

FM AREA DIVERSION PROJECT **PROJECT IMPROVEMENTS**

The Federal Project has been optimized to reduce impacts to land, people and the environment.

ALIGNMENT WAS SHIFTED FROM MN TO ND

- MN diversion had downstream impacts extending to Canada
- Approximately 4,500 structures impacted downstream
- MN Diversion footprint impacted 6,500 acres in MN
- Minnesota officials stated a diversion channel on the Minnesota side would not be supported
- A diversion channel on the North Dakota side of the river provides protection from tributaries (Sheyenne, Maple, Rush and Lower Rush rivers)

DOWNSTREAM IMPACTS WERE MITIGATED WITH UPSTREAM STAGING

- Downstream impacts in excess of 2 feet and extended to Canada
- Upstream staging was added to ND diversion to mitigate
- Downstream impacts virtually eliminated
- Impacts confined to a defined, mitigatable area

MINIMIZED UPSTREAM IMPACTS

- Moved alignment north, added gates to the Inlet Structure and built in-town levees and floodwalls to allow more flow through town
- Reduced the frequency (from 3-5 years to 10 years) and duration of project operation
- Reduced environmental impacts of project
- Reduced impacts to structures from 4,500 to approximately 800 (126 residential)

100-YEAR FLOOD WITHOUT PROJECT



100-YEAR FLOOD WITH PROJECT



AT A GLANCE

- reduced impacts 80%
- b more 16K structures benefited
 than 16K by project

b more than
50K net acres benefited
by the project

This is the optimized federal project that provides 100-year certifiable flood risk management

