# Brooke-Hancock-Jefferson Regional Bridge System Study

# **Phase II Final Report**

Prepared for:

# Brooke-Hancock-Jefferson Metropolitan Planning Commission

Prepared by:

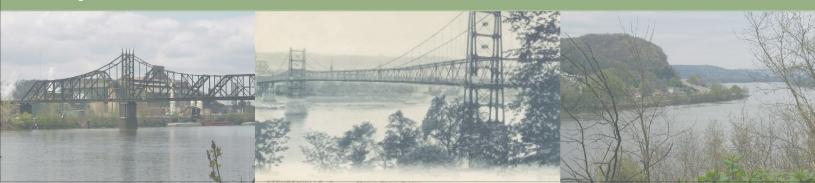


Subconsultant:



Columbus, Ohio

September 2003



### **Brooke-Hancock-Jefferson Regional Bridge System Study**

# Phase II Final Report

#### **Prepared For:**

Brooke-Hancock-Jefferson Metropolitan Planning Commission

### Prepared By:



5533 Fair Lane Cincinnati, OH 45227 513.272.5533

Subconsultant



Columbus, Ohio

September 2003
This project was funded through the cooperative effort of the U.S. Federal Highway Administration, the Ohio Department of Transportation, and the West Virginia Department of Transportation.

## **Table of Contents**

	<u>Page</u>
Executive Summary	1
Introduction	5
Description of Study Area	9
Goals and Objectives	
Public Involvement Process	24
Planning Process	27
Final Recommendations and Project Priority	55
List of Tables	
Table 1: Daily Volumes on Ohio River Bridges	32
Table 2: Daily Volumes by Direction on Ohio River Bridges	32
Table 3: Vehicle Trip River Crossings	33
Table 4: Alternative Scenarios	35
Table 5: Alternative Scenarios Evaluation	43
Table 6: Cost Estimate for Traffic Operations Improvements	54
List of Figures	
Figure 1: Regional Location	10
Figure 2: Study Area	11
Figure 3: Manufacturing Activity	14
Figure 4: Commercial Activity	15
Figure 5: Manufacturing Employment Centers 2025	16
Figure 6: Commercial Employment Centers 2025	17
Figure 7: Other Employment Centers 2025	
Figure 8: Employment Growth Centers 1994 to 2025	19
Figure 9: Selected Gateways to River and Rail Ports	
Figure 10: Alternative Scenarios	36
Figure 11: Traffic Operations Study Area	45
Figure 12: Washington Street Bridge Intersection Analysis	
Figure 13: Traffic Operations Freedom Way Improvements	
Figure 14: Recommended Project Priority	57

## **Appendix**

Appendix A: Bridge System Study History Prepared by BHJ Staff

