



MOUSE
RIVER
PLAN

Mouse River Plan PROGRESS was developed by the Souris River Joint Board and its' partners to keep project stakeholders, constituents, and the region updated on the progress of the Mouse River Enhanced Flood Protection Project (MREFPP). The MREFPP is a basin-wide endeavor focusing on flood risk reduction along the Mouse River. The estimated \$1 billion project was initiated following the devastating 2011 flood and is anticipated to be completed in 20 years.

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PROGRESS



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ACTIVE PROJECT PH

PHASE MI-1 CONSTRUCTION UPDATE

SUCCESSFUL TESTING OF THE BROADWAY PUMP STATION

It's been an eventful spring construction season for crews working on Phase MI-1 4th Avenue. Pump testing, concrete sidewalks and curbing, fence installation, and landscaping have kept crews busy during the fourth season of construction for this phase of the Mouse River Enhanced Flood Protection Plan (MREFPP).

One major milestone for the MREFPP was the successful testing of the Broadway Pump Station, a stormwater pump station at Broadway and Fourth Avenue NW. In June, successful tests of all seven pumps (4-40,000+ gpm and 3-7,000 gpm) were completed, with crews monitoring all operations of the equipment and the station. This station is the largest municipal pump station in North Dakota and can pump 180,000+ gallons of water per minute which would drain an Olympic-sized swimming pool in under five minutes.

“The successful testing at the Broadway Pump Station is a major milestone in our flood protection work,” said Dan Jonasson, Minot Public Works Director and member of the Souris River Joint Board. “Testing these pumps takes an extraordinary amount of coordination and planning. All tests have been successful, and we are looking forward to finishing this portion of MI-1 4th Avenue this construction season.”

Crews placed new sidewalks on the east side of Broadway to allow for safer access to pedestrians and easier maintenance of sidewalks for the businesses along 4th Avenue NW. Landscaping work on the north side of the floodwall continues and will be completed this summer. Privacy fences were installed for homeowners along 4th Avenue NW this spring as well.

A portion of the Mouse River Enhanced Flood Protection Plan, Phase MI-1 4th Avenue, includes over 2,250 feet of floodwalls located between just west of Broadway and just west of Third Street NE. The project also includes earthen levees on both sides of where the Broadway Bridge connects on the north side of the river and two removable closure structures in the flood wall.

The Souris River Joint Board initiated the Mouse River Enhanced Flood Protection Project in 2011 to provide future flood protection for urban and rural residents throughout the Mouse River Basin in North Dakota. The project has now progressed several phases through design and into construction.

Construction on this phase is expected to be completed in late 2021 or early 2022.



PHASES THROUGHOUT THE CITY OF MINOT

PHASE MI-5 CONSTRUCTION UPDATE

MAPLE DIVERSION SOUTH UTILITY RELOCATIONS

The Phase MI-5 Northeast Tieback Levee is close to a 100% completed design. The next steps in this phase will be to schedule neighborhood meetings and outreach before construction starts. Property owner meetings continue this summer.

This alignment will require the acquisition of several properties for the Phase MI-5 NE Tieback Levee. Acquisition of these properties is underway and being handled by the Souris River Joint Board and CDM Smith under the City NDR program. The Souris River Joint Board is working to acquire the properties east of 13th Street NE, outside of the city limits, while the NDR/CDM Smith team works with the city to acquire the properties west of 13th Street NE using National Disaster Relief funds. This phase will start on the east end of the Phase MI-1 Fourth Avenue project by 3rd Street NE and continue to the east and north, tying into high ground to the east of 13th Street NE. Major features of Phase MI-5 include earthen levees, arterial road relocation, major utility relocations of water and sanitary and storm sewer lines, a dry stormwater detention pond, floodwalls, a city greenway feature which includes trails, a stormwater pump station and relocation of the Railway water booster station to move it to the protected side of the flood protection.

Construction on the pump station included in this project is scheduled to kick off this fall. Care will be taken in the design of this structure to match and enhance neighborhood aesthetics. The Phase MI-5 Northeast Tieback Levee is a key north-side of the Mouse River phase of the Mouse River Enhanced Flood Protection Project. When completed and connected to the first four phases, it will help remove approximately 60 percent of Minot residents from the proposed FEMA floodplain and provide long-term flood protection.

PHASE MI-4 CONSTRUCTION UPDATE

MAPLE DIVERSION SOUTH UTILITY RELOCATIONS

Phase MI-4A Utility relocation in front of the larger MI-4 Maple Diversion project has entered year two of construction. A portion of Western Avenue SW and 2nd Ave SW is currently closed to traffic for curb and gutter work, new asphalt pavement installation, new underground watermain pipe, as well as, the installation of a new sanitary sewer lift station and associated underground piping. The railway crossing connecting Burdick Expressway to 4th Avenue SW has opened with new permanent barriers completed to comply with quiet zone requirements.

A detour is currently in place for work being done between City Hall and the Minot Public Library. City Hall remains accessible off 6th Street SW, while Minot Public Library is accessible from the east along 1st Avenue SW. Although some roadways are open and detours are in place, the public is encouraged to use caution while traveling in these areas.

The work in the area is part of Phase MI-4A of the Mouse River Enhanced Flood Protection Project (MREFP), which started construction at the end of August 2020. The purpose of MI-4A (Maple Diversion South Utility Relocations) is to relocate municipal utilities in advance of the flood protection features proposed as part of the Phase MI-4A Maple Diversion Project.

Construction on this phase is scheduled to be fully completed in 2022.



PHASE MI-2 & MI-3 CONSTRUCTION UPDATE NAPA VALLEY/FOREST ROAD



Congratulations!

Construction has been completed on Phases M1-2 and MI-3. The Souris River Joint Board, along with project partners, officials and dignitaries capstoned the completion of these extensive phases with a Minot Area Chamber EDC ribbon cutting on Saturday, June 26th, 2021.



In addition, Jack Hoeven Wee Links Golf Course fully opened in May. A dedication and re-opening ceremony was held May 22nd, 2021.

PROGRESS IN BURLINGTON, ND

Phase BU-1C, the third construction contract in Burlington for the Mouse River Enhanced Flood Protection Project began in May. BU-1C will construct earthen levees from Colton Avenue north through the Burlington Recreation Complex. Along with earthen levees, a slurry cutoff wall will be installed as a means to control groundwater seepage beneath the levee.

Bluestone Construction has been working on preparing the site for levee construction by performing clearing and grubbing, levee removal, overbank excavation, and exploration trench. Placement of levee fill began in mid-June, construction of the working pad for the slurry cut off, which also serves as the base of the levee is underway.

Other key features that will be constructed as part of BU-1C includes the realignment of the roadway around the rec complex, a new parking lot on the north side of the rec complex, relocation of the City's raw water line, storm sewer to aid drainage on the interior of the levee system, and placement of rip rap along the wet side of the levee. Build out of the bathroom at the splash pad as a replacement for the bathrooms that were demolished during BU-1B will also be completed during this phase.

A majority of the earthwork is scheduled to be completed during the 2021 construction season. Site restoration, furnishings, and the asphalt path atop the levee are scheduled to be completed in 2022.

Phase BU-1B for the Mouse River Enhanced Flood Protection Project continues to make progress through the 2021 construction season. With the completion of the slurry cutoff wall in fall of 2020, the remaining earthwork for the new levee system has resumed. Levee construction is anticipated to be completed by the end of July. Site restoration such as topsoil placement and seeding will be completed following levee construction. The asphalt pathway atop the levee, the newly realigned Cherry Street and various asphalt repair locations are all schedule to be completed by mid-August.

Construction of utilities is wrapping up with the final two sections of storm sewer on Grace Street and Willow Street to be completed in July. All other utilities including water line relocations, sanitary sewer forcemain relocations, new storm sewer and new storm sewer forcemains has been completed and are operational.

The initial startup of the Kittelson Pump Station was completed in June. The storm water pump station is responsible for removal of storm water from the existing dead loops situated throughout the city. The pump station will also help control ground water levels now that the slurry cut off wall is complete and a pathway for groundwater seepage to the river is has been obstructed.

Construction of Phase BU-1B is schedule to be fully completed by the close of the 2021 construction season.