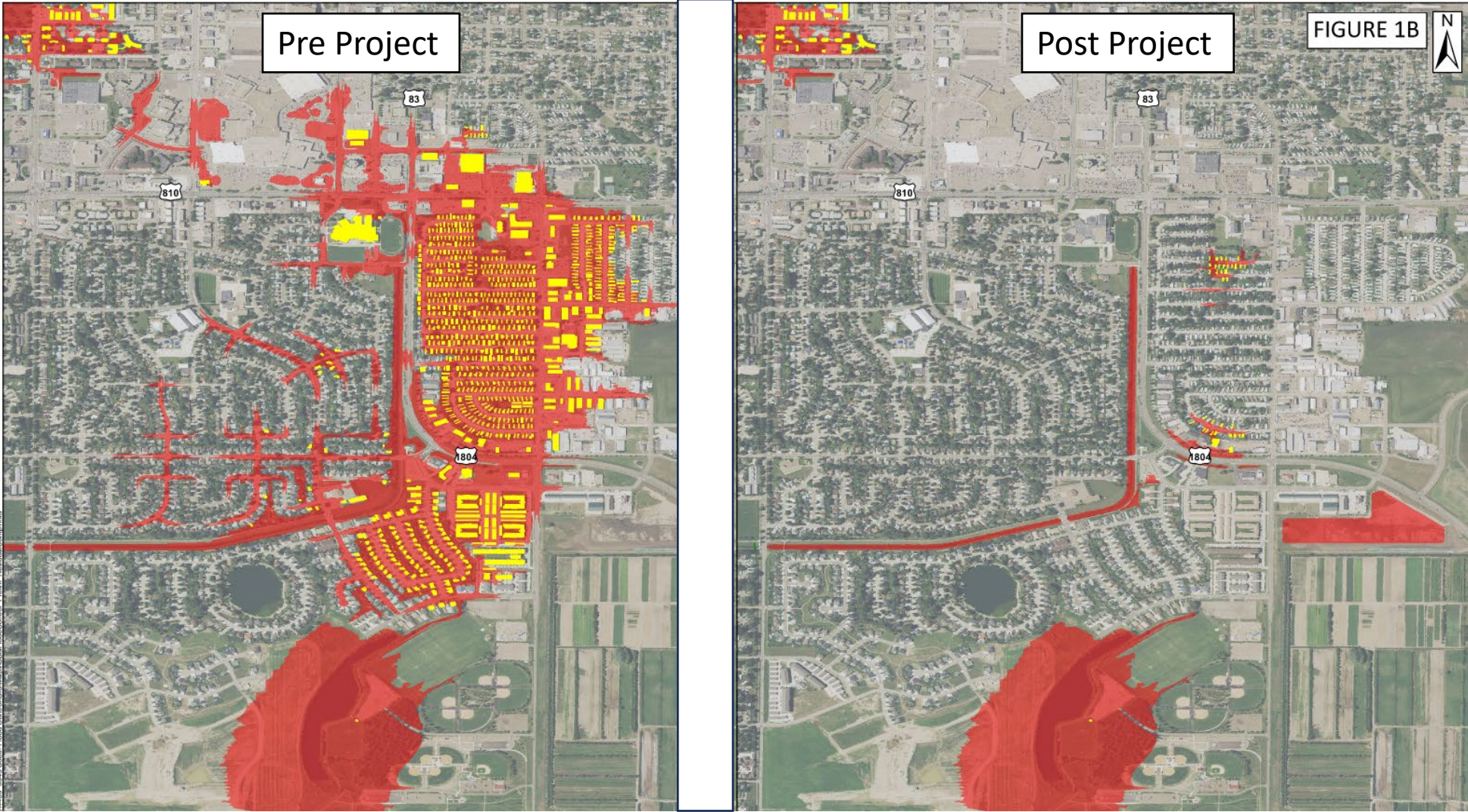


City of Bismarck Response

- **Goals**
 - Mitigate flood risk
 - Achieve FEMA accredited flood protection
 - Remove buildings from 100-year floodplain
- **Alternative Screening Criteria**
 - Certify S Washington structure
 - Minimize impacts to private/public property
 - Negligible downstream stage increase



Flood Risk Reduction



Project Partners

- **FEMA**

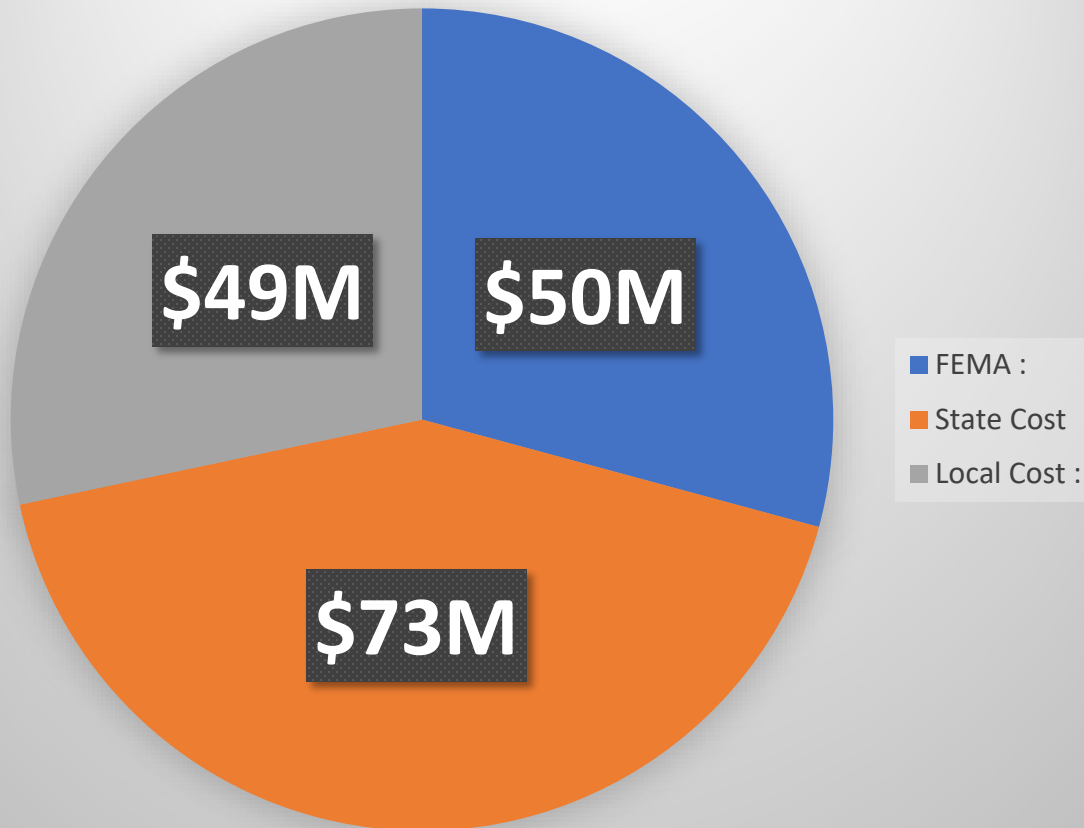
- Flood Mitigation Assistance (FMA)
\$50 million grant (capped)
- Achieve FEMA Accredited Flood Protection
- Reduce Flood Insurance Premiums
- Maintain a Benefit-Cost Ratio of > 1.0
- \$278M Benefit (\$113M Physical + \$165M Social)
- Timeline - 3 years to complete
- ND Department of Emergency Services pass through

- **State Water Commission**

- Phase 1 Pre-Construction cost share
- 60% cost share of non-federal costs
- \$2,369,000 for design and pre-construction activities

Funding & Timeline

Proposed Funding – \$172M



- FY24 FEMA Award
 - Spend down by FY27
- Final Design 2025 and 2026
- Fall 2026 bid and award
- Anticipated Construction 2027 & 2028 & 2029

www.bismarcknd.gov/floodresources



South Bismarck Flood Control Project



South Bismarck Flood Control Project

City of Bismarck Engineering Dept
December 10, 2024

Thank you



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