

**Oakland County
Department of Information Technology
Project Scope and Approach**

Project Name: Digital Flood Insurance Rate Map II

Project ID: D94185FF

Leadership Group: Land			
Department: IT		Division: DISC	
Project Sponsor: Scott Oppmann	Date Requested: 03/23/04	PM Customer No. 185	
Request Type:	<u>New Development</u>	Enhancement	
	Maintenance	Customer Support	
IT Team Name: Land Management		IT Team No: 9	
Project Manager/Leader: Sudha Maheshwari			
Account Number: 96104	Account Description: IT FEMA GRANT FEMA Phase II Non Grant	Customer Name:	IT
Grant Funded? <u>Yes</u> No (Partially)	Mandate? Yes <u>No</u>	Mandate Source:	

Project Goal

To assist in FEMA's efforts of countywide redelineation of floodplains and production of preliminary Digital Flood Insurance Rate Maps (DFIRMs) for Oakland County and analyze the impact of redelineation so that better flood management can be achieved by December 2005.

Business Objective

To assist in FEMA's efforts of countywide redelineation of floodplains and preliminary DFIRM production for Oakland County by coordinating and communicating with local CVTs regard status of project, and standardized QA/QC.

Major Deliverables

Website for information dissemination.
Creation of spatially-enabled datasets such as LOMCs, repeat claims, and field verification of dams, bridges, culverts, etc. as needed.

Approach

- Serve as liaison between FEMA and Oakland County CVT to track FEMA's efforts for countywide redelineation of floodplains.
- Coordinate standard QA/QC of preliminary DFIRMs.
- Create data for countywide redelineation.

**Oakland County
Department of Information Technology
Project Scope and Approach**

Project Name: Digital Flood Insurance Rate Map II

Project ID: D94185FF

Business Objective

Analyze the impact of countywide redelineation and the need for further engineering studies in Oakland County in the future.

Major Deliverables

Report on the impacts of redelineation and future engineering needs.

Approach

- Integrate new floodplain boundaries with old floodplain boundaries and other local data such as parcels to identify areas that fall outside the floodplain that were originally in floodplain and vice-versa.
- Quantify savings for the county.

Benefits

Return on

Investment (ROI)

Not required since the project is grant-funded, with partial in-kind match.

Revenue/

Cost Recovery

A future @ccess Oakland product and One Stop Shop service for citizens, realtors, title, mortgage and insurance companies integrated with parcel data and other Oakland County GIS data.

Reduced flood insurance costs for purchasers of flood insurance.

Intangible

Improved Service

Updated and improved floodplain boundaries will result in better floodplain management for the County and local units. A coordinated effort will ensure standard criteria guiding the entire product and hence a consistent, seamless floodplain data layer for the County will be possible.

**Oakland County
Department of Information Technology
Project Scope and Approach**

Project Name: Digital Flood Insurance Rate Map II

Project ID: D94185FF

Product/Service

Accuracy Improved spatial location of the floodplain boundaries and creation of additional datasets (LOMCs, repeat claims, and improved locations of bridges, dams, culverts, etc.).

Product/Service

Productivity Accurate digital data will allow users (in the County and in CVTs) to integrate floodplain data directly with various GIS datasets rather than having to refer to paper maps. Data can also be provided via a website for increased productivity.

Impact

Number of Users 100-200 in county agencies, 100-200 in CVTs, 1000s in the general public.

Divisions DISC, CED, Environmental Health, Drain Commissioner, ERP, CVTs, Equalization.

Leadership Groups Land.

Risk

Business Environment Low

Technical Environment Low

Assumptions

Staffing Resources will be available for the hours indicated per the attached project plan.
The following roles and resources' availability will be as follows:

**Oakland County
Department of Information Technology
Project Scope and Approach**

Project Name: Digital Flood Insurance Rate Map II

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<u>Role:</u>	<u>Name</u>	<u>Hours per Day</u>
Project Sponsor:	Scott Oppmann	As needed
Project Manager:	Sudha Maheshwari	2.5 hrs/day
GIS User Support Specialist (Data Services):	Anita Campbell	3 hrs/day
GIS Enterprise Data Tech:	Donna Menyhart	2 hrs/day
GIS Enterprise Data Tech:	Susan Moore	2 hrs/day
Programmer/Analyst:	Ed Gao	5 hrs/day
GIS User Support Specialist:	Greg Galligan	2 hrs/day

Facilities

A training session will be held in Oakland County IT training rooms and conference room.

Technical

The new floodplain boundaries will be made available to the GIS Utility by FEMA and their agents in a timely fashion.

Funding

The project is partially funded through a FEMA Cooperating Technical Partner grant. Although the breakup is 75% FEMA funds and 25% Oakland County in-kind county services, the breakup is not across the project but is based on tasks. Several tasks are fully funded through the FEMA grant and some are fully funded by Oakland County in-kind services.

Priority

1A

Constraints

**Oakland County
Department of Information Technology
Project Scope and Approach**

Project Name: Digital Flood Insurance Rate Map II

Project ID: D94185FF

Not all engineering studies with the locals will be incorporated into the new DFIRMs. Only the ones approved by FEMA will make it into this version. Others will have to go through an approval process and will be incorporated as maintenance of DFIRMs.

**Oakland County
Department of Information Technology
Project Scope and Approach**

Project Name: Digital Flood Insurance Rate Map II

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PROJECT PHASE AUTHORIZATION

Phase(s): All		
Total Estimated Systems Development	Hours:	Cost:
Total Estimated Technical Systems	Hours:	Cost:
Total Project	Hours: 1240	Cost: \$ 55,315.00
Total Estimated CLEMIS	Hours:	Cost:
IT Systems Development Division Manager Approval:		Date:
IT Technical Systems Division Manager Approval:		Date:
IT DISC Division Manager Approval:		Date:
IT CLEMIS Division Manager Approval:		Date:
IT Resource Manager Approval:		Date:
IT Resource Manager Approval:		Date:
IT Resource Manager Approval:		Date:
IT Resource Manager Approval:		Date:
IT Resource Manager Approval:		Date:
IT Management Approval:		
Approved: Yes No		Date:
Reason:		
Project Sponsor Approval:		
Title:		Date:

PROJECT SUMMARY

Authorized Systems Development (see above)	Hours: 1240	Cost: \$ 55,315.00
Preliminary Estimated Systems Development for Future Phases	Hours:	Cost:
Grand Total Estimated Systems Development	Hours: 1240	Cost: \$ 55,315.00

**Oakland County
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PROJECT COMPLETION AUTHORIZATION

Customer Acceptance of Product:	
Title:	Date:
Project Office Review:	Date: