

ILLINOIS STATE WATER SURVEY

INSTITUTE OF NATURAL RESOURCE SUSTAINABILITY



**FEMA**

# **LOMR/CLOMR Process**

**Christopher R. Hanstad, CFM**



UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

# About myself

- Started at ISWS in 2006
- Generated Flood Profiles for FEMA's Map Modernization Project
- Graduated in 2008 from University of Illinois
- Began processing LOMRs in 2010

# Topics to be covered

- Illinois LOMR Delegation Program
- Types of Map Changes
- MT-2 (LOMR/CLOMR) Forms
- MT-2 (LOMR/CLOMR) Process Overview
- Questions

# Illinois LOMR Delegation

- Illinois State Water Survey began reviewing LOMR/CLOMR applications September 1, 2010
- Illinois one of only 3 statewide participants in the LOMR Delegation Program
- LOMR/CLOMR requests are now sent directly to the Illinois State Water Survey for review

# Illinois LOMR Delegation

Illinois State Water Survey

Attn: Chris Hanstad

2204 Griffith Drive

Champaign, IL 61820

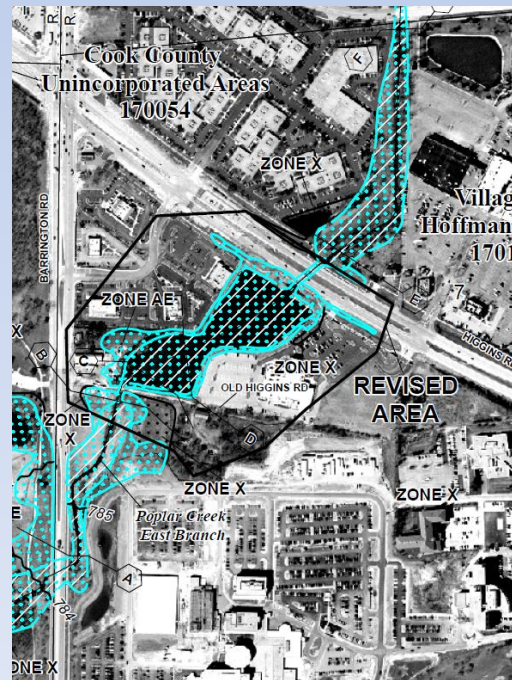
- LOMR/CLOMR review at ISWS follows same review and regulatory procedures as LOMR/CLOMR review at FEMA and/or contractors

# Letters of Map Change (LOMC)

- A LOMC is a letter that reflects an official revision to the NFIP map
- LOMCs are issued in place of physical revisions and republications of the NFIP map
- LOMCs supersede the published NFIP map for the revision area
- Published map panel and FIS + LOMCs = Effective Data for communities

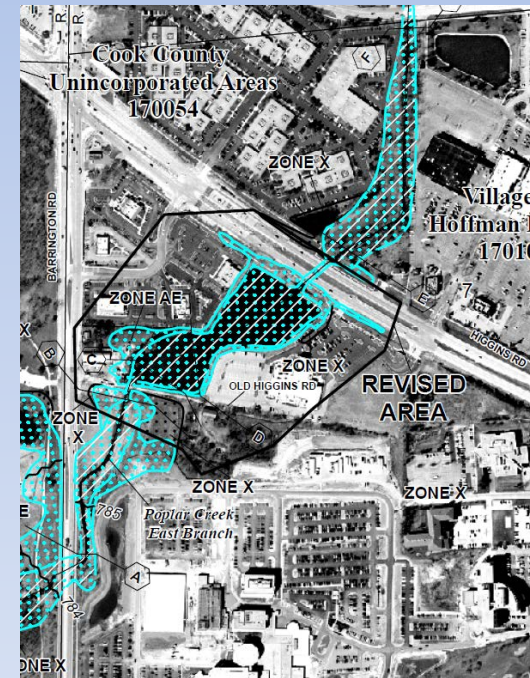
# Letters of Map Change (LOMC)

- The NFIP map is a graphical depiction (SFHA) of flood risk data
- The depiction is driven by engineering data



# Letters of Map Change (LOMC)

- Map Changes that establish or revise the location of a structure or property in relation to SFHA are **MT-1** Map Changes
- Map Changes that establish or revise the engineering data that drives the SFHA depiction are **MT-2** Map Changes





# Types of LOMCs

- MT-1 Requests (Not processed by ISWS)
  - Letter of Map Amendment (LOMA)
  - Conditional Letter of Map Amendment (CLOMA)
  - Letter of Map Revision Based on Fill (LOMR-F)
  - Conditional Letter of Map Revision Based on Fill (CLOMR-F)
- Does not result in a change to Flood Insurance Rate Map (FIRM) or Flood Insurance Study (FIS) data

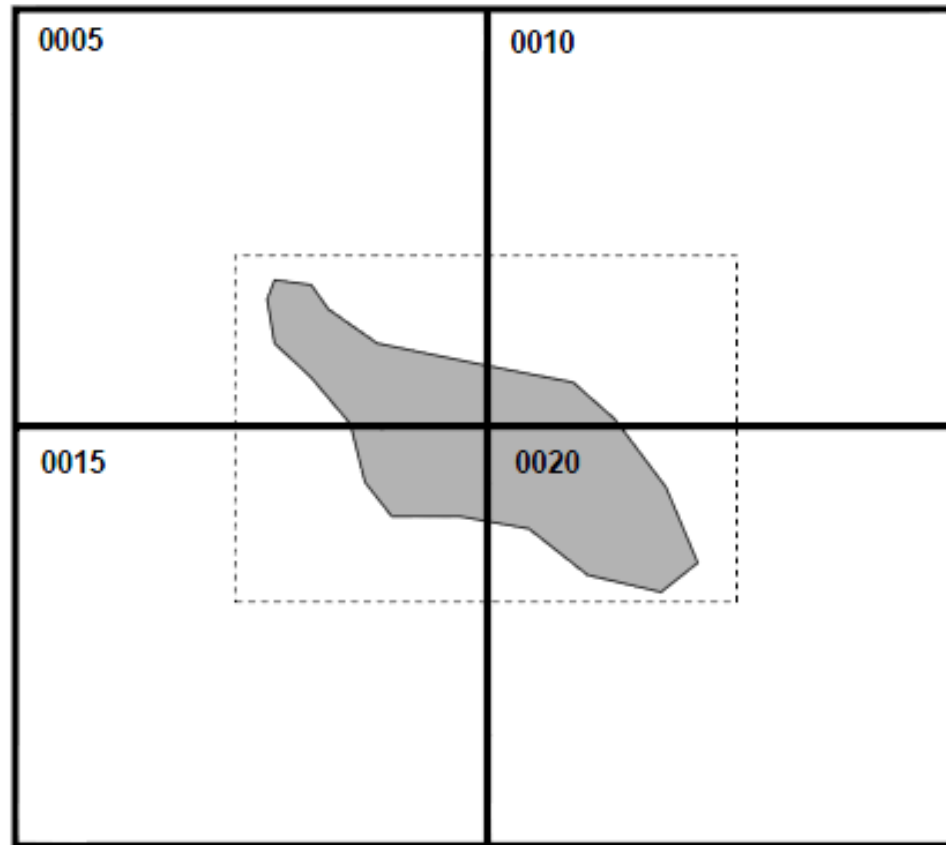
# Types of Map Changes

- MT-2 Requests
  - Letter of Map Revision (LOMR)
  - Conditional Letter of Map Revision (CLOMR)
- Processed by ISWS
- Requirements from NFIP Regulation 44 (CFR)  
Ch. 1 Parts 60, 65, and 72

# Types of Map Changes

- Letter of Map Revision (LOMR)
  - An official letter issued to communities by FEMA that revises the effective data shown on the community's Flood Insurance Rate Map (FIRM) and/or Flood Insurance Study (FIS)
  - Do not result in republication of FIRM and/or FIS unless the revision size exceeds pre-determined limits

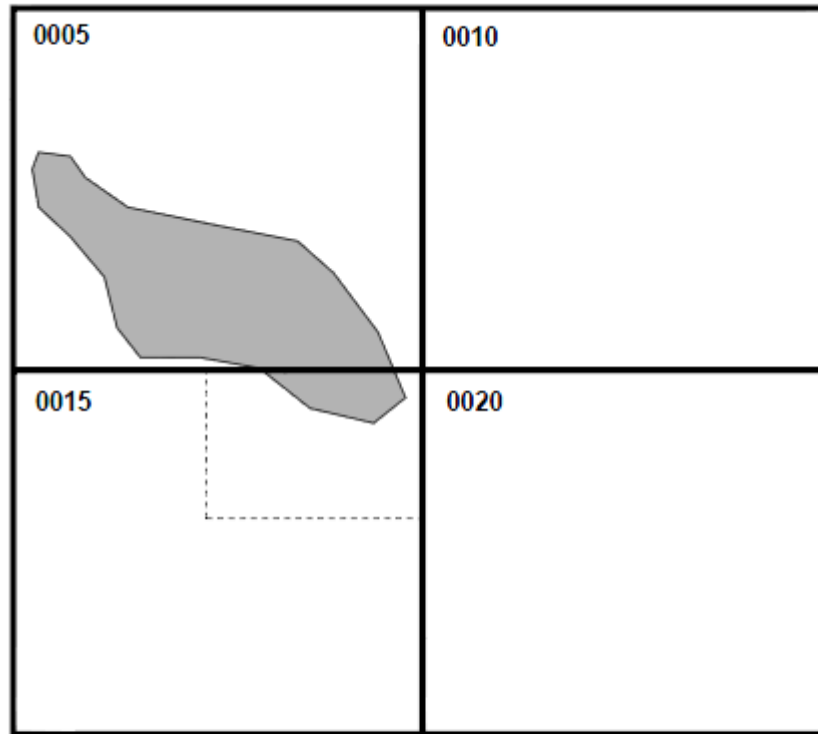
# Types of Map Changes



**EXAMPLE 2 – FOUR PANELS AFFECTED, BUT THE REVISION ON EACH PANEL FITS ON 11X17 SHEET OR SMALLER; PROCESSED AS LOMR**

In Example 2, four panels are affected in the revision. Because the affected area on all four panels will fit on an 11" x 17" or smaller sheet, a LOMR can be issued.

# Types of Map Changes



## **EXAMPLE 3 – GREATER THAN A FULL PANEL REVISION; PROCESSED AS PMR**

In Example 3, the revised area affects a full panel, and extends onto an adjacent panel. This revision is processed as a PMR.

# Types of Map Changes

- Physical Map Revision (PMR)
  - Unlike LOMRs, PMRs republish FIRM panels and FIS.
  - ISWS will perform technical review of data and FEMA will issue an official letter stating that the study has been approved and will be mapped when FEMA funds the mapping project

# Types of Map Changes

- Conditional Letter of Map Revision (CLOMR)
  - FEMA's comment of the impacts of a potential project. Helps to ensure the project is compliant with NFIP regulation prior to construction
  - Does not result in map change until follow-up LOMR is issued
  - Not a "Permit"



# When is a CLOMR required?

- 44 CFR 65.12 states:

*When a community proposes to permit encroachments upon the floodplain when a regulatory floodway has not been adopted or to permit encroachments upon an adopted regulatory floodway which will cause base flood elevation increases in excess of...(0.00 ft in floodway) and/or [0.1 ft in floodplain]...the community shall apply to the Administrator for conditional approval of such actions prior to permitting the encroachments to occur...*

- Some communities may require a CLOMR when FEMA does not



# When is a LOMR required?

- 44 CFR 65.3 states:

*A community's base flood elevations may increase or decrease resulting from physical changes affecting flooding conditions. As soon as practicable but not later than six months after the date such information becomes available, a community shall notify the Administrator of the changes by submitting technical or scientific data in accordance with this part...*

- Required following CLOMR

# MT-2 Forms

- Required for all LOMR and CLOMR requests
- Helps request become compliant with CFR Parts 60, 65, and 72
- Describes data requirements for request
- Helps applicant organize submittal
- Forces community involvement early on in the revision process

# MT-2 Form 1

## • MT-2 Form 1 "Overview and Concurrence"

DEPARTMENT OF HOMELAND SECURITY  
FEDERAL EMERGENCY MANAGEMENT AGENCY  
**OVERVIEW & CONCURRENCE FORM**

O.M.B. NO. 1660-0016  
Expires February 28, 2014

### PAPERWORK BURDEN DISCLOSURE NOTICE

Public reporting burden for this form is estimated to average 1 hour per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the needed data and completing, reviewing, and submitting the form. You are not required to respond to this collection of information unless it displays a valid OMB control number. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing this burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 1800 South Bell Street, Arlington, VA 22205-3002, Paperwork Reduction Project (1660-0016). Submission of the form is required to obtain or retain benefits under the National Flood Insurance Program. Please do not send your completed survey to the above address.

### PRIVACY ACT STATEMENT

**AUTHORITY:** The National Flood Insurance Act of 1968, Public Law 90-448, as amended by the Flood Disaster Protection Act of 1973, Public Law 93-234.

**PRINCIPAL PURPOSE(S):** This information is being collected for the purpose of determining an applicant's eligibility to request changes to National Flood Insurance Program (NFIP) Flood Insurance Rate Maps (FIRM).

**ROUTINE USE(S):** The information on this form may be disclosed as generally permitted under 5 U.S.C. § 552a(b) of the Privacy Act of 1974, as amended. This includes using this information as necessary and authorized by the routine uses published in DHS/FEMA/NFIP/LOMA-1 National Flood Insurance Program (NFIP); Letter of Map Amendment (LOMA) February 15, 2005; 71 FR 7900.

**DISCLOSURE:** The disclosure of information on this form is voluntary; however, failure to provide the information requested may delay or prevent FEMA from processing a determination regarding a requested change to a (NFIP) Flood Insurance Rate Maps (FIRM).

### A. REQUESTED RESPONSE FROM DHS-FEMA

This request is for a: (check one)

- CLOMR: A letter from DHS-FEMA commenting on whether a proposed project, if built as proposed, would justify a map revision, or proposed hydrology changes. (See 44 CFR Ch. 1, Parts 60, 65 & 72).
- LOMR: A letter from DHS-FEMA officially revising the current NFIP map to show the changes to floodplains, regulatory floodway, or flood elevations. (See 44 CFR Ch. 1, Parts 60, 65 & 72).

### B. OVERVIEW

1. The NFIP map panel(s) affected for all impacted communities is (are):

Community No.	Community Name	State	Map No.	Panel No.	Effective Date
Ex: 480301 480287	City of Katy Harris County	TX TX	48473C 48201C	0005D 0220G	02/08/83 09/28/90

2. a. Flooding Source:

Riverine  Coastal  Shallow Flooding (e.g., Zones AO and AH)

b. Types of Flooding:  Alluvial fan  Lakes  Other (Attach Description)

3. Project Name/Identifier:

4. FEMA Zone designations affected: (Choices A, AH, AO, A1-A30, A99, AE, AR, V, V1-V30, VE, B, C, D, X)

5. Basis for Request and Type of Revision:

FEMA Form 086-0-27, (2/2011)

Previously FEMA Form 81-89

MT-2 Form 1 Page 1 of 3

a. The basis for this revision request is (check all that apply)

- Physical Change  Improved Methodology/Data  Regulatory Floodway Revision  Base Map Changes
- Coastal Analysis  Hydraulic Analysis  Hydrologic Analysis  Corrections
- Weir-Dam Changes  Levee Certification  Alluvial Fan Analysis  Natural Changes
- New Topographic Data  Other (attach Description)

Note: A photograph and narrative description of the area of concern is not required, but is very helpful during review.

b. The area of revision encompasses the following structures (check all that apply)

- Structures:  Channelization  Levee/Floodwall  Bridge/Culvert
- Dam  Fill  Other (Attach Description)

c.  Documentation of ESA compliance is submitted (required to initiate CLOMR review). Please refer to the instructions for more information.

### C. REVIEW FEE

Has the review fee for the appropriate request category been included?  Yes, Fee Amount: \$ \_\_\_\_\_

No, Attach Explanation

Please see the DHS-FEMA website at [http://fema.gov/plan/prevent/hnfipm\\_fees.htm](http://fema.gov/plan/prevent/hnfipm_fees.htm) for Fee Amounts and Exemptions.

### D. SIGNATURE

All documents submitted in support of this request are correct to the best of my knowledge. I understand that any false statement may be punishable by fine or imprisonment under Title 18 of the United States Code, Section 1001.

Name	Company	
Mailing Address	Daytime Telephone No.	FAX No.
EMAIL ADDRESS		
Signature of Requester (Required)	Date	

As the community official responsible for floodplain management, I hereby acknowledge that we have received and reviewed this Letter of Map Revision (LOMR) or conditional LOMR request. Based upon the community's review, we find the completed or proposed project meets or is designed to meet all of the community floodplain management requirements, including the requirement for when fill is placed in the regulatory floodway, and that all necessary Federal, State, and local permits have been, or in the case of a conditional LOMR, will be obtained. For conditional LOMR requests, the applicant has documented endangered Species Act (ESA) compliance to DHS-FEMA prior to DHS-FEMA's review of the conditional LOMR application. For LOMR requests, I acknowledge that compliance with sections 9 and 10 of the ESA has been achieved independently of DHS-FEMA's process. For actions authorized, funded, or being carried out by Federal or State agencies, documentation from the agency showing its compliance with section 7(a)(2) of the ESA will be submitted. In addition, we have determined that the land and any existing or proposed structures to be removed from the CPMA are or will be reasonably safe from flooding as defined in 44 CFR 65.2(c), and that we have available upon request to DHS-FEMA, all analyses and documentation used to make this determination.

Community Official's Name and Title	Community Name	
Mailing Address	Daytime Telephone No.	FAX No.
EMAIL ADDRESS		
Community Official's signature (required)	Date	

FEMA Form 086-0-27, (2/2011)

Previously FEMA Form 81-89

MT-2 Form 1 Page 2 of 3

### CERTIFICATION BY REGISTRATION PROFESSIONAL ENGINEER AND/OR LAND SURVEYOR

This certification is to be signed and sealed by a licensed land surveyor, registered professional engineer, or architect authorized by law to certify elevation information data, hydrologic and hydraulic analysis, and any other supporting information as per NFIP regulations paragraph 65.2(b) and as described in the MT-2 Forms instruction. All documents submitted in support of this request are correct to the best of my knowledge. I understand that any false statement may be punishable by fine or imprisonment under Title 18 of the United States Code, Section 1001.

Certifier's Name	License No.	Expiration Date
Company Name	Telephone No.	Fax No.
Signature	E-mail Address	Date

Ensure the forms that are appropriate to your revision request are included in your submittal.

Form name and Number

Required if...

- Riverine Hydrology & Hydraulics Form (Form 2) New or revised discharges or water-surface elevations
- Riverine Structures Form (Form 3) Channel is modified, addition/revision of bridge/culverts, addition/revision of levee/floodwall, addition/revision of dam
- Coastal Analysis Form (Form 4) New or revised coastal elevations
- Coastal Structures Form (Form 5) Addition/revision of coastal structure
- Alluvial Fan Flooding Form (Form 6) Flood control measures on alluvial fans

Seal (optional)

FEMA Form 086-0-27, (2/2011)

Previously FEMA Form 81-89

MT-2 Form 1 Page 3 of 3

# MT-2 Form 1

- Include community information, flood zones affected, flooding source, reason for request
- Signatures from community officials and professional engineer.
- Fee amount if applicable
  - Fees generally apply to requests that involve man-made changes in the SFHA

# MT-2 Form 2

**PAPERWORK BURDEN DISCLOSURE NOTICE**  
Public reporting burden for this form is estimated to average 3.5 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the needed data, and completing, reviewing, and submitting the form. You are not required to respond to this collection of information unless a valid OMB control number appears in the upper right corner of this form. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing this burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 1800 South Bell Street, Arlington VA 22206-3000, Paperwork Reduction Project (1500-0016). Submission of the form is required to obtain or retain benefits under the National Flood Insurance Program. Please do not send your completed survey to the above address.

**PRIVACY ACT STATEMENT**  
AUTHORITY: The National Flood Insurance Act of 1968, Public Law 90-448, as amended by the Flood Disaster Protection Act of 1973, Public Law 93-234.  
PRINCIPAL PURPOSE(S): This information is being collected for the purpose of determining an applicant's eligibility to request changes to National Flood Insurance Program (NFIP) Flood Insurance Rate Maps (FIRM).  
ROUTINE USE(S): The information on this form may be disclosed as generally permitted under 5 U.S.C. § 552a(b) of the Privacy Act of 1974, as amended. This includes using this information as necessary and authorized by the routine uses published in DHS/FEMAN/FI/LOMA-1 National Flood Insurance Program (NFIP); Letter of Map Amendment (LOMA) February 15, 2009, 71 FR 990.  
DISCLOSURE: The disclosure of information on this form is voluntary; however, failure to provide the information requested may delay or prevent FEMA from processing a determination regarding a requested change to a NFIP Flood Insurance Rate Maps (FIRM).

Flooding Source: \_\_\_\_\_  
Note: Fill out one form for each flooding source studied.

**A. HYDROLOGY**

1. Reason for New Hydrologic Analysis (check all that apply)  
 Not revised (skip to section B)     No existing analysis     Improved data  
 Alternative methodology     Proposed Conditions (CLOMR)     Changed physical condition of watershed

2. Comparison of Representative 1%-Annual-Chance Discharges  

Location	Drainage Area (Sq. Mi.)	Effective FIS (dfs)	Revised (dfs)
_____	_____	_____	_____
_____	_____	_____	_____

3. Methodology for New Hydrologic Analysis (check all that apply)  
 Statistical Analysis of Gage Records     Precipitation/runoff Model    Specify Model: \_\_\_\_\_  
 Regional Regression Equations     Other (please attach description)

Please enclose all relevant models in digital format, maps, computations (including computation of parameters), and documentation to support the new analysis.

4. Review/Approval of Analysis.  
If your community requires a regional, state, or federal agency to review the hydrologic analysis, please attach evidence of approval/review.

5. Impacts of Sediment Transport on Hydrology  
Is the hydrology for the revised flooding source(s) affected by sediment transport?     Yes     No  
If Yes, then fill out Section F (Sediment Transport) of Form 3. If No, then attach your explanation for why sediment transport was not considered.

1. Reach to be Revised

Description	Cross Section	Water-Surface Elevations (ft.)	
		Effective	Proposed/Revised
Downstream Limit _____	_____	_____	_____
Upstream Limit _____	_____	_____	_____

\* Proposed/Revised elevations must tie-into the Effective elevations within 0.5 foot at the downstream and upstream limits of revision.

2. Hydraulic Method/Model Used \_\_\_\_\_

3. Pre-Submittal Review of Hydraulic Models  
DHS/FEMA has developed two review programs, CHECK-2 and CHECK-RAS to aid in the review of HEC-2 and HEC-RAS hydraulic models, respectively. We recommend that you review your HEC-2 and HEC-RAS models with CHECK-2 and CHECK-RAS.

4. Models Submitted

	Natural Run		Floodway Run		Datum	
	File Name	Plan Name	File Name	Plan Name	File Name	Plan Name
Duplicate Effective Model*	_____	_____	_____	_____	_____	_____
Corrective Effective Model*	_____	_____	_____	_____	_____	_____
Existing or Pre-Project Conditions Model	_____	_____	_____	_____	_____	_____
Revised or Post-Project Conditions Model	_____	_____	_____	_____	_____	_____
Other - (attach description)	_____	_____	_____	_____	_____	_____

\* For details, refer to the corresponding section of the instructions.  
 Digital Models Submitted? (Required)

**C. MAPPING REQUIREMENTS**

A certified topographic map must be submitted showing the following information (where applicable): the boundaries of the effective, existing, and proposed conditions 1%-annual-chance floodplain (for approximate Zone A revisions) or the boundaries of the 1% - and 0.2%-annual-chance floodplains and regulatory floodway (for detailed Zone AE, AO, and AH revisions); location and alignment of all cross sections with stationing control indicated; stream, road, and other alignments (e.g. dams, levees, etc.); current community easements and boundaries; boundaries of the requester's property; certification of a registered professional engineer registered in the Subject State; location and description of reference marks; and the referenced vertical datum (NGVD, NAVD, etc.).  
 Digital Mapping (GIS/CADD) Data Submitted

Topographic Information \_\_\_\_\_  
 Source \_\_\_\_\_ Date \_\_\_\_\_  
 Accuracy \_\_\_\_\_

Note that the boundaries of the existing or proposed conditions floodplains and regulatory floodway to be shown on the revised FIRM and/or FBFM must tie-in with the effective floodplain and regulatory floodway boundaries. Please attach a copy of the effective FIRM and/or FBFM, at the same scale as the original, annotated to show the boundaries of the revised 1%-and 0.2%-annual-chance floodplains and regulatory floodway that tie-in with the boundaries of the effective 1%-and 0.2%-annual-chance floodplain and regulatory floodway at the upstream and downstream limits of the area on revision.  
 Annotated FIRM and/or FBFM (Required)

1. For LOMR/CLOMR Requests, do Base Flood Elevations (BFEs) Increase?     Yes     No  
 a. For CLOMR requests, if either of the following is true, please submit evidence of compliance with Section 65.12 of the NFIP regulations:  
 • The proposed project encroaches upon a regulatory floodway and would result in increases above 0.00 foot compared to pre-project conditions.  
 • The proposed project encroaches upon a SFHA with or without BFEs established and would result in increases above 1.00 foot compared to pre-project conditions.  
 b. Does this LOMR cause increase in the BFE and/or SFHA compared with the effective BFEs and/or SFHA?     Yes     No  
 If Yes, please attach proof of property owner notification and acceptance (if available). Elements of and examples of property owner notifications can be found in the MT-2 Form Instructions.

2. Does the request involve the placement or proposed placement of fill?     Yes     No  
 If Yes, the community must be able to certify that the area to be removed from the special hazard area, to include any structures or proposed structures, meets all of the standards of the local floodplain ordinances, and is reasonably safe from flooding in accordance with the NFIP regulations set forth at 44 CFR 60.3(a)(3), 65.5(a)(4), and 65.6(a)(14). Please see the MT-2 instructions for more information.

3. For LOMR requests, is the regulatory floodway being revised?     Yes     No  
 If Yes, attach evidence of regulatory floodway revision notification. As per paragraph 65.7(b)(1) of the NFIP regulations, notification is required for requests involving revisions to the regulatory floodway. (Not required for revisions to approximate 1%-annual-chance floodplains (studied Zone A designations) unless a regulatory floodway is being established. Elements and examples of regulatory floodway revision notification can be found in the MT-2 Form 2 instructions.)

4. For CLOMR requests, please submit documentation to FEMA and the community to show that you have complied with Sections 9 and 10 of the Endangered Species Act (ESA).  
 For actions authorized, funded, or being carried out by Federal or State agencies, please submit documentation from the agency showing its compliance with Section 7(a)(2) of the ESA. Please see MT-2-Instructions for more detail.  
 \* Not inclusive of all applicable regulatory requirements. For details, see 44 CFR parts 60 and 65.

# MT-2 Form 2

- MT-2 Form 2 “Riverine Hydrology & Hydraulics”
  - Hydrologic methodology
  - Hydraulic methodology
  - Topographic workmap
  - Help to ensure request has met technical requirements
  - Common regulations requirement

# MT-2 Form Instructions

- MT-2 Instructions offer guidance for using the forms.
- Provide explanations of regulatory requirements
- Sample templates for property owner notifications

# Additional Items

- Project Narrative
  - Describe project
  - Discuss what effective data was available and how it was obtained
  - Discuss modeling methodology
  - Discuss any modeling discrepancies or errors
- State Approval (IDNR-OWR concurrence)
  - For floodway revisions, include IDNR-OWR floodway permit and IDNR-OWR floodway revision concurrence



# MT-2 Process Overview

- ISWS formally acknowledges case received
  - Informs requestor of case number
  - Provides requestor contact information
- ISWS performs initial technical review
  - Takes inventory of data submitted
  - Drafts Additional Data Request Letter

# MT-2 Process Overview

- Goals of initial technical review
  - Understand project or proposed project
  - Gather all effective data impacted by request
  - Determine which communities are impacted by request and if they acknowledged request
  - Determine impacts to FIRM/FIS; BFE increases? Floodway Revision?
  - Determine if all regulatory requirements have been satisfied

# MT-2 Process Overview

- ISWS formally requests additional data
  - Includes summary of data items required to continue processing the request
  - Applicant has 90 days to fully respond to AD letter; after 90 days case suspended

# MT-2 Process Overview

- ISWS performs detailed technical review
  - Review of methodology
  - Comparison of models
  - Comparison of modeled widths to mapped widths should be within 5% of mapping scale

# MT-2 Process Overview

- Goals of detailed technical review:
  - Approve the hydrologic and hydraulic analyses for final processing of revision
  - Summarize the final changes/ proposed changes to effective FIRM/FIS
  - Ensure that all final changes have fulfilled the necessary regulatory requirements

# MT-2 Process Overview

- ISWS drafts determination documents
- ISWS drafts revised FIRM panels, flood profile, FIS tables, etc.
  - LOMR/CLOMR documents are reviewed internally

Follows Conditional Case No.: 93-05-341R



Federal Emergency Management Agency  
Washington, D.C. 20472

**LETTER OF MAP REVISION  
DETERMINATION DOCUMENT**

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	Village of Hoffman Estates Cook County Illinois	DETENTION BASIN	FLOODWAY HYDRAULIC ANALYSIS NEW TOPOGRAPHIC DATA
	COMMUNITY NO.: 170107		

IDENTIFIER	APPROXIMATE LATITUDE & LONGITUDE:
Poplar Creek East Branch - Stonegate Restaurant Mall	42.057, -88.143
	SOURCE: USGS QUADRANGLE DATUM: NAD 27

ANNOTATED MAPPING ENCLOSURES			ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM*	NO.: 17031C0167 J	DATE: August 19, 2008	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: August 19, 2008	
			FLOODWAY DATA TABLE: 19	

Enclosures reflect changes to flooding sources affected by this revision.  
\* FIRM - Flood Insurance Rate Map; \*\* FBFM - Flood Boundary and Floodway Map; \*\*\* FHBM - Flood Hazard Boundary Map

FLOODING SOURCE(S) & REVISED REACH(ES)
Poplar Creek East Branch - from approximately 150 feet downstream of Old Higgins Road to just upstream of Higgins Road

Flooding Source	SUMMARY OF REVISIONS			
	Effective Flooding	Revised Flooding	Increases	Decreases
Poplar Creek East Branch	Zone AE	Zone AE	YES	YES
	Floodway	Floodway	NONE	YES
	Zone X (shaded)	Zone X (shaded)	YES	NONE

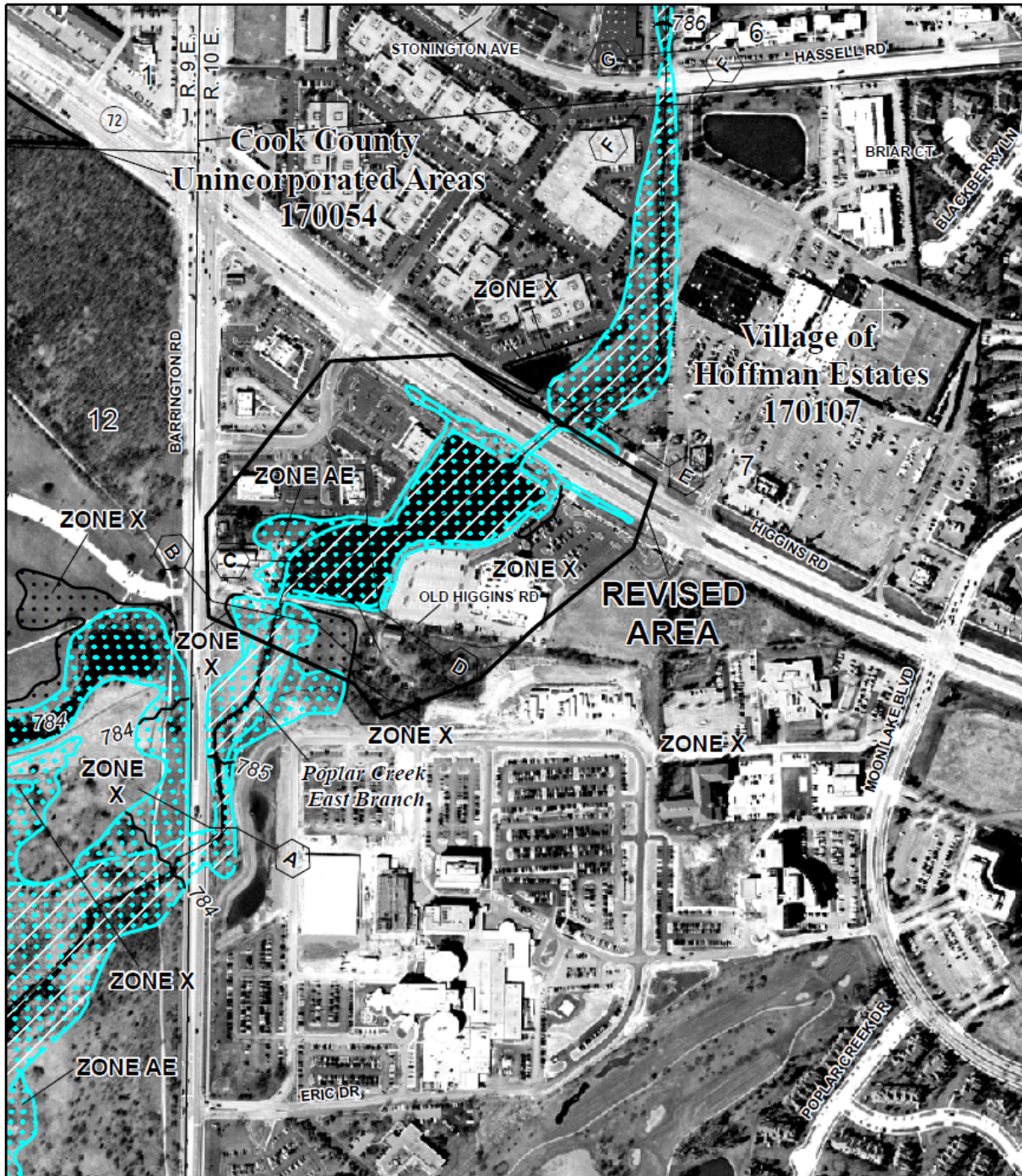
\* BFEs - Base Flood Elevations

**DETERMINATION**




This document provides the determination from the Department of Homeland Security's Federal Emergency Management Agency (FEMA) regarding a request for a Letter of Map Revision (LOMR) for the area described above. Using the information submitted, we have determined that a revision to the flood hazards depicted in the Flood Insurance Study (FIS) report and/or National Flood Insurance Program (NFIP) map is warranted. This document revises the effective NFIP map, as indicated in the attached documentation. Please use the enclosed annotated map panels revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals in your community.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Assistance Center toll free at 1-877-338-2827 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 6730 Santa Barbara Court, Elkridge, MD 21075. Additional information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

*David N. Bascom*  
David N. Bascom, CFM, Program Specialist  
Engineering Management Branch  
Mitigation Directorate

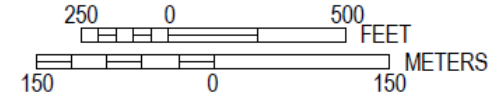


Legend

-  1% annual chance (100-Year) Floodplain
-  1% annual chance (100-Year) Floodway
-  0.2% annual chance (500-Year) Floodplain



MAP SCALE 1" = 500'



PANEL 0167J

**FIRM**  
FLOOD INSURANCE RATE MAP

COOK COUNTY,  
ILLINOIS  
AND INCORPORATED AREAS

PANEL 167 OF 832  
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
COOK COUNTY	170054	0167	J
HOFFMAN ESTATES,	170107	0167	J
VILLAGE OF SCHLAUSBURG, VILLAGE OF	170158	0167	J
VILLAGE OF	170166	0167	J

**REVISED TO REFLECT LOMR EFFECTIVE: January 13, 2010**

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.



MAP NUMBER  
17031C0167J

MAP REVISED  
AUGUST 19, 2008

Federal Emergency Management Agency

NATIONAL FLOOD INSURANCE PROGRAM



# MT-2 Process Overview

- Draft LOMR/CLOMR send to FEMA for approval
  - ISWS responds to comments prior to approval
- LOMR/CLOMR issued
  - Generally cases become effective either 30, 90, or 120 days after the issue date of LOMR
  - Some cases become effective on the issue date if property owners accept changes
  - PMRs are not assigned an effective date until the mapping project has been completed

ILLINOIS STATE WATER SURVEY

INSTITUTE OF NATURAL RESOURCE SUSTAINABILITY

# Questions?



UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN