

MINUTES OF MEETING
RUSH RIVER WATER RESOURCE DISTRICT
CASS COUNTY HIGHWAY DEPARTMENT
WEST FARGO, NORTH DAKOTA
NOVEMBER 26, 2013

The Rush River Water Resource District met on November 26, 2013, at 9:00 a.m. at the Cass County Highway Department, West Fargo, North Dakota.

Present were Raymond Wolfer, Chairman; William A. Hejl, Manager; Carol Harbeke Lewis, Secretary-Treasurer; Brittany C. Moen, Administrative Assistant; Sean M. Fredricks, Attorney for the Board; Mike Opat, Engineer for the Board; Lyndon Pease, Moore Engineering, Inc.; Mary Scherling, Cass County Commissioner; Jason Benson, Cass County Engineer; David Baumler, property owner in Amenia Township; and those whose names appear on the attached roster. Manager Dick Sundberg was absent.

Metro Flood Diversion Project

Representatives of the Corps of Engineers met with the Board to discuss the Drain #29, Drain #30, Rush River and Lower Rush River inlets into the Metro Flood Diversion Project. Terry Williams reviewed the progress on project design and the project schedule. A PowerPoint Presentation relating to the project is attached to these minutes.

Reach 1 consists of the rock ramp outlet into the Red River, the rerouting of Drain #29 and the Drain #30 inlet. Mr. Buesing discussed several options for the Drain #30 inlet. The Corps of Engineers will prepare a *Memorandum of Understanding* between the Corps of Engineers and the Rush River Water Resource District regarding the Drain #30 inlet into the Metro Flood Diversion Project for review at a future meeting.

Mr. Buesing reviewed the design for the Rush River and Lower Rush River drop structures for the project. The Rush River will be completely captured by the project when it is complete.

Lyndon Pease reviewed the Local Drainage Plan. The design includes an analysis of the local and regional watersheds, including breakouts. Mr. Pease discussed drainage features for the project, which will include parallel drainage channels outside of the excavated material berms (EMBs) for the entire length of the project. There will also be local drainage inlets, as needed. Mr. Pease said events smaller than a 100-year flood cannot be negatively impacted. The floodplain boundaries for a 100-year flood event must be matched between existing conditions and after the project is completed. There will be minimal change to the flood plain boundaries for a 500-year flood event for the existing and with project conditions.

Mr. Pease showed a map depicting the flow of water in a flooding event under current conditions, at a 100-year Red River Flood and a 100-year Rush River flood. They continue to work with the project design to make changes so areas showing inundation on the maps are not worsened.

Mr. Buesing displayed a design of the cross-section for the proposed project, which showed side drains on either side of the channel. Side drains will be designed to contain a 10-year event and will be constructed similar to typical rural legal drains. Manager Wolfer asked about maintenance of the side drains. Ms. Williams said the local sponsor would need to maintain them. The Corps of Engineers will keep the Board informed on the matter.

Amenia Township Improvement District No. 75

Mike Opat distributed a Summary of Estimated Costs and a Summary of Estimated Assessments for the Board's review regarding Amenia Township Improvement District No. 75. The Board will take no further action regarding Amenia Township Improvement District No. 75 until a Petition from landowners supporting the project is presented.

Drain #52 Hydraulic Study

Mr. Opat distributed a map which displayed the culvert sizes on Drain #52 and reviewed the completed Hydraulic Study for the drain. He explained that when the drain was constructed, the standard for culvert sizes was a 7-year event and that drains are now constructed to meet a 10-year event. Manager Hejl expressed he is also interested in the drain being extended to the east. The Board requested that Mr. Opat bring a proposal for extending the drain to the east to the next meeting.

Drain #29 – culverts one mile west of I-29

Chuck Sorvaag met with the Board to discuss potential improvements to the culverts one mile west of I-29 on Drain #29. Mr. Opat and Mr. Woodard will follow up with Mr. Sorvaag on the matter to bring recommendations to the Board at the next meeting.

Amenia Township Improvement District No. 74

Chris McShane will be in touch with the Board regarding land acquisition for Amenia Township Improvement District No. 74.

Lloyd Knight said some damage was done to an approach during the process of moving topsoil for the project. Mr. Opat and Mr. Woodard will look into the matter with Mr. Knight and discuss the matter with the Board at the next meeting.

Herbert Umler asked if there was a set slope for the approaches on the project. Mr. Opat will look into the matter.

Berlin Township Improvement District No. 70

Mike Opat updated the Board on Berlin Township Improvement District No. 70. The Board decided not to install erosion protection on the drain at this time, but will continue to monitor the matter.

Application to Drain #4271 for Larry R. Roth in Sections 7, 17, and 18 of Harwood Township

The Secretary-Treasurer will send a letter to Larry R. Roth requesting further information needed for Application to Drain #4271 in Sections 7, 17 and 18 of Harwood Township.

Minutes

It was moved by Manager Hejl, seconded by Manager Wolfer and unanimously carried to approve the minutes of the October 7, 15 and 16, 2013, meetings, as amended.

Bills

It was moved by Manager Hejl and seconded by Manager Wolfer to approve payment of Checks #3858 through #3873 and the electronic funds transfer, as presented. Upon roll call vote, the following Managers voted in favor: Wolfer and Hejl. Manager Sundberg was absent. The Chairman declared the motion passed.

Adjournment

There being no further business to be considered by the Board, it was moved by Manager Hejl, seconded by Manager Wolfer and unanimously carried to adjourn the meeting.

APPROVED:

Raymond Wolfer
Chairman

ATTEST:

Carol Harbeke Lewis
Secretary-Treasurer