



Federal Emergency Management Agency

Washington, D.C. 20472

CONDITIONAL LETTER OF MAP REVISION COMMENT DOCUMENT

COMMUNITY INFORMATION		PROPOSED PROJECT DESCRIPTION	BASIS OF CONDITIONAL REQUEST
COMMUNITY	City of Minot Ward County North Dakota	LEVEE FLOODWALL BRIDGE CHANNELIZATION	FLOODWAY HYDROLOGIC ANALYSIS HYDRAULIC ANALYSIS UPDATED TOPOGRAPHIC DATA LEVEE CERTIFICATION
	COMMUNITY NO.: 385367		
IDENTIFIER	Mouse River Enhanced Flood Protection Plan Construction Stage 1.5 CLOMR	APPROXIMATE LATITUDE & LONGITUDE: 48.235, -101.309 SOURCE: USGS QUADRANGLE DATUM: NAD 83	
AFFECTED MAP PANELS			
TYPE: FIRM*	NO.: 38101C0776D	DATE: January 19, 2000	* FIRM - Flood Insurance Rate Map
TYPE: FIRM	NO.: 38101C0777D	DATE: January 19, 2000	
TYPE: FIRM	NO.: 38101C0781D	DATE: January 19, 2000	
TYPE: FIRM	NO.: 38101C0782D	DATE: January 19, 2000	

FLOODING SOURCE AND REACH DESCRIPTION

Mouse River – from approximately 190 feet downstream of Burlington Northern Railroad to just upstream of Soo Line Railroad

PROPOSED PROJECT DESCRIPTION

Flooding Source	Proposed Project	Location of Proposed Project
Mouse River	New Levees	from approximately 80 feet upstream to approximately 120 feet upstream of Burlington Northern Railroad, from approximately 120 feet upstream to approximately 4,000 feet upstream of Burlington Northern Railroad, from approximately 850 feet upstream of North Broadway to approximately 1,170 feet upstream of 2nd Avenue Southwest, from approximately 530 feet downstream to approximately 620 feet upstream of 16th Street Southwest, from just upstream of 16th Street Southwest to just downstream of U.S. Highway 83 Bypass, from just downstream to just upstream of U.S. Highway 83 Bypass, from just upstream of U.S. Highway 83 Bypass to just upstream of Soo Line Railroad.
	New Floodwalls	From approximately 100 feet downstream to approximately 480 feet downstream of North Broadway, from approximately 460 feet upstream to approximately 860 feet upstream of 2nd Street Southwest, At 16th Street Southwest, at upstream end of Soo Line Railroad
	Bridge Modification	At U.S. Highway 83 Bypass
	Bridge Modification	At North Broadway
	Channelization	from approximately 850 feet upstream of North Broadway to approximately 1,170 feet upstream of 2nd Avenue Southwest

SUMMARY OF IMPACTS TO FLOOD HAZARD DATA

Flooding Source	Effective Flooding	Proposed Flooding	Increases	Decreases
Mouse River	Floodway	Floodway	Yes	Yes
	BFEs*	BFEs	Yes	Yes
	Zone AE	Zone AE	Yes	Yes
	Zone X (shaded)	Zone X (shaded)	Yes	Yes

* BFEs - Base (1-percent-annual-chance) Flood Elevations

COMMENT

This document provides the Federal Emergency Management Agency's (FEMA's) comment regarding a request for a CLOMR for the project described above. This document is not a final determination; it only provides our comment on the proposed project in relation to the flood hazard information shown on the effective National Flood Insurance Program (NFIP) map. We reviewed the submitted data and the data used to prepare the effective flood hazard information for your community and determined that the proposed project meets the minimum floodplain management criteria of the NFIP. Your community is responsible for approving all floodplain development and for ensuring that all permits required by Federal or State/Commonwealth law have been received. State/Commonwealth, county, and community officials, based on their knowledge of local conditions and in the interest of safety, may set higher standards for construction in the Special Flood Hazard Area (SFHA), the area subject to inundation by the base flood). If the State/Commonwealth, county, or community has adopted more restrictive or comprehensive floodplain management criteria, these criteria take precedence over the minimum NFIP criteria.

This comment is based on the flood data presently available. If you have any questions about this document, please contact the FEMA Map Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional information about the NFIP is available on the FEMA website at <http://www.fema.gov/national-flood-insurance-program>.

Patrick "Rick" F. Sacbbit, P.E., Branch Chief
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CONDITIONAL LETTER OF MAP REVISION COMMENT DOCUMENT (CONTINUED)

COMMUNITY INFORMATION (CONTINUED)

ADDITIONAL FLOODING SOURCES AFFECTED BY THIS CONDITIONAL REQUEST

FLOODING SOURCE(S) AND REACH DESCRIPTION

Interior Drainage - from approximately 270 feet upstream of North Broadway to approximately 2,590 feet downstream of River Road, approximately 2,590 feet downstream of River Road, two areas approximately 280 feet downstream of River Road, at River Road, approximately 260 feet upstream to approximately 1,350 feet upstream of U.S. Highway 83 Bypass

PROPOSED PROJECT DESCRIPTION

Flooding Source	Proposed Project	Location of Proposed Project
Interior Drainage	Diversion Structure	Approximately 2, 590 feet downstream of River Road

SUMMARY OF IMPACTS TO FLOOD HAZARD DATA

Flooding Source	Effective Flooding	Proposed Flooding	Increases	Decreases
Interior Drainage	BFEs*	BFEs	None	Yes
	Zone AE	Zone AE	Yes	Yes
	Zone A	Zone AE	Yes	Yes
	Zone X (shaded)	Zone X (shaded)	Yes	Yes

* BFEs - Base (1-percent-annual-chance) Flood Elevations

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Patrick "Rick" F. Sacbbit, P.E., Branch Chief
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17-08-0552R

104



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CONDITIONAL LETTER OF MAP REVISION COMMENT DOCUMENT (CONTINUED)

COMMUNITY INFORMATION

To determine the changes in flood hazards that will be caused by the proposed project, we compared the hydraulic modeling reflecting the proposed project (referred to as the proposed conditions model) to the hydraulic modeling used to prepare the Flood Insurance Study (FIS) (referred to as the effective model). If the effective model does not provide enough detail to evaluate the effects of the proposed project, an existing conditions model must be developed to provide this detail. This existing conditions model is then compared to the effective model and the proposed conditions model to differentiate the increases or decreases in flood hazards caused by more detailed modeling from the increases or decreases in flood hazards that will be caused by the proposed project.

The table below shows the changes in the BFEs:

BFE Comparison Table

Flooding Source: Mouse River		BFE Change (feet)	Location of maximum change
Existing vs. Effective	Maximum increase	6.1	Approximately 210 feet upstream of 16th Street Southwest
	Maximum decrease	None	N/A
Proposed vs. Existing	Maximum increase	0.2	Approximately 110 feet upstream of North Broadway
	Maximum decrease	1.9	Approximately 90 feet upstream of 16th Street Southwest
Proposed vs. Effective	Maximum increase	5.8	Approximately 1,070 feet upstream of 3rd Street Northeast
	Maximum decrease	None	N/A

Increases due to the proposed project that exceed those permitted under Paragraphs (c)(10) or (d)(3) of Section 60.3 of the NFIP regulations must adhere to Section 65.12 of the NFIP regulations. With this request, your community has complied with all requirements of Paragraph 65.12(a) of the NFIP regulations. Compliance with Paragraph 65.12(b) also is necessary before FEMA can issue a Letter of Map Revision when a community proposes to permit encroachments into the effective regulatory floodway that will cause BFE increases in excess of those permitted under Paragraph 60.3(d)(3).

NFIP regulations Subparagraph 60.3(b)(7) requires communities to ensure that the flood-carrying capacity within the altered or relocated portion of any watercourse is maintained. This provision is incorporated into your community's existing floodplain management ordinances; therefore, responsibility for maintenance of the altered or relocated watercourse, including any related appurtenances such as bridges, culverts, and other drainage structures, rests with your community. We may request that your community submit a description and schedule of maintenance activities necessary to ensure this requirement.

With this request, your community has provided information in accordance with the requirements of Paragraph 65.12(a)(5) of the NFIP regulations demonstrating that all impacted structures will be mitigated as part of the proposed project. All proposed mitigation (e.g. floodproofing, demolition, relocation, acquisition, elevation, etc.) actions in the revision reach identified in the February 10, 2017, MREFPP - Construction Stage 1.5 CLOMR - Mitigation Plan, and any subsequent approved revisions to this plan, must be completed for each structure prior to the construction of the project element that will adversely affect the structure.

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CONDITIONAL LETTER OF MAP REVISION COMMENT DOCUMENT (CONTINUED)

COMMUNITY INFORMATION (CONTINUED)

DATA REQUIRED FOR FOLLOW-UP LOMR

Upon completion of the project, your community must submit the data listed below and request that we make a final determination on revising the effective FIRM and FIS report. If the project is built as proposed and the data below are received, a revision to the FIRM and FIS report would be warranted.

- Detailed application and certification forms must be used for requesting final revisions to the maps. Therefore, when the map revision request for the area covered by this letter is submitted, Form 1, entitled "Overview and Concurrence Form," must be included. A copy of this form may be accessed at <https://www.fema.gov/media-library/assets/documents/1343>.

- The detailed application and certification forms listed below may be required if as-built conditions differ from the proposed plans. If required, please submit new forms, which may be accessed at <https://www.fema.gov/media-library/assets/documents/1343>, or annotated copies of the previously submitted forms showing the revised information.

Form 2, entitled "Riverine Hydrology and Hydraulics Form." Hydraulic analyses for as-built conditions of the base flood, the with-project without levee analysis, the 10-percent, 2-percent, and 0.2-percent-annual-chance floods, and the regulatory floodway, must be submitted with Form 2.

Form 3, entitled "Riverine Structures Form."

- A certified topographic work map showing the revised and effective base, interior drainage, and 0.2-percent-annual-chance floodplain and floodway boundaries. Please ensure that the revised information ties-in with the current effective information at the downstream and upstream ends of the revised reach.

- An annotated copy of the FIRM, at the scale of the effective FIRM, that shows the revised base and 0.2-percent-annual-chance floodplain and floodway boundary delineations shown on the submitted work map and how they tie-in to the base and 0.2-percent-annual-chance floodplain and floodway boundary delineations shown on the current effective FIRM at the downstream and upstream ends of the revised reach.

- As-built plans, certified by a registered Professional Engineer, of all proposed project elements.

- A copy of the public notice distributed by your community stating its intent to revise the regulatory floodway, or a signed statement by your community that it has notified all affected property owners and affected adjacent jurisdictions.

- Documentation of the individual legal notices sent to property owners who will be affected by any widening or shifting of the base floodplain and/or any BFE increases along Mouse River.

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CONDITIONAL LETTER OF MAP REVISION COMMENT DOCUMENT (CONTINUED)

COMMUNITY INFORMATION (CONTINUED)

DATA REQUIRED FOR FOLLOW-UP LOMR (continued)

- An officially adopted maintenance and operation plan for the Tierrecita Vallejo, 83 Bypass, Phase 2/3 Napa Valley/Forst Road, Minot WTP, Maple High Flow Diversion, Phase 1 - 4th Avenue and North East Levee Extension levees. This plan, which may be in the form of a written statement from the community Chief Executive Officer, an ordinance, or other legislation, must describe the nature of the maintenance activities, the frequency with which they will be performed, and the title of the local community official who will be responsible for ensuring that the maintenance activities are accomplished.
- FEMA's fee schedule for reviewing and processing requests for conditional and final modifications to published flood information and maps may be accessed at <https://www.fema.gov/forms-documents-and-software/flood-map-related-fees>. The fee at the time of the map revision submittal must be received before we can begin processing the request. Payment of this fee can be made through a check or money order, made payable in U.S. funds to the National Flood Insurance Program, or by credit card (Visa or MasterCard only). Please either forward the payment, along with the revision application, to the following address:

LOMC Clearinghouse
Attention: LOMR Manager
3601 Eisenhower Avenue, Suite 500
Alexandria, Virginia 22304-6426

or submit the LOMR using the Online LOMC portal at: <https://hazards.fema.gov/femaportal/onlinelomc/signin>

After receiving appropriate documentation to show that the project has been completed, FEMA will initiate a revision to the FIRM and FIS report. Because the flood hazard information (i.e., base flood elevations, base flood depths, SFHAs, zone designations, and/or regulatory floodways) will change as a result of the project, a 90-day appeal period will be initiated for the revision, during which community officials and interested persons may appeal the revised flood hazard information based on scientific or technical data.

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**CONDITIONAL LETTER OF MAP REVISION
COMMENT DOCUMENT (CONTINUED)**

COMMUNITY INFORMATION (CONTINUED)

COMMUNITY REMINDERS

We have designated a Consultation Coordination Officer (CCO) to assist your community. The CCO will be the primary liaison between your community and FEMA. For information regarding your CCO, please contact:

Ms. Jeanine P. Petterson
Director, Mitigation Division
Federal Emergency Management Agency, Region VIII
Denver Federal Center, Building 710
P.O. Box 25267
Denver, CO 80225-0267
(303) 235-4830

A preliminary study is being conducted for Ward County, North Dakota and Incorporated Areas. Preliminary copies of the revised FIRM and FIS report were submitted to your community for review on June 9, 2017, and may become effective before the revision request following this CLOMR is submitted. Please ensure that the data submitted for the revision ties into the data effective at the time of the submittal.

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