Cheboygan, Emmet, Otsego and Presque Isle Counties



JANUARY 2000

Northeast Michigan Council of Governments

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Cheboygan, Emmet, Otsego and Presque Isle Counties Michigan

prepared by:

NORTHERN MICHIGAN REGIONAL TRANSIT STUDY

NEMCOG

Northeast Michigan Council of Governments

121 East Mitchell Street P.O. Box 457

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prepared with the assistance of:

Northern Michigan Regional Transit Committee

Michigan Department of Transportation, Otsego County Transit System, Family Independence Agencies, Commissions on Aging, County Commissions, Crossroads Industries, Community

Mental Health, Michigan Economic Development Corporation, Northeast Michigan

with members representing:

Consortium, Local Municipalities, COP Educational Service District, Northern Michigan Hospital and Cheboygan Community Hospital

> Funded by: The Michigan Department of Transportation

> > Lansing, Michigan

Date Completed: January 2000

Chapter 1 Introduction

In 1998, the Northeast Michigan Council of Governments applied for and received a grant from the Michigan Department of Transportation. The grant application was submitted with the encouragement and support of numerous agencies, local municipalities and counties. The grant funded the following multi-county transportation study.

Study Area Information

The study area cover four counties, Cheboygan, Emmet, Otsego and Presque Isle, all located in the northern lower peninsula of Michigan. Figure 1.1, depicts the geographic features of the study area. The major population centers are Cheboygan, Gaylord, Petoskey and Rogers City; all of which are county seats. The cities of Harbor Springs and Onaway are located in the study area, along with the villages of Alanson, Mackinaw City, Millersburg, Pellston, Posen, Vanderbilt and Wolverine. There 58 townships in the four county study area.

According to the 1997 population projections developed by U.S. Census Bureau and Office of Management, the estimated population of the four county area is approximately 88,000 year round residents. With the high number of seasonal residents, the summer population is expected to be will above 100,000 persons. Approximately, 60 percent of the population is located within the cities of Cheboygan, Gaylord, Petoskey and Rogers City and adjacent Townships.

Public transportation tends to be used by four primary groups: persons with low income, persons living in households with no or limited access to automobiles, seniors, and persons with mobility limitations and disabilities. The four major population centers tend to have the highest concentrations of transit dependent populations.

Three communities in the study area, Cheboygan, Petoskey and Gaylord, tend to be regional draws for employment, medical, shopping, education and cultural activities. Information gathered in this study clearly shows there large number of people living outside these communities that need to access the employment, medical, shopping, education and cultural opportunities and services.

There are a number of transportation service providers within the four county project area. Otsego County has a county-wide dial-a-ride public transit system. The other three counties operate bus systems through the Commission on Aging. While buses are open to general public usage, the primary focus of these systems is to service the elderly and handicapped population of each county. A number of agencies provide client based transportation services.

Study Process

A grant from the Michigan Department of Transportation provided the funding to complete this multi-county study. MDOT has also funded individual county-wide transportation studies. The Cheboygan County transportation coordination study was completed in 1995 and the Presque Isle County transportation coordination study was completed the summer of 1999. Both of these studies documented existing conditions, public transportation needs and proposed

alternative systems to improve overall public transportation in each county. In addition, each study identified the need to transport people outside of the county to access needed services in other communities. The intent of this multi-county study is to complement these past studies.

To provide input and guidance throughout the planning process, the Northern Michigan Regional Transit Planning Committee was formed. The committee had members from Michigan Department of Transportation, Otsego County Transit system, Family Independence Agencies, Commissions on Aging, County Commissions, Crossroads Industries, Community Mental Health, Michigan Economic Development Corporation, Northeast Michigan Consortium, municipalities, COP Educational Service District, Northern Michigan Hospital and Cheboygan Community Hospital, and the Northeast Michigan Council of Governments. Several committee meetings were held during the development of the study.

This study will identify existing conditions, including socio-economic profiles and existing transportation services; identify the need for inter-county transportation; present goals and objectives developed by the committee; and recommend a scenario for an inter-county transit system. Finally, provided local communities support the proposed system, an application for a regional transit system will be submitted to the Michigan Department of Transportation.



Figure 1.1 Study Area

Social, Economic and Transportation Profile **Population and Age Distribution**

The 1990 U.S. Census shows a population of 21,398 persons in Cheboygan County, 25,040 persons in Emmet County, 17,957 persons in Otsego County and 13,743 persons for Presque Isle

Emmet

Presque Isle County, all counties experienced population growth between 1980 and 1990. Otsego County experienced the greatest growth at nearly 20 percent. According the U.S. Census Bureau and the Michigan Department of Management and Budget projected population growth for 1997 indicates a steady increase in population with Otsego having the highest at 21.4 percent and Presque Isle the lowest at 4.7 percent. TABLE 2.1: Population Change 1980-1997: Cheboygan, Emmet, Otsego and Presque Isle **Counties & State** % Change 1980* 1997 Unit of 1990* % Change 1990-97 Government Estimate** 1990 to 1980 to % Change 1990 1997 by Rank*** 21,398 Cheboygan 20,649 3.6% 23,535 10.0% 27

8.9%

28,339

13.2%

17

33.7

100.0%

13,743

100.0%

100.0%

Chapter 2

County. Table 2.1 shows population change between 1980 and 1997. With the exception of

14,993 17,957 19.8% 21,800 21.4% 3 Otsego **Presque Isle** 14,267 13,743 -3.7% 14,392 4.7% 50 Michigan 9,258,344 9,295,297 0.4% 9,773,892 5.15% N/A Source: U.S. Bureau of the Census - actual counts. ** Source: U.S. Bureau of the Census & Michigan Department of Management & Budget, Federal-State Program for Population Estimates. Population estimates are approximations, and are not accurate to the last digit reported. Number denotes ranking of each county's population change, as compared to all other Michigan counties *** between 1990 and 1997. County #1 experienced the largest percent increase; county #64 had the largest population loss.

25,040

22,992

The Census tally, taken on April first, does not count persons who winter elsewhere. A review of the 1990 Census housing characteristics for the four counties shows a high rate of seasonal, recreational, or occasional use housing units ranging from 30 percent in Emmet County to more than 34 percent in Otsego County, compared to less than six percent for the State of Michigan. Therefore, the population may be expected to increase by as much as one-third during the

summer months. Table 2.2 shows the percent seasonal housing units from the 1990 Census.

county project area. This figure shows the co cities of Petoskey, Gaylord, Cheboygan, and	on levels for all of cities and townships in the four ammunities with the highest population being the Rogers City; Resort, Bear Creek, Little Traverse, efield Township including the Village of Alanson; and of Indian River.
TABLE 2.2: Percent Seasonal Housin Unit of Government	g Units - 1990: Project Area Counties & State Percent Seasonal Housing Units*
Offic of Government	
Cheboygan	34.3%
	J-1.5 / 0

Benton, Inverness, Bagley, Otsego Lake, Little	Rogers City; Resort, Bear Creek, Little Traverse, efield Township including the Village of Alanson; and
Tuscarora Township including the community	of Indian River.
	ng Units - 1990: Project Area Counties & State
Unit of Government	Percent Seasonal Housing Units*
Cheboygan	34.3%
Emmet	29.7%
Otsego	34.8%
Presque Isle	34.1%
Michigan	5.8%

	efield Township including the Village of Alanson; and
Tuscarora Township including the community	,
TABLE 2.2: Percent Seasonal Housin	g Units - 1990: Project Area Counties & State
Unit of Government	Percent Seasonal Housing Units*
Cheboygan	34.3%
Emmet	29.7%
Otsego	34.8%
Presque Isle	34.1%
EAT 1	F 60/

of Indian River.
g Units - 1990: Project Area Counties & State
Percent Seasonal Housing Units*
34.3
29.7
34.8
34.1
5.8

TABLE 2.2. Percent Seasonal Housing	g Units - 1990: Project Area Counties & State
Unit of Government	Percent Seasonal Housing Units*
Cheboygan	34.3
Emmet	29.
Otsego	34.9
Presque Isle	34.
Michigan	5.8

Unit of Government	Percent Seasonal Housing Units*					
Cheboygan	34.3%					
Emmet	29.7%					
Otsego 34.8%						
Presque Isle 34.1						
Michigan 5.8%						
* The percent of seasonal housing units as compared to each county's total housing units.						
Source: U.S. Bureau of the Census						
When identifying community service needs, it is important to analyze the age distribution of the						

ation all gionally, e state of
er than the
37.1
34.5
9

32.4 Presque Isle 38.5 Michigan 28.8 **32.6** Source: U.S. Bureau of the Census The over 65 age group tend to be high users of public transportation services. Table 2.4 shows the age distribution compiled from the 1990 Census. Presque Isle County had the highest

percentage (19.8%) of persons 65 years ad older. Otsego County had the lowest percentage at 13.6 percent and the lowest actual numbers at 2,433 persons. Whereas, Cheboygan County had

the highest actual number of persons at 3,716 and Emmet County had the second highest at 3,531. Given the high number of seasonal homes and the resulting yearly seasonal influx of

29.1

retirees, the number o and early fall months.	f persons (65 years ar	nd older like	ly increase	es during	the late sprir	ng, summer
TABLE 2	2-4: 1990 F	Population	by Age: Pi	oject Area	a Counti	es & State	
Unit of Government	0-4 Yrs	5-17 Yrs	18-24 Yrs 2	25-44 Yrs	45-64	65 Yrs. &	Total
					Yrs	>	
Cheboygan (#)	1,444	4161	1597	5830	4650	3716	21,398
Cheboygan (%)	6.8%	19.5%	7.5%	27.3%	21.7%	17.4%	100.0%
Emmet (#)	1,880	4,797	2,013	8,143	4,676	3,531	25,040
Emmet (%)	7.5%	19.2%	8.0%	32.5%	18.7%	14.1%	100.0%
Otsego (#)	1,387	3,731	1,484	5,427	3,495	2,433	17,957

8.3%

30.2%

19.5%

13.6%

2,716

19.8%

9.9%

Presque Isle (#) 854 2,649 962 3,485 3,077 Presque Isle. (%) 25.4% 22.4% 6.2 % 19.3 % 7.0% Michigan (%) 7.4 % 22.3 % 13.6% 27.5% 19.4% (#) = Number of persons in the age category shown. (%) = Age category as a percent of total population.

20.8%

7.7%

Otsego

Otsego (%)

Source: U.S. Bureau of the Census

Figure 2.2 is the thematic map that depicts the 1990 population distribution of the 65 years and older population group. Communities with relatively high number of persons 65 years and older include the cities of Petoskey, Gaylord, Cheboygan, and Rogers City; and the townships of Bear Creek, Tuscarora (including the community of Indian River), Bagley, Otsego Lake and Benton. **Population Density** In analyzing community service needs such as transportation, it is helpful to look at the land area to be served and particular areas where population is clustered. Figure 2.3 shows the

communities of Petoskey, Gaylord, Harbor Springs, Onaway, Rogers City and Mackinaw City have a high population density. The Townships of Resort, Bear Creek, Little Traverse, Littlefield, Tuscarora, West Traverse, and Bagley also had a high population density according to the 1990 census. While not displayed separately, the Villages of Vanderbuilt, Wolverine, Posen, and Millersburg also had higher population density. **Mobility Limitations** The 1990 Census Transportation Planning Package produced by the Bureau of Transportation Statistics, U.S. Department of Transportation contains special tabulations of place of work and

transportation data. Figure 2.4 depicts the number of persons by age with mobility limitations by local units of governments in the project area. The cities of Petoskey, Harbor Springs, Gaylord, Cheboygan, Onaway, and Rogers City; and the townships of Resort, Bagley, Corwith Village of Vanderbuilt), Tuscarora, Mullett, Inverness and Case (Millersburg) and had numbers exceeding 55

1990 Population Levels **CLICK ON IMAGE FOR ENLARGEMENT, USE BACK GADGET OF BROWSER TO RETURN** FIGURE 2.1

Figure 2.1

Mobility Limitations Vehicle Ownership

available.

\$40,000 \$35,000 \$30,000 \$25,000 \$20,000 \$15,000 \$10,000

\$5,000

Economic Analysis

Poverty Status

higher than the State.

Counties

Emmet

Utsego

Michigan

Cheboygan

Presque Isle

than the State.

Emmet

Otsego

Presque Isle

Michigan

30.0%

25.0%

20.0%

Source:

Transportation Network

Trip Generators

Income in 1995 Below Poverty Level

All Ages (#)

persons.

FIGURE 2.2

Figure 2.3 Population Density **CLICK ON IMAGE FOR ENLARGEMENT, USE BACK GADGET OF BROWSER TO RETURN** HERE.

Figure 2.4 **Mobility Limitations** CLICK ON IMAGE FOR ENLARGEMENT, USE **BACK GADGET OF BROWSER TO RETURN** HERE.

The 1990 Census Transportation Planning Package contains information on household size and vehicle ownership. Figure 2.5 is a thematic map that shows the distribution of houses with no vehicle available. The cities of Petoskey, Harbor Springs, Gaylord, Cheboygan, Onaway, and

Vanderbuilt), and Bagley had high numbers of households with no vehicle available. In addition, Emmet County had 552 households with no vehicle available, Cheboygan had 464 households, Otsego County had 366 households and Presque Isle County had 352 households with no vehicle

Median Household Income for Area

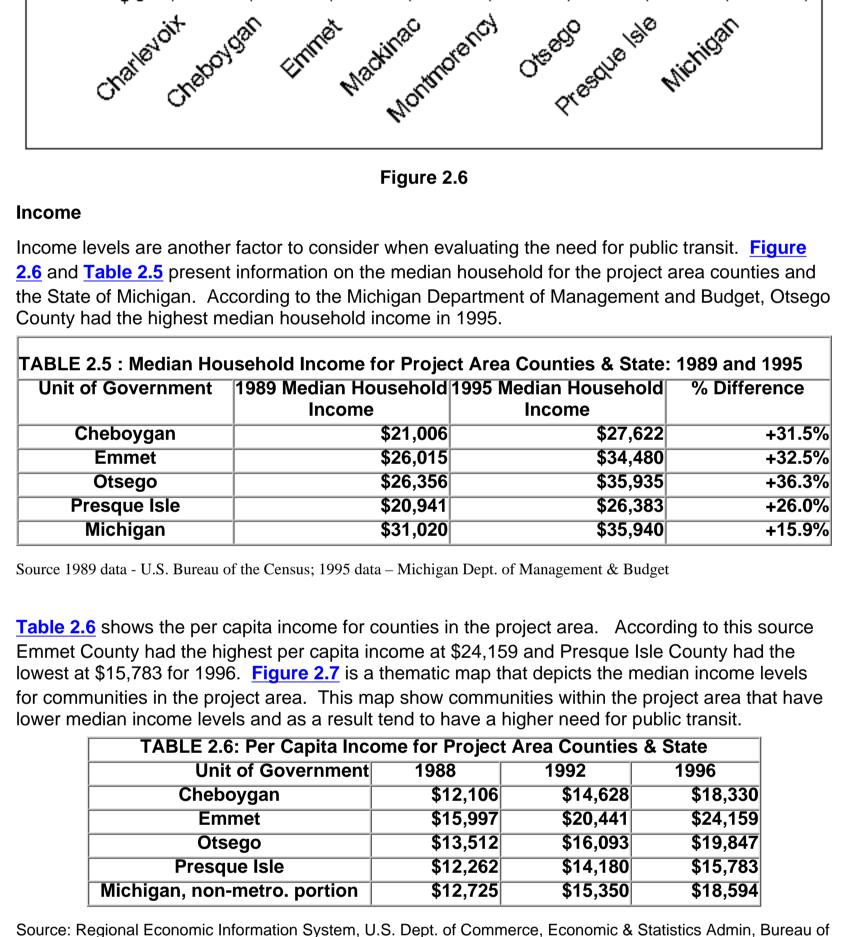
Counties & State: 1995

Rogers City; and the townships of Bear Creek, Tuscarora. Inverness, Corwith (including

FIGURE 2.3

FIGURE 2.4

Figure 2.2 65 Years and older **CLICK ON IMAGE FOR ENLARGEMENT. USE BACK GADGET OF BROWSER TO RETURN**



Poverty data estimates from the Michigan Department of Management and Budget (1995)

All Ages (%)

TABLE 2.7: 1995 Poverty Status: Project Area Counties & State

3314

2567

1902

1919

1225586

Source: Michigan Department of Management & Budget – 1999

figures), indicate that Cheboygan County had the second highest percentage of its population falling below the poverty line when compared to its neighboring counties (see Figure 2.8 and

Table 2.7). In 1995, Cheboygan and Presque Isle Counties had percent poverty that were slightly

14.3%

9.2%

8.9%

13.2%

12.6%

Figure 2.5 Households with no Vehicles **CLICK ON IMAGE FOR ENLARGEMENT, USE BACK GADGET OF BROWSER TO RETURN** HERE.

Figure 2.7 Median HH Income **CLICK ON IMAGE FOR ENLARGEMENT, USE BACK GADGET OF BROWSER TO RETURN** HERE.

Ages 0-17 yrs. (#)

FIGURE 2.5

FIGURE 2.7

9.9%

11.2%

16.3%

18.2%

1275

950

761

681

517850

Ages 0-17 yrs. (%)

21.2%

12.7%

12.5%

18.6%

20.1%

15.8%

11.9%

11.4%

17.8%

10.8%

% Population Below

TABLE 2.8: 1989 Poverty Status: Project Area Counties & State Income in 1989 – **Below Poverty Level by Age Groups** Counties All Ages (%) Persons with related Persons 65 yrs. old & children < 18 yrs. (%) over (%) Cheboygan **15.6%** 20.8%

8.5%

9.5%

14.7% 13.1%

U.S. Bureau of the Census – 1990

Figure 2.9 shows the general locations of trip generators.

dependent and need public transportation to and from work.

C-77, F-05, F-44, F-38, F-42, F-32, and F-21.

Poverty data for persons 65 years and older is only available for 1989 (1990 Census figures). Table 2.8 shows all counties in the project area had percent persons 65 years and older greater

15.0% -						Poverty All Ages	
10.0% -						■ % Population Below	
5.0% -						Poverty Ages 0-17 yrs.	
0.0% -							
charienc	Cheritaroist Cherosider Etrimet Washington Cheroside Bale Whichigan						

FIGURE 2.8

The roadway network in the project area consists of state highways (M-68, M-65, M-33, M-119, M-32, M-27, and M-211), US-23, US-31, US-131, I-75 and numerous county roads that connect communities and population centers. Major county roads include C-66, C-64, C-81, C-48, C-58,

Trip generators are considered activities or reasons that cause persons to leave their homes.

Regional employment centers include Alpena, Cheboygan, Mackinaw City, Petoskey, Harbor Springs and Gaylord. Employment opportunities also exist in other communities, although to a lesser degree than the above listed cities. Several large ski resorts within the study area offer seasonal employment. Employers can experience difficulties attracting and keeping new entry

level workers. Sheltered workshops located in Cheboygan, Gaylord and Onaway provide employment opportunities for persons with disabilities. These people are typically transit

up to an hour to work. Transportation is generally by private vehicle and therefore, personal

It is not unusual for a commuter's place of work to be twenty or more miles from home; some travel

reliable transportation is necessity. Persons re-entering the work force or persons with disabilities may not have access to reliable transportation and therefore, do not have access to good jobs. Furthermore, affordable housing is not always available close to major employment centers.

All of the communities in the study area have schools, elementary, middle or high schools. The

Students attending private schools rely on public transportation or family vehicles to get to and

from school. Other significant school-related trip generators are extra-curricular activities such as athletic events and related practices. Persons seeking higher education can attend North Central Michigan Community College in Petoskey or travel outside the study area to Alpena Community College, Kirtland Community College, Northwestern Michigan College and Lake Superior State

There are senior centers located in Alanson, Gaylord, Harbor Springs, Levering, Mackinaw City,

Pellston, Petoskey, Posen, Rogers City, Wolverine, Cheboygan, Johannesburg, Elmira and Vanderbilt. These senior centers are significant trip generators. Meals and social events along with organized programs such as health screening clinics and nutrition programs further magnify

Hospitals and medical facilities are significant transit dependent facilities. Medical clinics are

District Health Departments and Family Independence Agency offices, located in Petoskey, Gaylord, Cheboygan, and Rogers City, are major trip generators. Other trip generators are the

Several adult care homes for the developmentally disabled and residents in need of skilled nursing care are located throughout the project area. Currently, services are provided from a number of sources, such as Community Mental Health, Councils on Aging, Thunder Bay Transportation, Otsego County Transit and Lifelink, to name a few. There are skilled nursing homes in Rogers

City, Gaylord, Petoskey, Harbor Springs, and Cheboygan. These facilities are trip generators both

CLICK ON IMAGE FOR ENLARGEMENT, USE BACK GADGET OF BROWSER TO RETURN HERE.

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Figure 2.9

County Courthouses also located in Gaylord, Petoskey, Cheboygan, and Rogers City.

located in Gaylord, Indian River, Onaway, Pellston, Petoskey, Rogers City, and Wolverine. Doctor offices Cheboygan, Gaylord, Harbor Springs, Indian River, Onaway, Pellston, Petoskey, Rogers

the need for persons to have reliable transportation to and from the centers.

to travel to Cheboygan, Petoskey, Gaylord, Alpena or even Traverse City.

school transportation needs of public school are being met with area school bus systems.

University. Satellite campuses, offering limited classes schedules, are located in Gaylord, Petoskey and Cheboygan. The Northeast Michigan Rehabilitation and Opportunity Center (NEMROC) in Onaway, and Crossroads Industries in Gaylord and Cheboygan are all major

These include work, education, shopping, recreation, and medical and dental appointments. Three communities in the study area, Cheboygan, Petoskey and Gaylord, tend to be regional draws for employment, medical, shopping, education and cultural activities. Information gathered in this study clearly shows there large number of people living outside these communities that need to access the employment, medical, shopping, education and cultural opportunities and services.

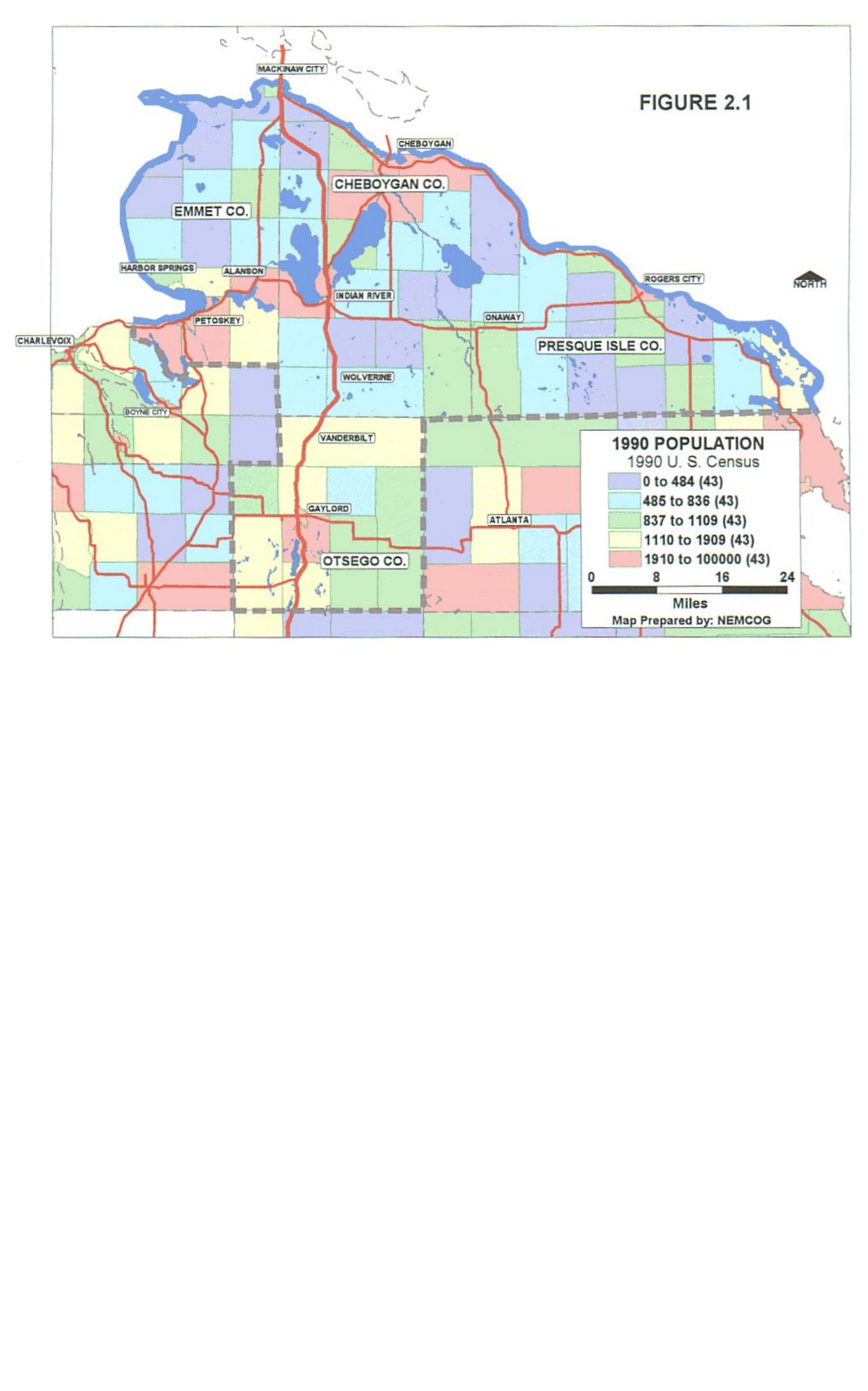
1995 Poverty Status for Area Counties & State

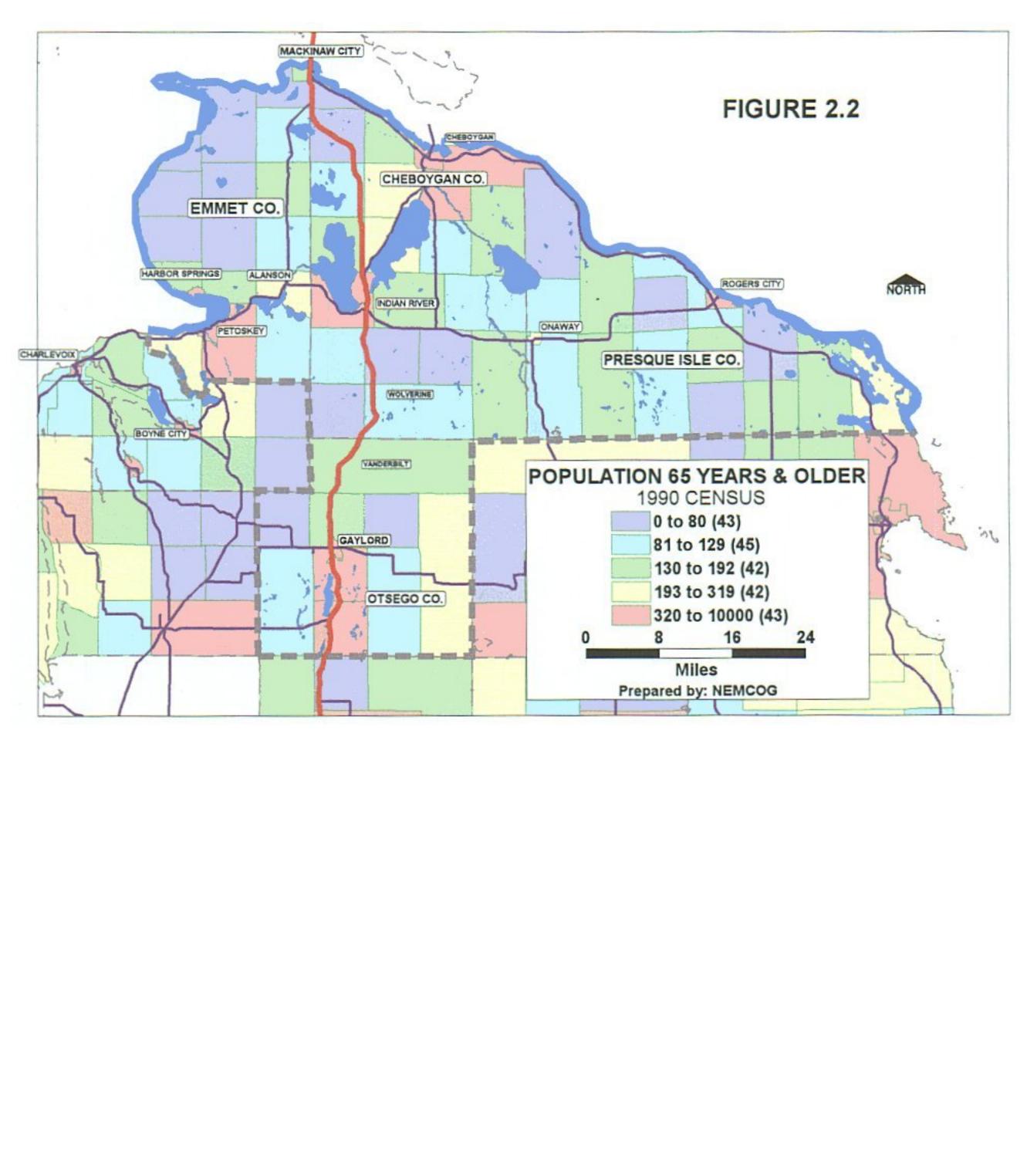
City, and Wolverine. Dentist offices are located in Alanson, Cheboygan, Gaylord, Harbor Springs, Indian River, Mackinaw City, Onaway, Pellston, Petoskey, and Rogers City. Physical Therapists are located in Indian River, Petoskey, and Gaylord. The Rogers City Rehabilitation Hospital provides inpatient physical rehabilitation for strokes, neurological, trauma, orthopedic. However, for persons needing access to hospitals, medical specialists and dental specialists, it is necessary

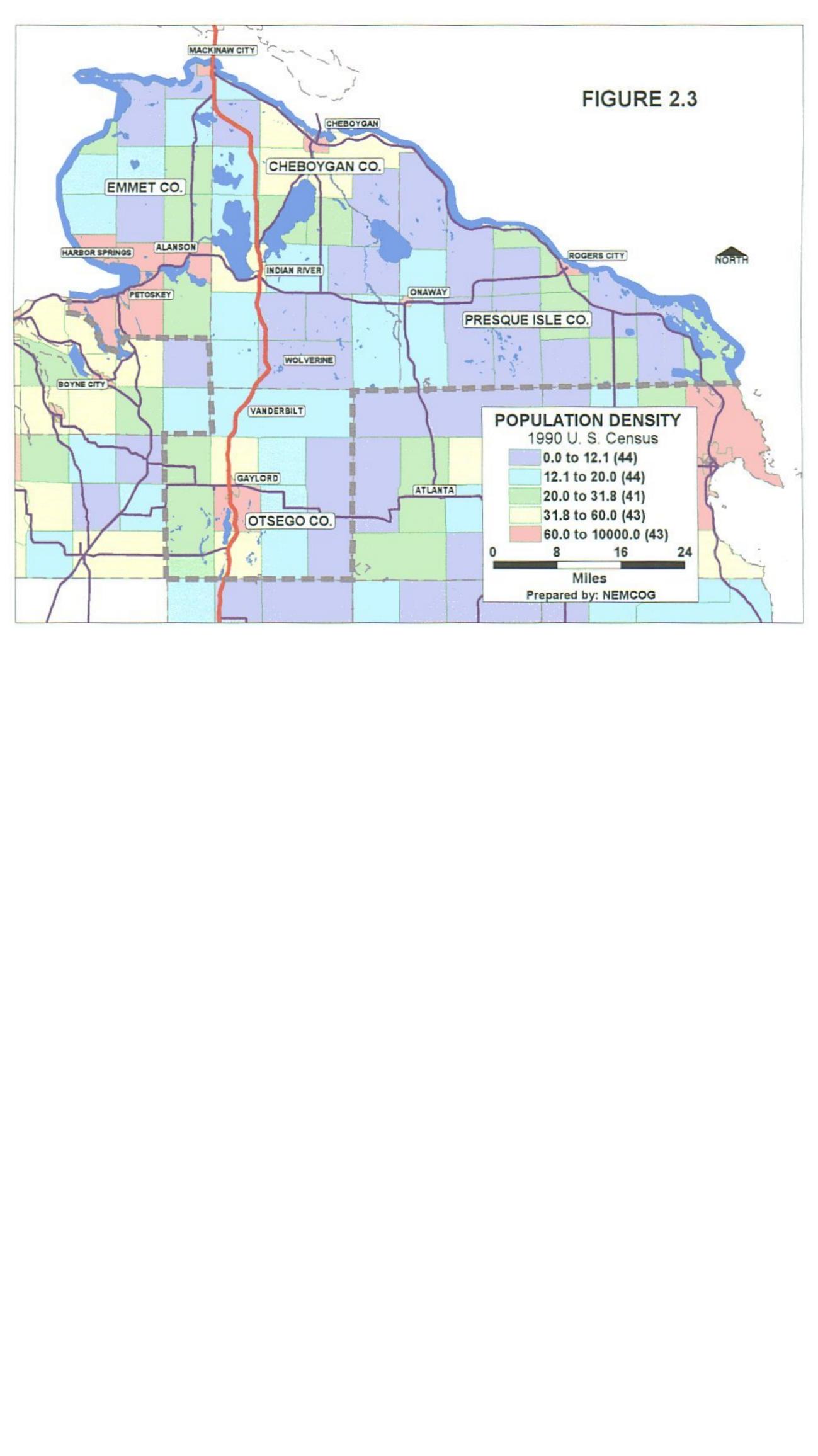
transportation generators.

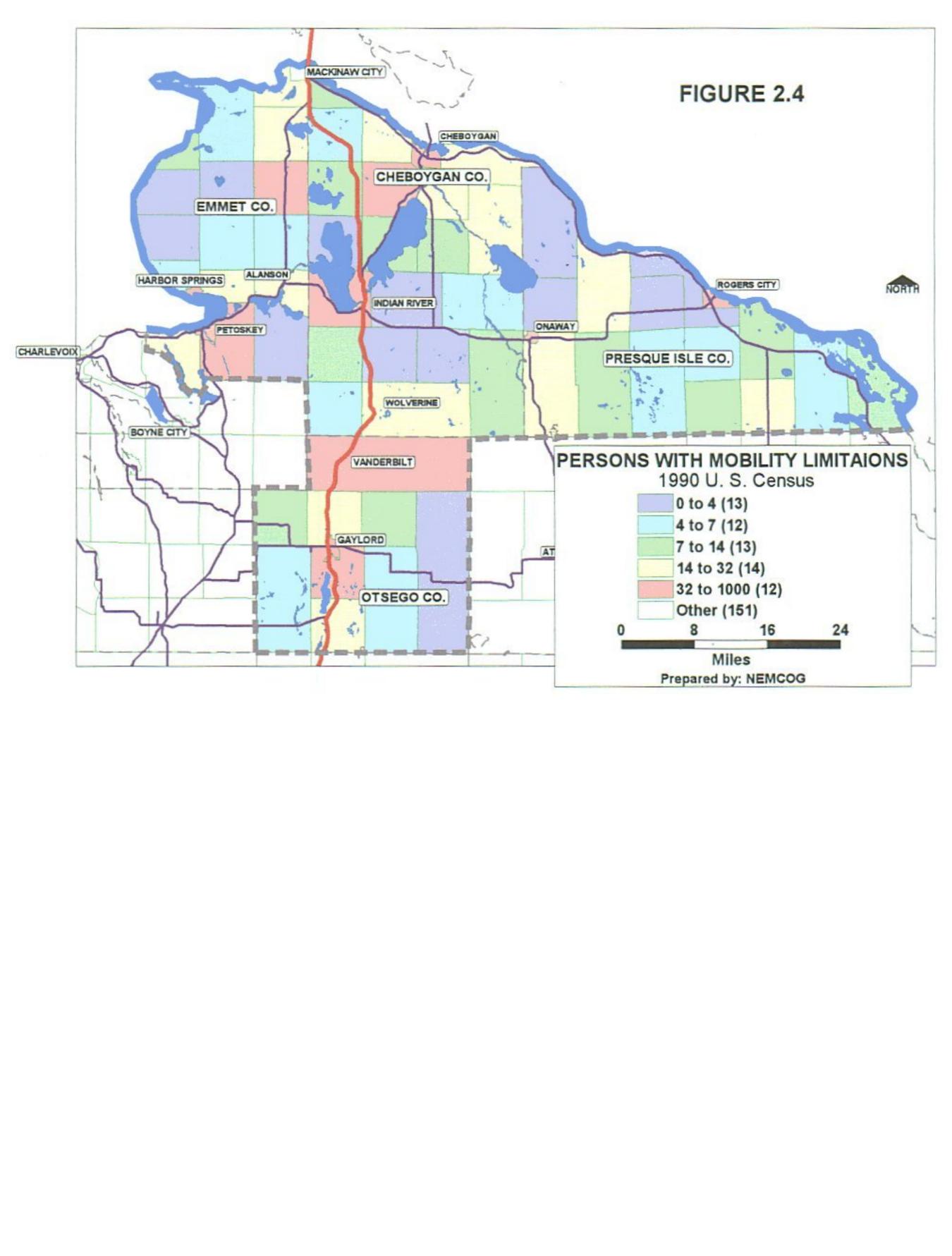
for visitors and residents. Residents of senior citizen and low income housing complexes frequently have need of public transportation, either because they no longer are able to drive or cannot afford a vehicle. Senior/low income housing can be found in several communities. Residents presently shop for food and other day-to-day items in their communities. However, they increasingly travel outside their communities to shop a regional shopping areas such as Alpena,

Cheboygan, Gaylord and Petoskey. There is a similar tendency for cultural and recreational events, with residents not only attending activities within their own communities, but also traveling to adjacent more urban areas for major cultural and recreational events. Examples of regional recreational facilities are the skating rink and Opera House in Cheboygan, Sports-plex in Gaylord, Kirtland Center for the Arts, state parks, and ski resorts. Figure 2.9 Transit Generators

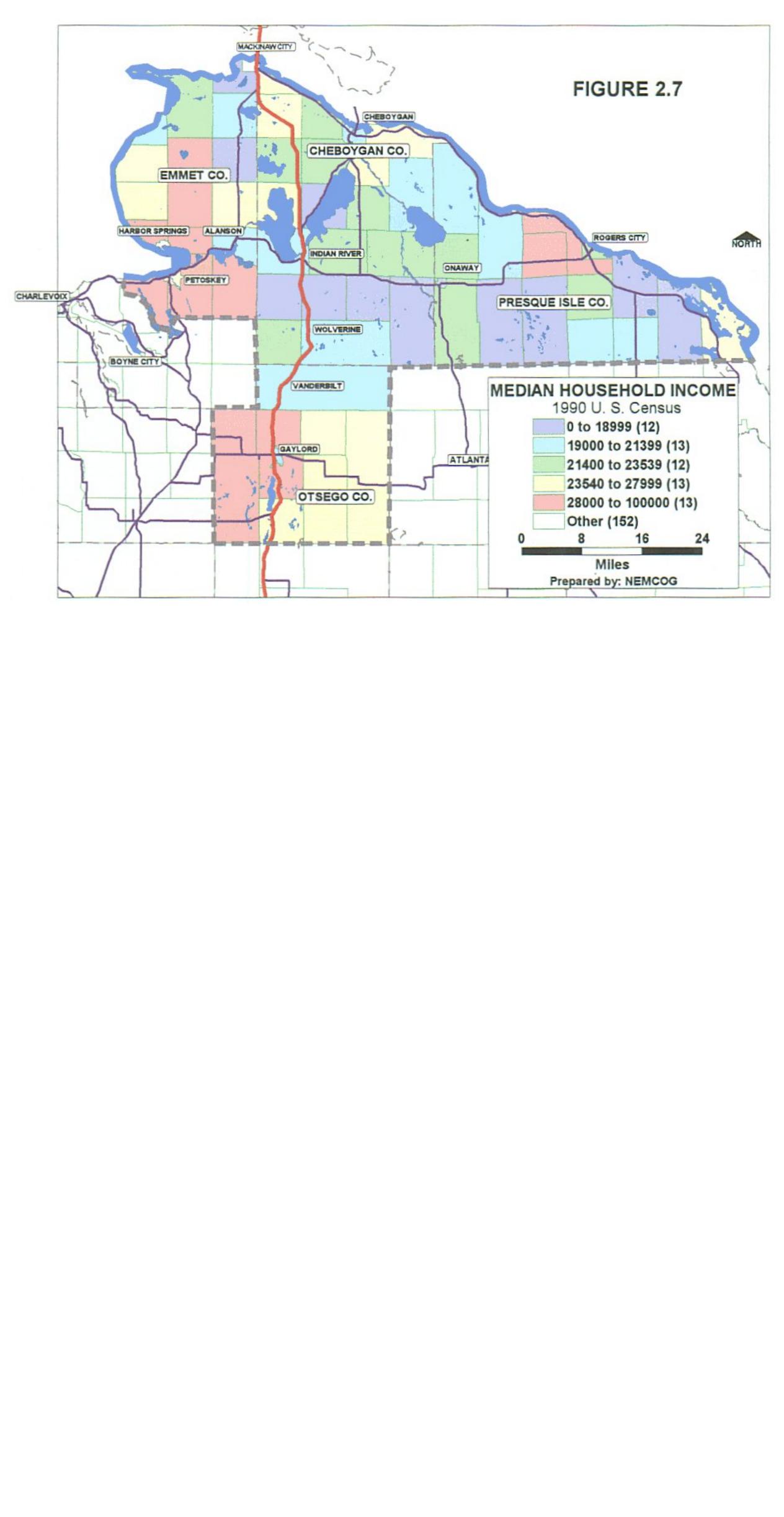














Chapter 3 **Existing Services**

Background

There are a number of transportation service providers within the four county project area. Otsego County has a county-wide dial-a-ride public transit system. The other three counties operate bus systems through the Commission on Aging. While buses are open to general public usage, the primary focus of these systems is to service the elderly and handicapped population of each county. A number of agencies provide client based transportation services. These services include mileage reimbursement, volunteer drivers, and agency vehicles. In order to develop a regional grant application, it is necessary to conduct an inventory of existing services in the four county area.

The information sources for this report were obtained from several sources. Michigan Department of Transportation UPTRAN provided 1997-98 operational information for each MDOT funded transit system. Information was also obtained from the recently completed draft Presque Isle County Transportation Study, prepared by Wade-Trim, Inc. In addition, a questionnaire was sent to each bus system and several agencies.

The Otsego County Bus System is a countywide demand response transit system. The

Otsego County

operation was established in 1978 as a demand-response system serving area seniors and persons with disabilities. In 1980 the system became countywide public transit system serving all county residents. **Service Information**

The bus system operates Monday through Friday, from 6 a.m. to 6 p.m. Peak usage times are 6 a.m. to 9 a.m. and 3 p.m. to 6 p.m. which are work related trips. The usage

remains relatively constant each day of the week. However, from September to June, due to transportation of schools kids, there is a higher daily ridership. Records indicate student ridership of 1500 per month during these months. All of Otsego County is serviced by the system. While riders are transported throughout the county, the major trip origins and destinations are in the greater Gaylord

area. Major trip destinations include Crossroads Industries, a sheltered workshop; Otsego Memorial Hospital; doctor and dentist offices; Kmart and Wal-Mart; grocery stores; KBYTE, Standard Products, and Georgia Pacific; and schools. The total miles driven in 1998 are 342,273 miles. Fleet Information Otsego County Bus System has a fleet of 13 buses. Eleven of the buses are 21

passenger and two of the buses are seven passenger. All vehicles are equipped with

wheelchair lifts. The buses are in excellent operating condition. Ridership

In 1998 the estimated daily ridership (one-way trips) was 400 persons. The annual ridership, again calculated as one way trips was 90,423 persons. According to a MDOT report 60 percent or 55,131 persons were elderly and or disabled persons.

The funding sources for fiscal year 2000 include: state and federal - \$650,000; Local millage \$193,000; advertising - \$25,000; and ridership fares - \$140,000. Total estimated

Funding Sources

Cheboygan County Cheboygan County Council on Aging (CCCOA) operates a countywide bus system. The

system focuses on serving the needs of seniors and handicapped individuals. The area

of coverage includes all of Cheboygan County and Wawatam, Carp Lake and Bliss

Townships in Emmet County. CCCOA receives capital assistance through the

for Cheboygan and 2:00 p.m. to 6:00 p.m. for Wolverine and Mackinaw City. The

state/federal 16(b)2 program and operational costs are partially funded through the

available funds for the year 2000 will be \$1,008,000.

Specialized Service program at MDOT. Buses operate out of Senior Centers located in Cheboygan, Wolverine and Mackinaw City. **Service Information** The buses assigned to the Cheboygan Center and Wolverine Senior Center operate Sunday through Thursday. The buses assigned to the Mackinaw Center operate Sunday, and Tuesday through Friday. The hours of operation are 9:00 a.m. to 3:00 p.m.

primary service operation is transporting seniors to and from the three Senior Centers.

Users pay \$1.00 per ride. Primary out of county destinations are casinos in the upper

peninsula and Traverse City area. Also, the buses are used to take short trips to other counties to visit neighboring senior centers. CCCOA is under contract with Crossroads to transport persons to the Crossroads sheltered workshop in the City of Cheboygan. CCCOA has a 6-month contract with Northeast Michigan Consortium to transport persons from Cheboygan to Mackinaw City for employment purposes. Fleet Information CCCOA operate eight buses and one club van. The buses are all equipped with wheel chair lifts and are either 10+2 wheel chairs or 12+2 wheel chairs. The Ford Club Van does not have a wheel chair lift. Vehicles are kept on a maintenance schedule according to State of Michigan requirements. Three of the vehicles, including the club van, are scheduled for replacement.

In 1998 the estimated daily ridership (one-way trips) was 30 persons. The annual ridership, again calculated as one way trips was 9,290. According to a MDOT report

Ridership

100 percent of the riders were elderly and or disabled persons. Funding Sources The funding sources include: state and federal - \$49,039; contract with Crossroads \$11,016; grant from Northeast Michigan Consortium - \$16,150; and ridership fares -

Presque Isle County Council on Aging (PICCA) operates a county-wide bus system. The

program and operational costs are partially funded through the Specialized Service program at MDOT and a county-wide millage. Buses operate out of the Senior Center

\$2,326. Total estimated available funds for the year 1999 are \$78,531.

system focuses on serving the needs of seniors and handicapped individuals, although general public may ride the buses. The area of coverage includes all of Presque County. Council on Aging receives capital assistance through the state/federal 16(b)2

Presque Isle County

located north of Posen.

Service Information

Fleet Information

According to the recently completed Presque Isle County Transportation Study, prepared by Wade-Trim, Inc., PICCA provides a demand/response service. Buses transport passengers to medical appointments, shopping and personal errands for in-town Rogers City appointments Tuesday through Thursday from 8:00 a.m. to 4:00 p.m. and Friday mornings. A bus transports seniors to the Onaway Senior Center for meals on Tuesday and Thursday, and to the Posen Senior Center on Wednesdays.

PICCA provides monthly trips out of county for medical appointments, shopping and errands. On the first Monday of each month, a bus transports people to Cheboygan, on the second and fourth Mondays to Alpena and on the third Monday to Petoskey. Buses

transportation is also provided for special trips, parties at senior centers and meals at local restaurants. On Tuesdays, students from the Presque Isle County Children's House are transported to the library for story hour. Passengers are asked to donate

are made available to adult foster care homes and senior resident homes.

\$1.00 for in county trips and more for out county trips.

good operating condition and are kept on a maintenance schedule according to State of Michigan requirements. The third bus in need of repair is used only as a back-up. Ridership In 1998 the estimated daily ridership (one-way trips) was 44 persons. According to a MDOT report from October 1997 to September 1998, the annual ridership was 7,643. Of this amount, 90 percent of the riders were elderly and or disabled persons. **Funding Sources**

The funding sources include: state and federal - \$37,000; county millage \$7,000 -

Friendship Centers of Emmet County operates a countywide bus system. The system focuses on serving the needs of seniors and handicapped individuals, although anyone

PICCA operates three buses, all equipped with wheel chair lifts. Two of the buses are in

can ride if space is available. The area of coverage includes all of Emmet County. Friendship Center receives capital assistance through the state/federal 16(b)2 program and operational costs are partially funded through the Specialized Service program at

Service Information

MDOT and a county millage.

Emmet County

\$10,000 and other \$5,000 - \$6,000.

10:00 am. to 11:30 a.m. and 1:00 p.m. to 3:00 p.m. Peak days of the week are Tuesday and Thursday. The usage has a seasonal nature with September through May having higher usage due to school related trips. The primary service operation is transporting seniors to and from the Friendship Centers. Riders are picked up at their homes and transported for medical appointments, shopping, and personal appointments.

Friendship Centers operate six vehicles, one van and five buses. Four of the vehicles are equipped with wheel chair, however, only one is fully operational. Vehicles are kept

The buses operate Monday through Friday, 8:30 a.m. to 5:00 p.m. Peak usage times are

on a maintenance schedule according to State of Michigan requirements. All but one vehicle are in good operating condition.

Ridership

Fleet Information

amount, 92 percent of the riders were elderly and or disabled persons. **Funding Sources**

FIA use a volunteer driver program for transporting clients. Agencies do not own buses. Only persons eligible for FIA programs can receive these services. There is no

County bus system.

charge for persons to be transported under the volunteer driver program. Charleviox-Emmet FIA spend about \$8,700 per year and Presque Isle County FIA

In 1998 the estimated daily ridership (one-way trips) was 60 to 100 persons. The annual ridership, again calculated as one way trips was 20,000 to 25,000. According to a MDOT report from October 1997 to September 1998, the annual ridership was 27,881. Of this The funding sources include state, federal and a county millage. Family Independence Agencies

Crossroads Industries, Inc.

Crossroads Industries operates sheltered workshops in Gaylord and Cheboygan. These programs provide employment opportunities for developmentally disabled adults. While Crossroads does not operate vehicles to transport clients, it does contract for services. The Otsego County Bus System, under contract with Crossroads Industries, transport about 50 people per day to the Gaylord workshop. In Cheboygan County, Crossroads Industries contracts with a number of sources such as home providers, Council on Aging, private taxies etc. to transport people to the Cheboygan workshop. Approximately \$70,000 is expended annually to transport people within Cheboygan County.

spends \$10,000 to \$11,000 per year. People living in Otsego County are able to use the

Chapter 4 Regional Transportation Goals

Earlier sections of this study detailed existing conditions within the study area. Based in this information, the Northern Michigan Regional Transit Planning Committee developed goals for a regional, multi-county transit system.

Goals

- Provide access to essential destinations within the study area for all residents, particularly the transit dependent population which includes low income, elderly and persons with disabilities.
- Establish flexible inter-county bus routes that connect communities and operate on schedules with fixed stops Monday through Friday. Design routes and times to focus on employment, medical and human service trips.
- · Provide a service that meets the minimum public demand for public transportation.
- Design a system that delivers reliable and timely service.
- · Use safe, reliable and efficient vehicles, equipped with wheelchair lifts.
- Provide a service that is affordable to state and local government, agencies and users; and is managed in a stable and professional manner to minimize operational costs.
- · Coordinate with existing public transportation systems within the region to assure the regional and local services complement each other.
- · Coordinate the use of existing transit facilities to minimize start-up costs and maximize operational efficiency.
- With the support of counties in the study area, develop and submit an application for a regional transit system to the Michigan Department of Transportation.
- · Maximize federal, state, local, foundation, private, and agency financial participation to fund capital and operational expenditures.
- Develop an interest in ridership through education and advertising.

"Quality of Life" for an important and growing segment of our population. This section will provide information on the proposed regional transit system including, conceptual routes; employee wages and benefits; projection of fares, passengers and revenues; fuel and other miscellaneous expenses; capital costs; overall budget estimates and suggested administrative structure. **Proposed Routes** Five routes have been identified in the multi-county study. It is understood these routes are a starting point and route alterations will likely occur after the system is up and running. The proposed routes are also dependent upon support of local communities and development of inter-local agreements between counties.

Chapter 5

Recommended Regional Transit System

Given the large coverage area, 2,400 square miles, and limited available resources, a door-to-door regional dial-a-ride system is not feasible. With this in mind, a system based on flexible routes

connecting communities and providing needed inter-county transportation has been developed. The service recommendations have been developed to focus on those areas with the highest needs and

highest concentrations of people typically dependent on public transportation, i.e. low income, elderly, low household vehicle ownership and mobility-handicapped (physical and mental). Existing county transit systems would continue to function independently and serve as feeders to the regional system.

Trip origins focus on areas where transit dependents live. Trip destinations focus on sites where transit dependents need to access for a wide array of purposes. Sites include: medical/health care facilities;

services for the transit dependent population of the region. At issue is maintaining and improving the

Leaves Sand Road facility at 7:00 am. - through City of Cheboygan north on US 23 to Mackinaw City, south on US 31 to Pellston, on to Alanson, from Alanson east on M 68 to Indian River, north on Old US

educational/training facilities; employment centers; major stores and commercial districts and social/recreational sites. The intention of the regional system is to eliminate barriers to accessing

Second trip made in reverse, starting at Crossroads at 3:00 p.m. and returning to the Sand Road facility by 5:00 p.m. Route 2 Leaves Onaway at 7:30 am traveling west on M 68 to Fingerboard Corners (M 68 & M 33) to the East Mullett Lake area, and on north to City of Cheboygan arriving at Crossroads Industries by 9:00 am. Second trip made in <u>reverse</u>, starting at Crossroads at 3:00 p.m. and returning to Onaway by 5:00 p.m. Figure 5.1 PROPOSED TRANSIT LINES CLICK ON IMAGE FOR ENLARGEMENT. **USE BACK GADGET OF BROWSER TO** RETURN HERE.

27 to City of Cheboygan arriving at Crossroads Industries by 9:00 am.

Route 3

Leaves the City of Cheboygan at 7:00 am, 11:00 am and 5:00 p.m., traveling south on Old US 27 to Indian River. From Indian River Bus continues south on I 75 to Gaylord, with stops at Wolverine and Vanderbilt, and arrives in Gaylord by 9:00 am, 1:00 p.m. and 7:00 p.m.

Route 3 bus and Route 4 bus exchange drivers at half way point and return to point of departure. Route 4

Leaves Gaylord at 7:00 am, 11:00 am and 5:00 p.m., traveling north on I 75 with stops at Vanderbilt, Wolverine and Indian River, from Indian River, bus travels north on Old US 27 and arrives in the City

of Cheboygan by 9:00 am, 1:00 p.m. and 7:00 p.m. Route 3 bus and Route 4 bus exchange drivers at half way point and return to point of departure. An

Each run is approximately 100 miles.

Each run is approximately 40 miles.

Each run is approximately 100 miles.

Each run is approximately 50 miles.

Three Year Projection Of Fares, Passenger And Revenues

Fare

\$3.00

\$3.00

\$3.00

\$3.00

\$3.00

\$3.00

\$3.00

\$3.00

\$3.00

\$3.00

\$3.00

\$3.00

\$3.00

\$3.00

\$3.00

\$75.00 per month pass.

Estimated Total Farebox For Year Three

5 Buses (4 operating with 1 back-up)

(With 2-way capabilities)

Total Estimated Capital Requests

Projected Operations Costs

Employee Wages & Benefits

4 Drivers (FT - 2080hrs/yr)

4 Drivers (PT - 1040hrs/yr)

1 Dispatcher (FT - 1950hrs/yr)

Fringe Benefits (Approx. 40%)

Dispatcher (PT - 1300hrs/yr)

1 Bookkeeper (PT - 1040hrs/yr)

Fringe Benefits (Approx. 40%)

Fringe Benefits (Approx. 40%)

Mechanic (PT - 1040hrs/yr) @

Fuel And Other Miscellaneous Expenses 244,400 (rounded to 250,000) miles per year divided by 9 miles/gal.(27,778 gallons) X

Office and dispatching space rental:12' X 15'

Overall Operations Budget Estimates

long term operations of the regional system.

room = $180 \text{ sq. ft.} \otimes \$8.00/\text{sq ft} = \$1,440/\text{year or}$

\$0.80/gal. (Commercial diesel fuel) =

(No Fringe Benefits)

\$22,222/year fuel costs.

(No Fringe Benefits)

(No Fringe Benefits)

Fringe Benefits (Approx. 40%)

Wages

Sub-total:

Total:

Wages

Wages

Total:

Total:

Wages

1Manager

Wages

Total:

Total:

Total Wages

\$120/ month.

Estimated Total

State:

Farebox:

Operational Expenses

Estimated Revenues

Contracts & Local Match:

Administrative Structure

Total: (4X)

(4X)

Estimated Total Farebox For Year Two

<u>Fare</u>

Estimated Total Farebox For Year One

Fare

(two runs/day, 3 times/week)

(Two runs per day)

(Two runs per day)

(Three runs per day)

(Three runs per day)

(260 days/year)

(156 day/year)

Year One

Routes

Route 1

Route 2

Route 3

Route 4

Route 5

Year Two

Routes

Route 1

Route 2

Route 3

Route 4

Route 5

Routes

Route 1

Route 2

Route 3

Route 4

Route 5

Optional:

Capital Requests

Year Three

Total Miles/Year:

(260 days/year)

Route 4

Route 5

(260 days/year)

Route 2

alternative to both Routes 3 & 4 may be to travel exclusively along Old US 27.

Route 5 Vehicle leaves Onaway at 8:00 am traveling west on M 68 to Petoskey, arriving by 9:00 am.

Route 1

A return trip is made at 4:00 p.m. *This route runs 3 times each week*.

Projected Mileage Miles/Day Miles/Year Route

Route 1

52,000

20,800

78,000

15,600

244,400

Est. Revenues

\$15,600

\$15,600

\$11,700

\$11,700

\$ 4,680

\$59,280

\$19,500

\$19,500

\$14,820

\$14,820

\$ 6,084

\$74,724

\$24,180

\$24,180

\$21,840

\$21,840

\$ 7,488

\$492,450

3rd Year

\$10.00

\$20,800

\$8,320

\$29,120

\$116,480

\$10,400

\$41,600

<u>\$10.50</u>

\$20,475

\$8,190

\$28,665

\$13,650

\$10.00

\$10,400

\$4,160

\$14,560

\$10,000

\$4,000

\$14,000

\$10.00

\$10,400

\$239,355

Year Three

\$355,000

\$177,500

\$99,528

\$77,972

\$15,000

\$6,000

\$21,000

\$9.50

\$9,880

\$227,252

Year Two

\$324,000

\$194,400

\$74,724

\$54,876

\$99,528

Est. Revenues

Est. Revenues

200

(260 days/year) Route 3 78,000 Each run is approximately 100 miles. 300

300

100

In order to develop a budget, it is necessary to project ridership and the resulting revenues. It is

support the system through contractual and/or trip vouchers, thus equating to increased ridership.

20

20

15

15

25

25

19

19

31

31

28

28

1 5+1 Passenger Van.....\$35,000

1 Base Station......\$17,500

7 Cellular Phones @ \$600 per phone.....\$ 4,200

5 Bike Racks @ \$600 per rack.....\$ 3,000

Computer system and related software.....\$ 6.500

costs are taken up by farebox revenues, contracts and local match.

Under the Michigan Department of Transportation's Regional Transit Program, State and Federal grant dollars cover a portion of the qualified operations costs. The first year 70% is covered, the second year 60% is covered and the third and subsequent years 50% of the system qualified operational costs are covered by the grant. The balance of the operational

1st Year

\$8.00/hr

\$16,640

\$6,656

\$23,296

\$93,154

\$8,320

\$33,280

\$9.00

\$17,550

\$7,020

\$24,570

\$11,700

\$9.00

\$ 9,360

\$ 3,744

\$13,104

2nd Year

\$9.00/hr

\$18,720

\$7,480

\$26,200

\$104,800

\$9,360

\$37,440

\$9.50

\$19,500

\$7,800

\$27,300

\$13,000

\$9.50

\$ 9,880

\$3,952

\$13,832

\$20,000

\$8,000

\$28,000

\$9.00

\$9,360

\$213,168

Year One

\$312,000

\$218,400

\$59,280

\$34,320

The recommended regional bus system is designed to transport people between communities with the buses crossing county lines. All of the counties being serviced by the regional system will need to provide letters of support with one county actually filing the regional transit grant application. During the start-up period, a multi-county transit committee, with representatives

from each county board, local municipality and agency participating in the program, would function as the administrative oversight committee. It is further recommended the committee should formally organize under P.A. 196 and establish a regional transit authority to support

anticipated that ridership will steadily increase each year as a result of an intensive marketing program. Also, human service agencies, currently providing independently operated transportation services, will

Est. Pass./Day

10 (3 times/week)

Est. Pass./Day

13 (3 times/week)

Est. Pass./Day

16 (3 times/week)

Capital costs for operating a regional transit system are covered by a 100 percent state and federal grant.

80

