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Urban Mass
Transportation
Administration

The Auto-Restricted Zone Demonstration in Memphis, TN

UMTA/TSC Evaluation Series

Final Report
March 1988

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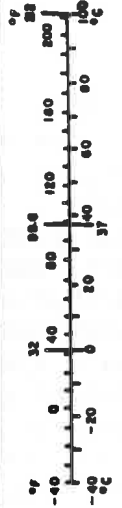
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PREFACE

This case study was prepared by Charles River Associates Incorporated (CRA) for the Transportation Systems Center (TSC) of the U.S. Department of Transportation which evaluated the Memphis project under the Service and Methods Demonstration (SMD) program of the Urban Mass Transportation Administration (UMTA). Within CRA, Sarah Slaughter prepared the draft report, and Daniel Krechmer prepared the final version. Others contributing to the project included Daniel Brand, CRA's Officer-in-Charge of work conducted for the SMD program, and previous project managers Mary Lovely, Kim Honetschlager, and Sharon Greene. Robert Casey of TSC served as technical advisor with additional input from Bruce Spear. Joseph Goodman was UMTA Project Manager, and Frank Tobey managed the efforts of the Memphis Area Transit Authority and provided valuable input and assistance.

METRIC CONVERSION FACTORS

Approximate Conversions to Metric Measures				Approximate Conversions from Metric Measures			
Symbol	What You Know	Multiply by	To Find	Symbol	What You Know	Multiply by	To Find
LENGTH				LENGTH			
in	inches	2.5	centimeters	mm	millimeters	0.04	inches
ft	feet	30	centimeters	cm	centimeters	0.4	inches
yd	yards	0.9	meters	m	meters	3.3	feet
mi	miles	1.6	kilometers	km	kilometers	0.6	miles
AREA				AREA			
sq in	square inches	6.5	square centimeters	sq cm	square centimeters	0.16	square inches
sq ft	square feet	0.09	square meters	sq m	square meters	1.2	square yards
sq yd	square yards	0.8	square meters	ha	hectares (10,000 m ²)	0.4	square miles
ac	acres	2.5	hectares	sq mi	square miles	2.6	acres
MASS (weight)				MASS (weight)			
oz	ounces	29	grams	g	grams	0.035	ounces
lb	pounds	0.45	kilograms	kg	kilograms	2.2	pounds
ton	short tons (2000 lb)	0.9	tonnes	ton	tonnes (1000 kg)	1.1	short tons
VOLUME				VOLUME			
fl oz	fluid ounces	30	milliliters	ml	milliliters	0.03	fluid ounces
cup	cups	0.24	liters	l	liters	1.06	quarts
qt	quarts	0.95	liters	m ³	cubic meters	0.26	gallons
gal	gallons	3.8	liters	cu m	cubic meters	26	cubic feet
cu ft	cubic feet	0.03	cubic meters	cu yd	cubic yards	1.3	cubic meters
yd ³	cubic yards	0.76	cubic meters				
TEMPERATURE (exact)				TEMPERATURE (exact)			
°F	Fahrenheit temperature	5/9 (plus subtracting 32)	Celsius temperature	°C	Celsius temperature	9/5 (plus add 32)	Fahrenheit temperature



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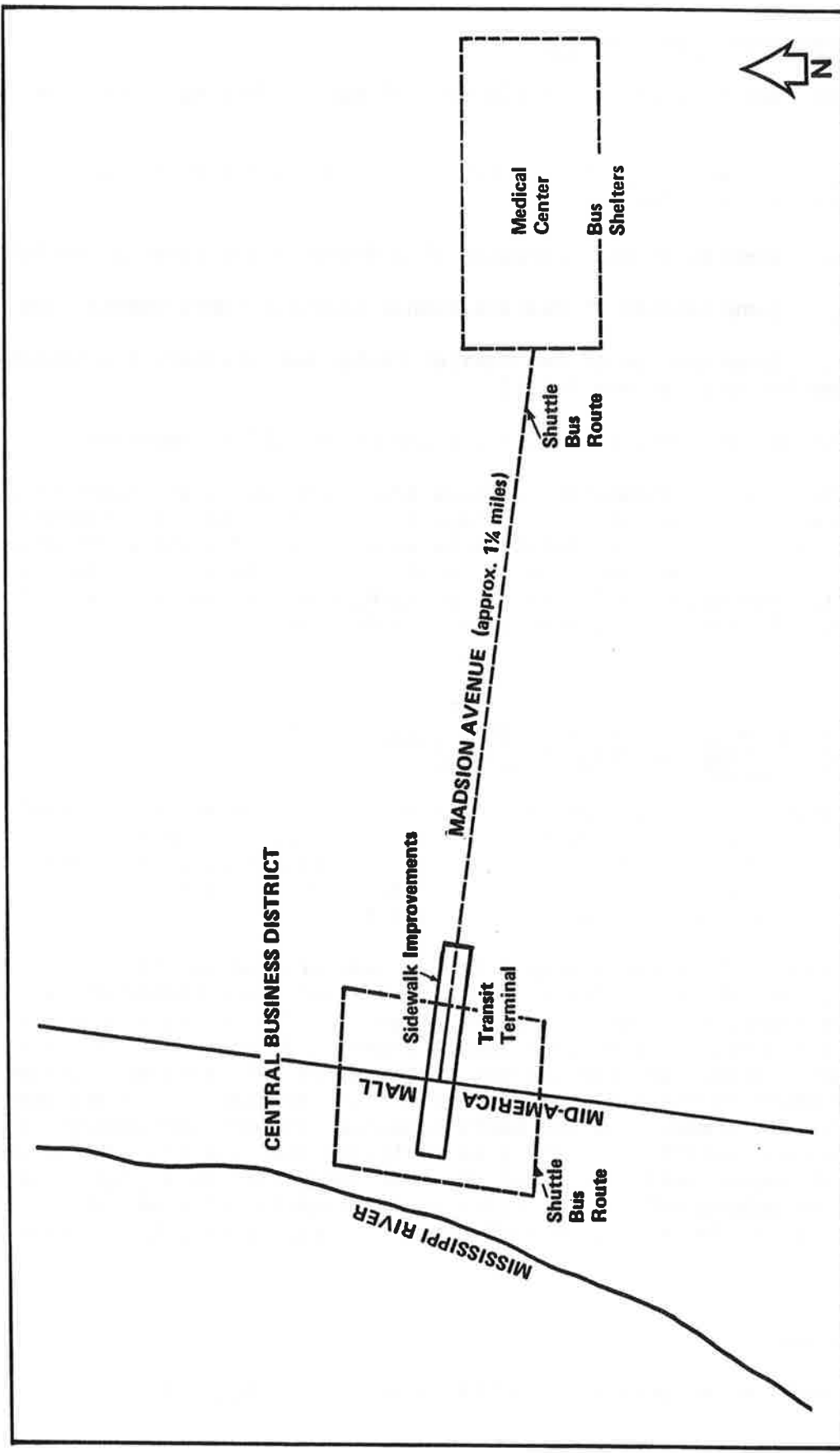
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