



MOUSE RIVER PLAN

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PROGRESS

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.



THIS PUBLICATION IS A MONTHLY UPDATE PROVIDED BY THE SOURIS RIVER JOINT BOARD



PHASE MI-1 CONSTRUCTION UPDATE 4TH AVE/PUMP STATION

The past month of work on Phase MI-1 Fourth Avenue flood protection has included concrete placement for the Broadway Pump Station and storm water box culverts that connect to the pump station, as well as underground utility work along Fourth Avenue east of Broadway. Park Construction's subcontractor, Lunda Construction, is handling the majority of the concrete work on this project, including the 180,000 gallon per minute pump station. Many below ground structures are needed to properly channel storm water into the massive pump station – the footings are in place for most of these already, with walls being formed and poured next. Contractors anticipate working on the pump station through some of the winter months and well into 2019.

Contractors along the main project corridor of Fourth Avenue, east of Broadway, are well into the underground utility replacement. This includes removing the abandoned Sunde raw water supply pipe as well as placing new waterpipe, sanitary sewer pipe, and storm water inlets and pipes in the majority of the roughly eight-block corridor. New water pipe has been installed to serve Sammy's Pizza, with new lines almost complete for McKinley Elementary School. Residential impact due to placing new water lines is anticipated to be minimal. The contractor does anticipate stopping work in this area due to winter temperatures in the upcoming weeks.

Flyers to homeowners, with project updates and contact information, were distributed recently to the impacted homeowners and businesses in the immediate area.



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

Phases MI-2 and MI-3 continue to advance through the 2018 construction season on schedule. Work performed by Wagner Construction has primarily been focused in MI-3 and the Wee Links golf course. Once all the necessary removals, exploration, and preparation were completed along the levee footprint, levee fill began being placed. Approximately 83,000 cubic yards of levee material will need to be imported for the MI-3 levee and 50,000 cubic yards of levee material are needed through the Wee Links golf course. Along with the levee earthwork, the contractor has also progressed on installation of storm sewer and roadway realignments and reconstruction required as a result of the flood protection work.

Work has advanced on the large diameter storm sewer along 2nd Avenue SW and 16th Street. The jack and bore for the 54-inch storm sewer beneath the Canadian Pacific rail line has been completed and installation with the 2nd Ave SW right of way has been completed. Restoration of the 2nd Ave SW roadway is underway. This storm sewer will provide drainage to the interior portion of the levee and will route stormwater to the Oak Park dead loop.

The Minot Park District continues to have several facilities impacted by construction. Restoration on the Souris Valley Golf Course has been completed including new greens, tee boxes, fairways, rough, hazards, and drainage improvements. The Wee Links Golf Course has been closed and will remain closed until the 2020 season. Preliminary levee work relating to removals, topsoil stripping, and subsurface exploration work have begun through the Wee Links course. Construction of the foundation and intake piping for the new Wee Links irrigation building has begun. The new dog park facility is also taking shape including final grading, topsoil, and seeding. Installation of the new fencing, shelter structure, and landscaping are all tentatively schedule for this fall.

Construction in the area of the Perkett Ditch Pump Station continues. The concrete foundation walls for the below grade wet well are complete. Vertical construction of the pump station will begin this fall. Consolidation of the soils beneath the proposed gate well has fulfilled geotechnical requirements. Excavation and foundation preparation has begun on the gate well structure and box culvert.

Anticipated construction activities for the remainder of the 2018 construction season include the continuation of levee fill in MI-3 as well as the initial placement of levee fill along Wee Links Golf Course. Rip rap placement and river bank stabilization in MI-3 is scheduled to begin. Roadway restoration related to storm sewer installation in MI-3 will continue in the areas around 2nd Avenue SW, 5th Avenue SW, and 3rd Avenue SW. Construction of both the Perkett Ditch Pump Station and the Wee Links Irrigation building will continue throughout the winter season until completed.



International Souris River Board Reservoir Study Progressing

The Souris River Joint Board is actively participating in the Resources Agency Advisory Group to the International Souris River Study Board. In an advisory capacity, the SRJB is submitting comments and concerns to communicate the importance of reservoir management as one component in an overall comprehensive basin-wide flood risk management strategy. In addition to flood risk management concerns related to urban areas, the SRJB has submitted comments related to agricultural damages, rural erosion, infrastructure damages, water quality, water quantity, irrigation needs and recreation. The International Joint Commission authorized the study of the reservoir operations within the upstream reaches of the Souris River basin in July 2017. The study is expected to produce recommendations to the International Joint Commission for action in the spring of 2020. Following receipt of the recommendations, the IJC will consult with the federal governments of the United States and Canada to determine if substantive changes to the 1989 agreement controlling operations of the reservoirs will be enacted.

Emergency Preparedness Planning Ongoing

On September 18th and 19th, the Federal Emergency Management Agency, at the request of Senator John Hoeven, conducted a workshop on flood risk management planning during an emergency. The first day was spent communicating the effects of the 2011 flood and lessons learned from that experience. The second day of the workshop included a table top exercise in which emergency management personnel worked through various planning scenarios to hone their flood fighting skills.

Additionally, the Souris River Joint Board has authorized the development of four flood-specific Emergency Action Plans which will focus on each county bisected by the Mouse River in North Dakota. Specific measures will be prescribed in a living document that will be utilized by emergency managers and personnel in Renville, Ward, McHenry and Bottineau counties. The Ward County Emergency Action Plan is substantially complete, and work on the Renville, McHenry and Bottineau county plans will begin in October. The plans are expected to be substantially complete by the spring of 2019.

A NOTE FROM OUR PROJECT ENGINEERS

MOVIN' DIRT

Approximately 370,000 cubic yards of material will be used to construct the Phases MI-2 & MI-3 levees. This equates to 16,087 side dump truck loads or 113 Olympic size swimming pools!

Senate Expected to Act on Water Resources Development Act Legislation

The US House of Representatives passed its form of legislation for the 2018 Water Resources Development Act (WRDA) in June. The US Senate is currently working on the legislation and is expected to act on the bill in the upcoming weeks. The SRJB has been engaged with Congressional staff to include language within the bill which would authorize the construction of the project identified in the US Army Corps of Engineers feasibility study of the basin. The project identified by the USACE includes the Maple Diversion in west-central Minot. If authorized and appropriated by Congress, this approximately \$85 million phase of the project would receive up to \$55 million of support from the federal government. The 2018 WRDA is expected to include language authorizing the project. However, appropriations would need to be secured in subsequent versions of WRDA legislation, unless federal funding could be secured in a non-traditional form.