### Madison In Motion

### Issues and Opportunities

Transportation Master Plan Oversight Committee June 18, 2015



### Madison In Motion

- Commute Mode Split Patterns
- Economic Patterns and Transportation Options
- Potential Park and Ride Locations



B08301: MEANS OF TRANSPORTATION TO WORK

Universe: Workers 16 years and over

ACS 1 Year Estimates

	Drove alone	Carpooled	Transit	Bike	Walked	Other	Nork at Home	
2013	87,023	10,387	13,596	6,707	15,087	1,108	4,980	138,888
2010	80,904	11,224	10,935	7,692	11,469	1,211	4,131	127,566
2006	78,174	11,198	10,501	4,379	11,702	877	3,282	120,113
	Drove alone	Carpooled	Transit	Bike	Walked	Other	Nork at Home	
2013	62.7%	7.5%	9.8%	4.8%	10.9%	0.8%	3.6%	100%
2010	63.4%	8.8%	8.6%	6.0%	9.0%	0.9%	3.2%	100%
2006	65.1%	9.3%	8.7%	3.6%	9.7%	0.7%	2.7%	100%
Change 2	2013-2006							
		1.00/	4.00/	4.00/	1.1%	0.1%	0.9%	
D000 1	-2.4%	-1.8%	1.0%	1.2%	1.170	0.176	0.976	
Universe:	P049: MEANS 0 Workers 16 year 1990 Decenial 0	DF TRANSPOI rs and over Census	RTATION TO	) WORK				
Universe: 2000 and	P049: MEANS ( Workers 16 year 1990 Decenial C Drove alone	OF TRANSPO rs and over Census Carpooled	RTATION TO Transit	) WORK Bike	Walked	Other	Nork at Home	110 707
Universe:	P049: MEANS 0 Workers 16 year 1990 Decenial 0	OF TRANSPO rs and over Census Carpooled 11,477	RTATION TO Transit 8,340	) WORK Bike 3,814	Walked 12,755	Other 946	Nork at Home 3,675	119,707 105,887
Universe: 2000 and <b>2000</b>	P049: MEANS ( Workers 16 year 1990 Decenial C Drove alone 78,700	OF TRANSPO rs and over Census Carpooled	RTATION TO Transit	) WORK Bike	Walked	Other	Nork at Home	
Universe: 2000 and <b>2000</b>	P049: MEANS ( Workers 16 year 1990 Decenial C Drove alone 78,700	OF TRANSPOI rs and over Census Carpooled 11,477 12,275	RTATION TO Transit 8,340	) WORK Bike 3,814	Walked 12,755	Other 946	Nork at Home 3,675	
Universe: 2000 and <b>2000</b>	P049: MEANS ( Workers 16 year 1990 Decenial C Drove alone 78,700 64,787	OF TRANSPOI rs and over Census Carpooled 11,477 12,275	RTATION TO Transit 8,340 7,920	Bike 3,814 3,547	Walked 12,755 13,447	Other 946 1,067	Nork at Home 3,675 2,844	
Universe: 2000 and 2000 1990	P049: MEANS ( Workers 16 year 1990 Decenial C Drove alone 78,700 64,787  Drove alone	OF TRANSPOI rs and over Census Carpooled 11,477 12,275 Carpooled	Transit 8,340 7,920 Transit	Bike 3,814 3,547 Bike	Walked 12,755 13,447 Walked	Other 946 1,067 Other	Nork at Home 3,675 2,844 Nork at Home	105,887
Universe: 2000 and 2000 1990 2000 1990	P049: MEANS ( Workers 16 year 1990 Decenial C Drove alone 78,700 64,787  Drove alone 65.7%	DF TRANSPOI rs and over Census Carpooled 11,477 12,275 Carpooled 9.6%	Transit 8,340 7,920  Transit 7.0%	Bike 3,814 3,547 Bike 3.2%	Walked 12,755 13,447 Walked 10.7%	Other 946 1,067 Other 0.8%	Nork at Home 3,675 2,844 Nork at Home 3.1%	105,887



#### **B08101: MEANS OF TRANSPORTATION TO WORK BY AGE**

Universe: Workers 16 years and over

ACS 1 Year Estimates

2013	Drove alone	Carpool	Transit	Walk	Other	Home	
	87,023	10,387	13,596	15,087	7,815	4,980	138,888
16 to 19 years	2,829	97	738	1,603	536	191	5,994
20 to 24 years	11,130	1,771	3,576	6,876	2,070	499	25,922
25 to 44 years	42,546	5,435	6,301	4,427	3,337	2,584	64,630
45 to 54 years	14,744	1,850	1,539	732	775	707	20,347
55 to 59 years	6,551	829	739	643	611	180	9,553
60 to 64 years	5,227	320	431	484	236	227	6,925
65 years and over	3,996	85	272	322	250	592	5,517
16 to 19 years	47.2%	1.6%	12.3%	26.7%	8.9%	3.2%	100.0%
20 to 24 years	42.9%	6.8%	13.8%	26.5%	8.0%	1.9%	100.0%
25 to 44 years	65.8%	8.4%	9.7%	6.8%	5.2%	4.0%	100.0%
45 to 54 years	72.5%	9.1%	7.6%	3.6%	3.8%	3.5%	100.0%
55 to 59 years	68.6%	8.7%	7.7%	6.7%	6.4%	1.9%	100.0%
60 to 64 years	75.5%	4.6%	6.2%	7.0%	3.4%	3.3%	100.0%
65 years and over	72.4%	1.5%	4.9%	5.8%	4.5%	10.7%	100.0%

Change: 2005-2013	Drove alone	Carpool	Transit	Walk	Other	Home	
	7,345	1,174	5,312	6,174	2,202	981	_
16 to 19 years	-12.3%	-7.8%	-1.4%	13.4%	6.3%	1.7%	2,034
20 to 24 years	-16.7%	1.9%	3.5%	7.0%	3.6%	0.7%	6,109
25 to 44 years	-5.8%	0.1%	4.5%	1.2%	-0.6%	0.6%	9,685
45 to 54 years	3.2%	-0.6%	-1.5%	-1.2%	-0.7%	0.7%	-2,733
55 to 59 years	-1.6%	-1.5%	1.3%	5.8%	1.9%	-5.9%	1,895
60 to 64 years	-7.6%	2.7%	2.1%	-0.5%	1.5%	1.8%	3,582
65 years and over	3.6%	-6.1%	2.3%	5.8%	3.2%	-8.7%	2,616



B08105A-I: MEANS OF TRANSPORTATION TO WORK BY RACE

Universe: Workers 16 years and over in households

ACS 1 Year Estimates

2013 White Black Asian Other Two or More Races White Not Hispanic Hispanic

Drove alone	Carpooled	Transit	Walked	Other	Work at Home	
64.7%	6.4%	8.1%	10.9%	6.1%	3.9%	100%
53.2%	18.2%	20.4%	3.1%	4.4%	0.7%	100%
55.5%	12.1%	19.5%	8.7%	0.4%	3.8%	100%
-	-	-	-	-	-	
41.3%	5.2%	9.2%	35.6%	6.2%	2.5%	100%
65.4%	5.6%	8.0%	10.8%	6.2%	4.0%	100%
50.2%	19.3%	12.6%	12.4%	4.7%	0.8%	100%

Change 2013-2005

White Black Asian Two or More Races White Not Hispanic Hispanic

Drove alone	Carpooled	Transit	Walked	Other	Work at Home
-4.2%	-0.8%	1.3%	2.7%	1.0%	0.0%
-15.9%	0.3%	13.0%	2.0%	0.8%	-0.2%
-9.8%	-0.5%	8.5%	5.2%	-4.7%	1.2%
-	-	-	-	-	-
-3.6%	-1.7%	1.5%	2.6%	1.0%	0.2%
-19.9%	12.4%	-0.1%	4.9%	2.9%	-0.2%



B08122: MEANS OF TRANSPORTATION TO WORK BY POVERTY STATUS IN THE PAST 12 MONTHS Universe: Workers 16 years and over for whom poverty status is determined ACS 1 Year Estimates

### 2013 % of Poverty Level Below 100% 100-149% At or above 150%

Drove alone	Carpooled	Transit	Walked	Other	Nork at Home
86,431	10,334	13,396	13,527	7,767	4,812
6,851	1,376	2,444	5,519	1,873	582
5,256	1,314	1,684	1,365	656	202
74,324	7,644	9,268	6,643	5,238	4,028

18,645 10,477

107,145

% of Poverty Level Below 100% 100-149% At or above 150%

Drove alone	Carpooled	Transit	Walked	Other	Nork at Home	
36.7%	7.4%	13.1%	29.6%	10.0%	3.1%	100%
50.2%	12.5%	16.1%	13.0%	6.3%	1.9%	100%
69.4%	7.1%	8.6%	6.2%	4.9%	3.8%	100%

Change 2013-2005 % of Poverty Level Below 100% 100-149% At or above 150%

Drove alone	Carpooled	Transit	Walked	Other	Nork at Home
-12.5%	5.3%	0.1%	-0.4%	5.9%	1.6%
-9.9%	7.7%	8.1%	1.4%	-5.5%	-1.9%
-3.1%	-1.9%	2.4%	2.1%	0.4%	0.0%



B08201: HOUSEHOLD SIZE BY VEHICLES AVAILABLE

Universe: Households

ACS 1 Year Estimates 2013, 2010 2005

2013		Houshold Size			
		1	2	3	4+
Total Hous	Total Households		37,988	12,779	14,967
	0	8,894	3,792	707	1,009
Vehicles	1	30,147	12,190	2,594	3,562
Available -	2	2,457	19,058	6,738	7,732
	3	118	2,415	2,216	1,411
	4+	74	533	524	1,253

2013		Houshold Size				
		1	2	3	4+	
	0	21.3%	10.0%	5.5%	6.7%	
Vehicles	1	72.3%	32.1%	20.3%	23.8%	
Available	2	5.9%	50.2%	52.7%	51.7%	
Available	3	0.3%	6.4%	17.3%	9.4%	
	4+	0.2%	1.4%	4.1%	8.4%	

#### Change 2013-2005

		Houshold Size			
		1	2	3	4+
	0	-1.4%	4.2%	2.9%	1.9%
Vehicles	1	4.2%	7.0%	-5.6%	6.9%
Available	2	-0.1%	-11.0%	4.2%	-2.1%
Available	3	-1.4%	-0.5%	-2.1%	-5.4%
	4+	-1.4%	0.3%	0.7%	-1.3%

B25044: TENURE BY VEHICLES AVAILABLE Universe: Occupied housing units

ACS 1 Year Estimates 2013, 2010 2005

#### 2013

			Owner Occupied	Renter Occupied
	Total Households		50,518	56,906
		0	998	13,404
	Vehicles	1	19,415	29,078
	Available	2	23,979	12,006
	Available	3	4,150	2,010
		4+	1,976	408

#### 2013

		Owner Occupied	Renter Occupied
Vehicles Available	0	2.0%	23.6%
	1	38.4%	51.1%
	2	47.5%	21.1%
	3	8.2%	3.5%
	4+	3.9%	0.7%

#### Change 2013-2005

#### Owner Occupied Renter Occupied

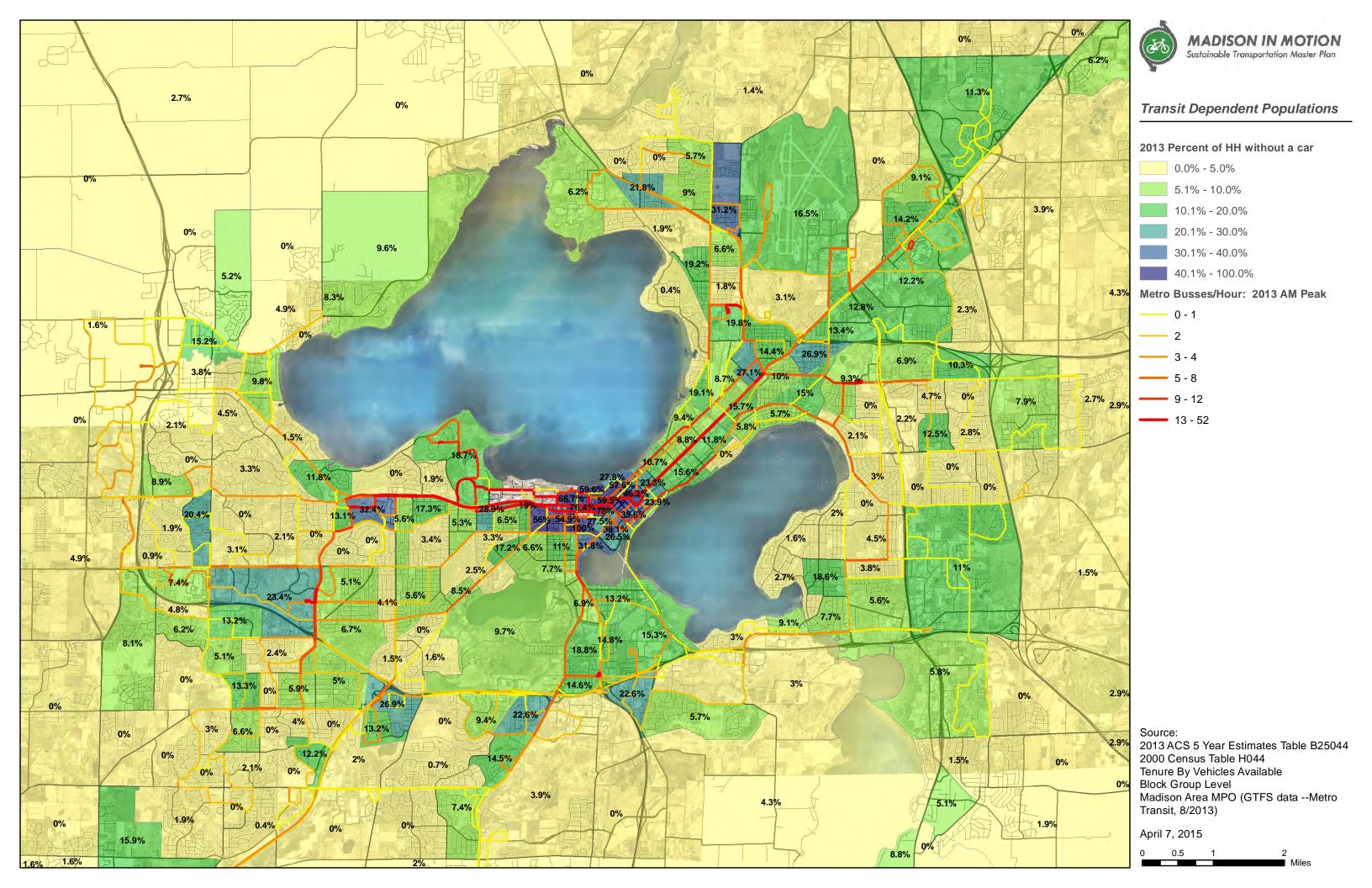
Vehicles Available	0	-0.1%	3.6%
	1	8.3%	2.7%
	2	-5.3%	-3.5%
	3	-3.1%	-1.4%
	4+	0.2%	-1.3%

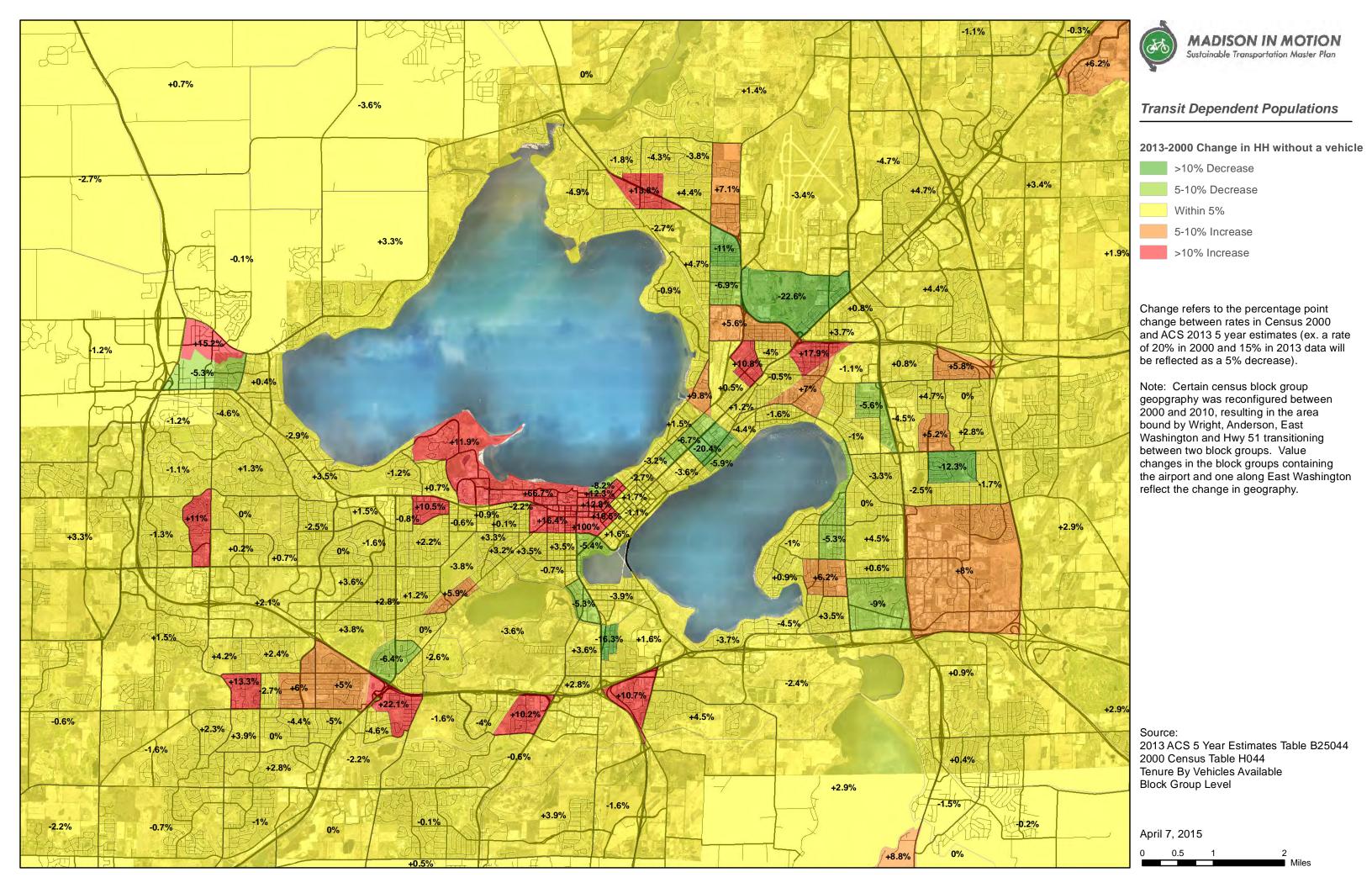


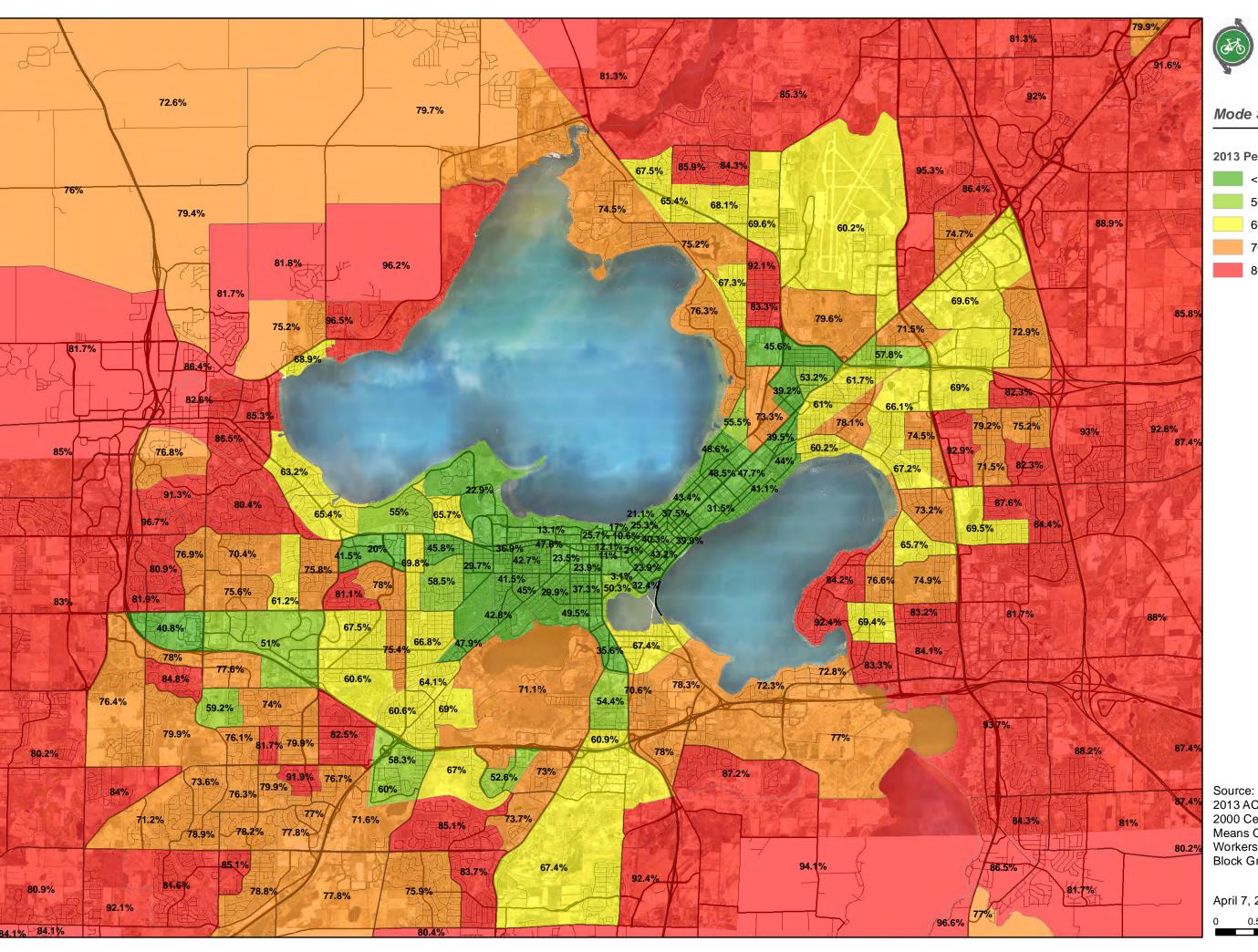
# Mode Split – Geographic Patterns

• Census/ACS 5 year data at block group level











### Mode Split - Journey to Work

2013 Percent Drove to Work

<50.0%

50.1% - 60.0%

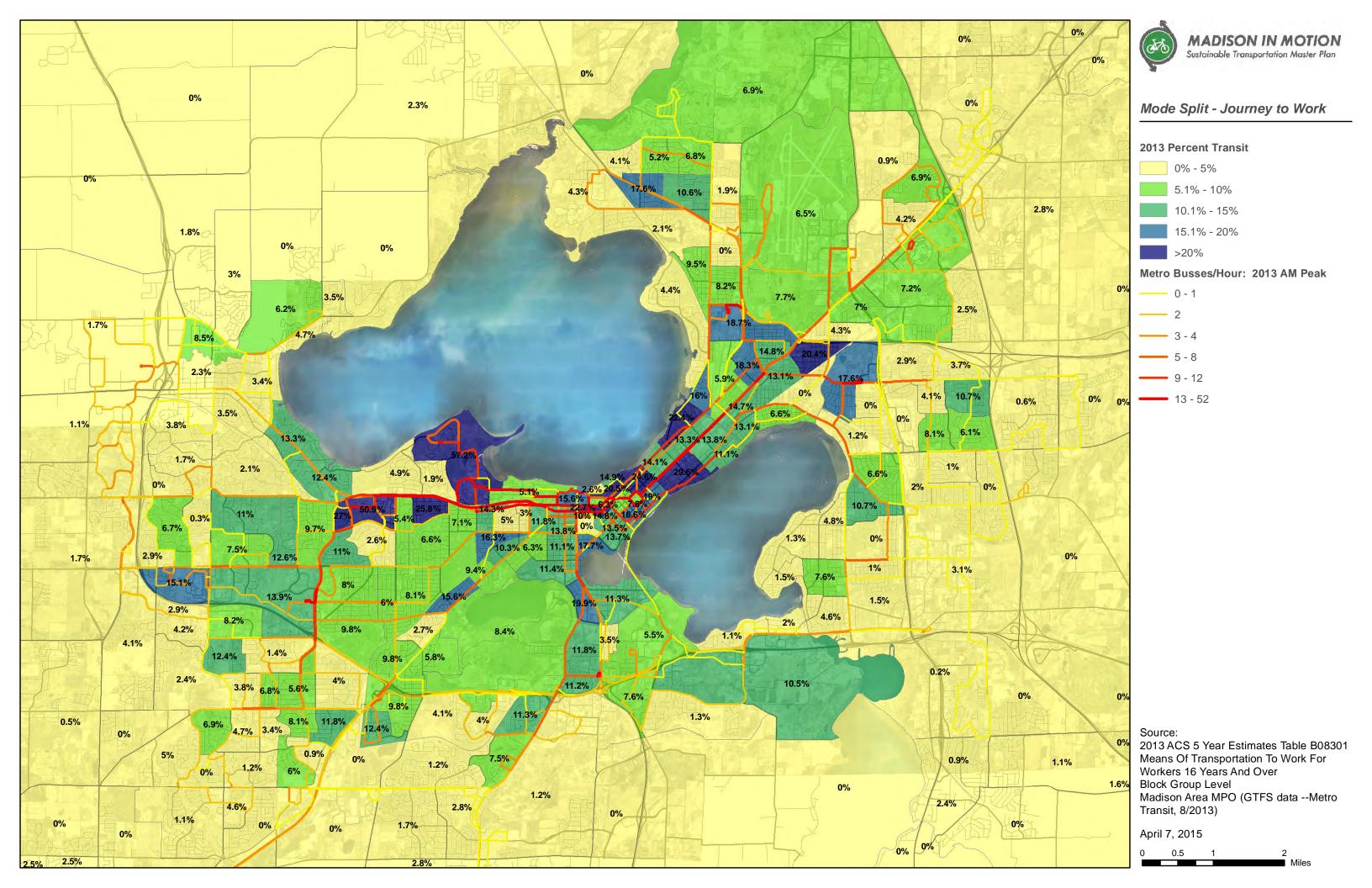
60.1% - 70.0%

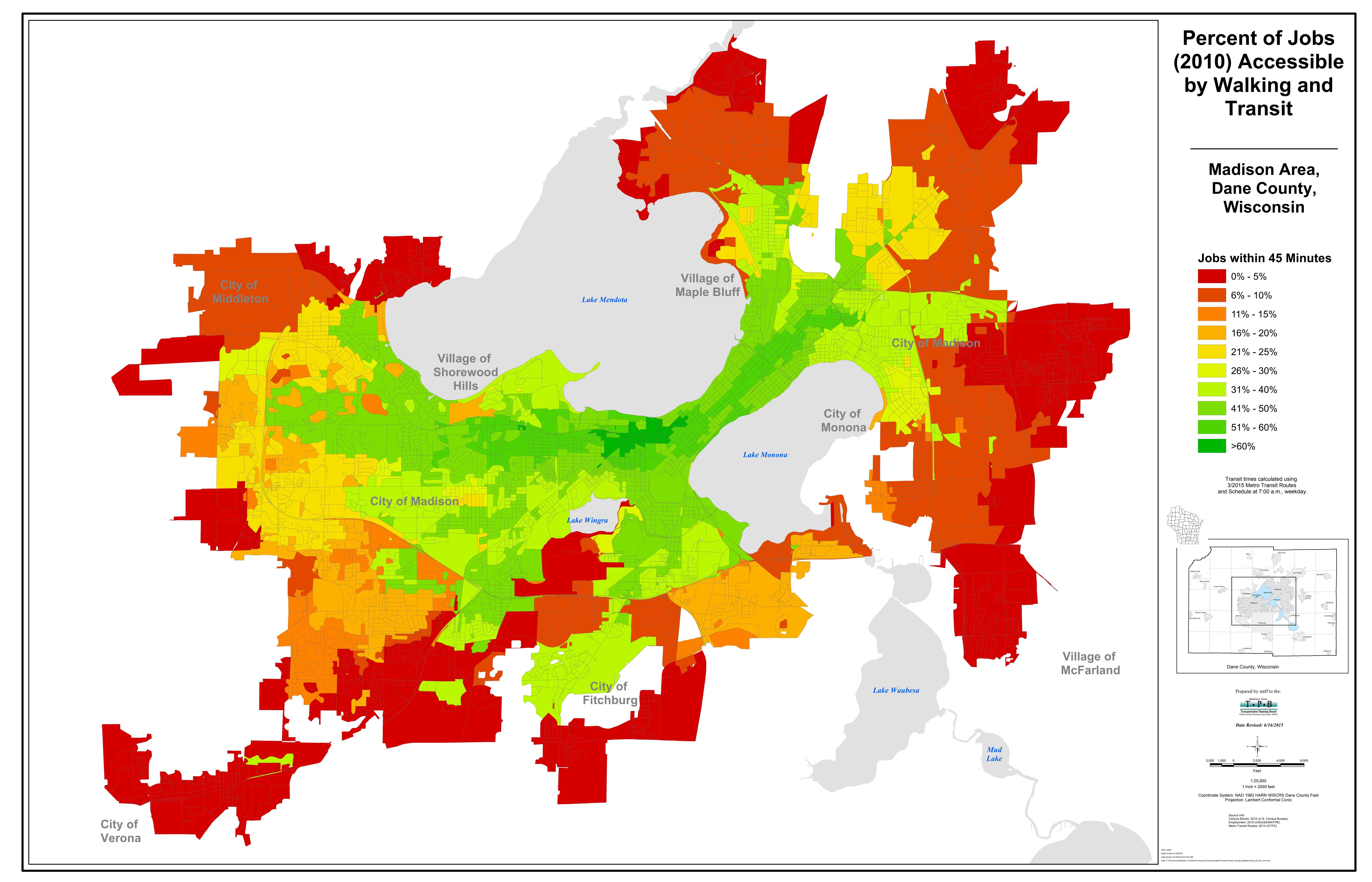
70.1% - 80.0%

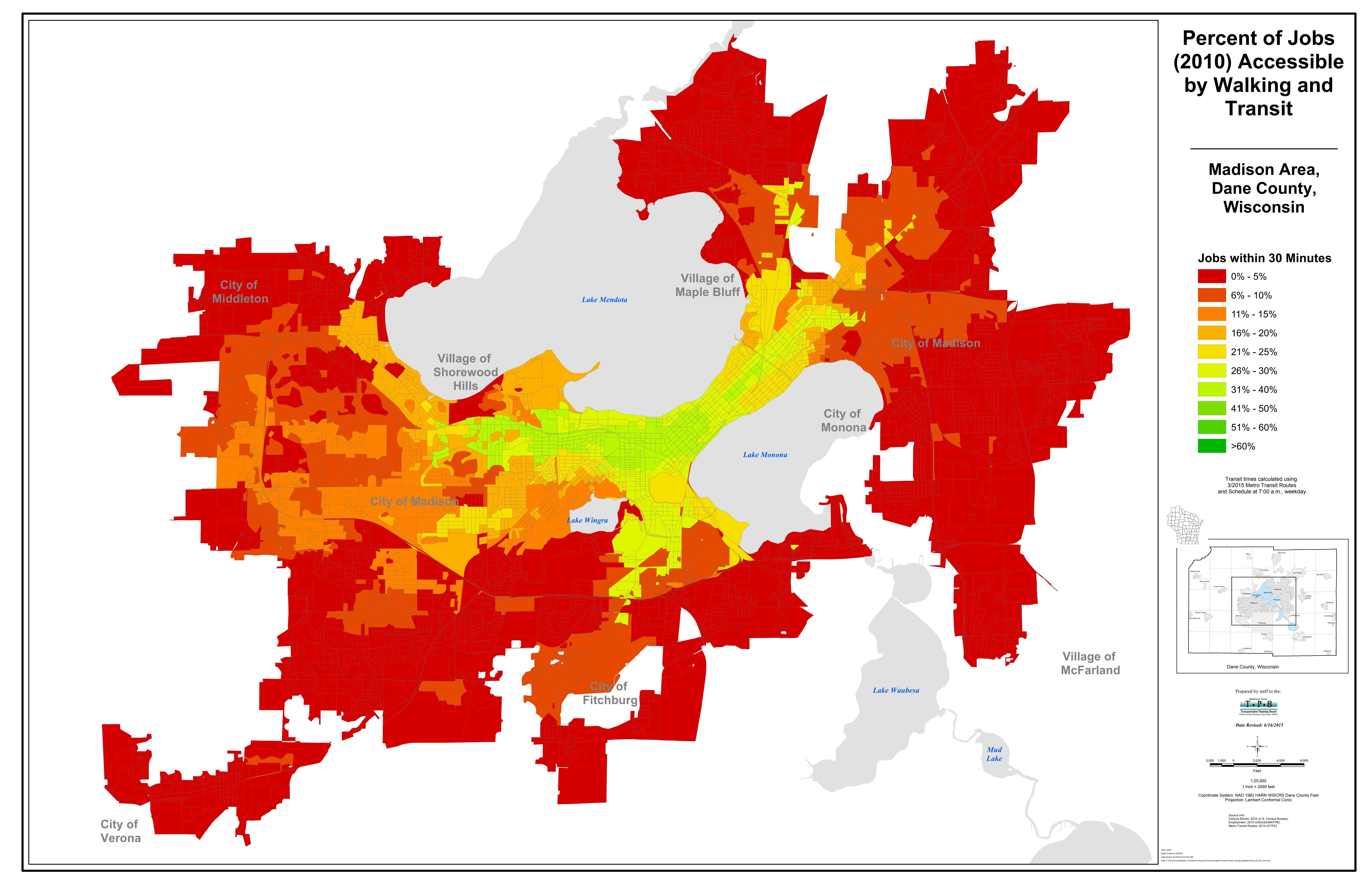
80.1% - 100.0%

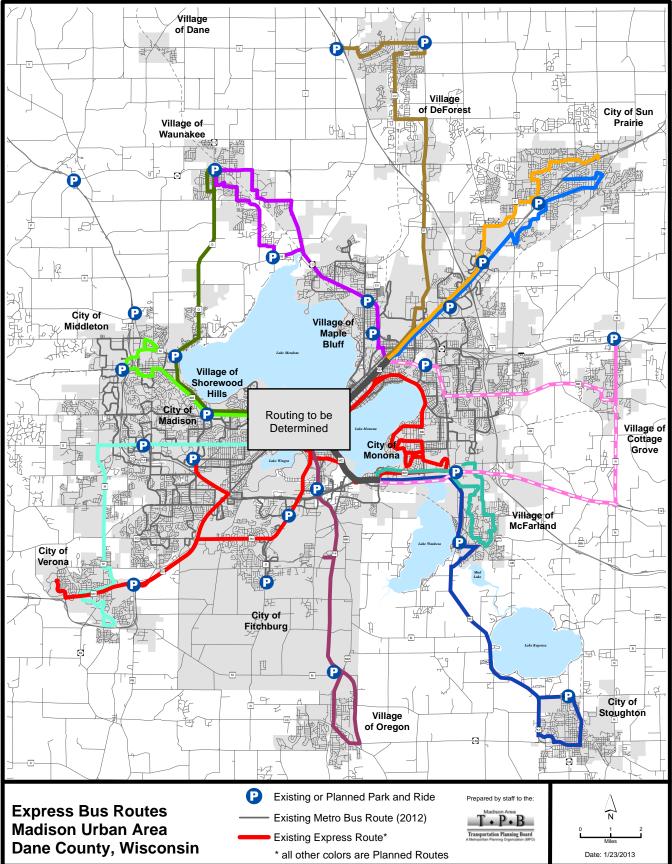
2013 ACS 5 Year Estimates Table B08301 2000 Census Table P030 Means Of Transportation To Work For Workers 16 Years And Over Block Group Level

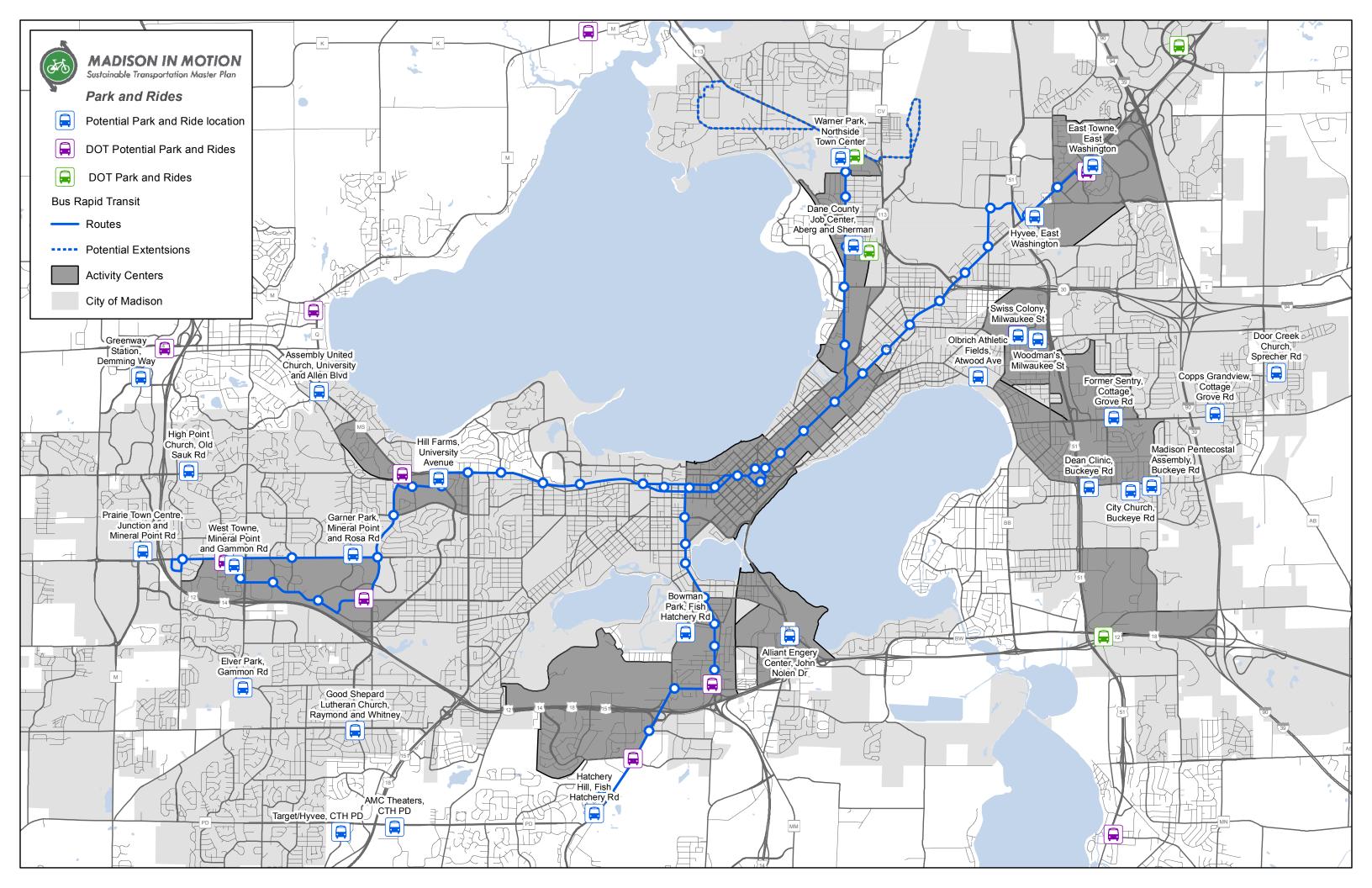
April 7, 2015

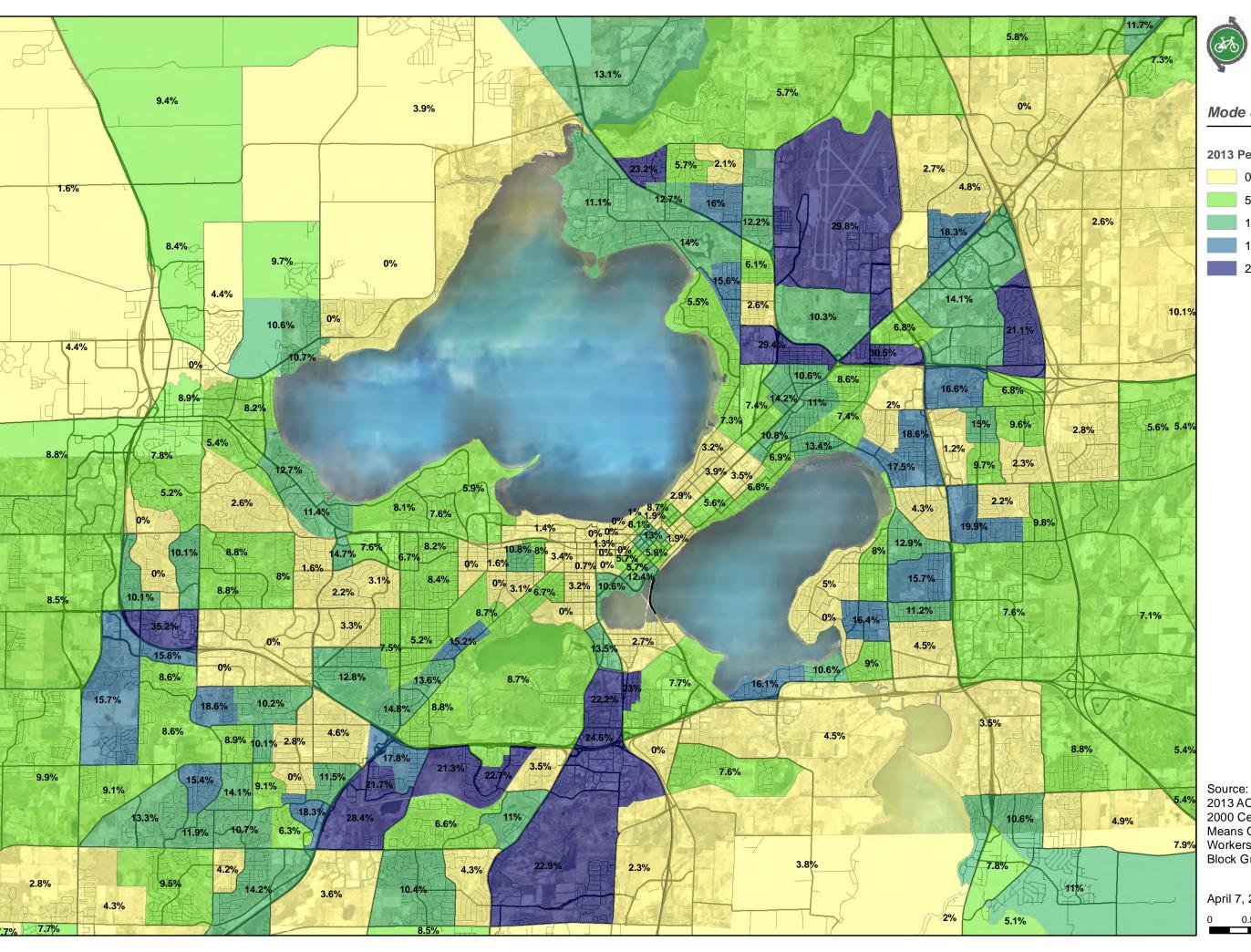














### Mode Split - Journey to Work



0% - 5%

5.1% - 10%

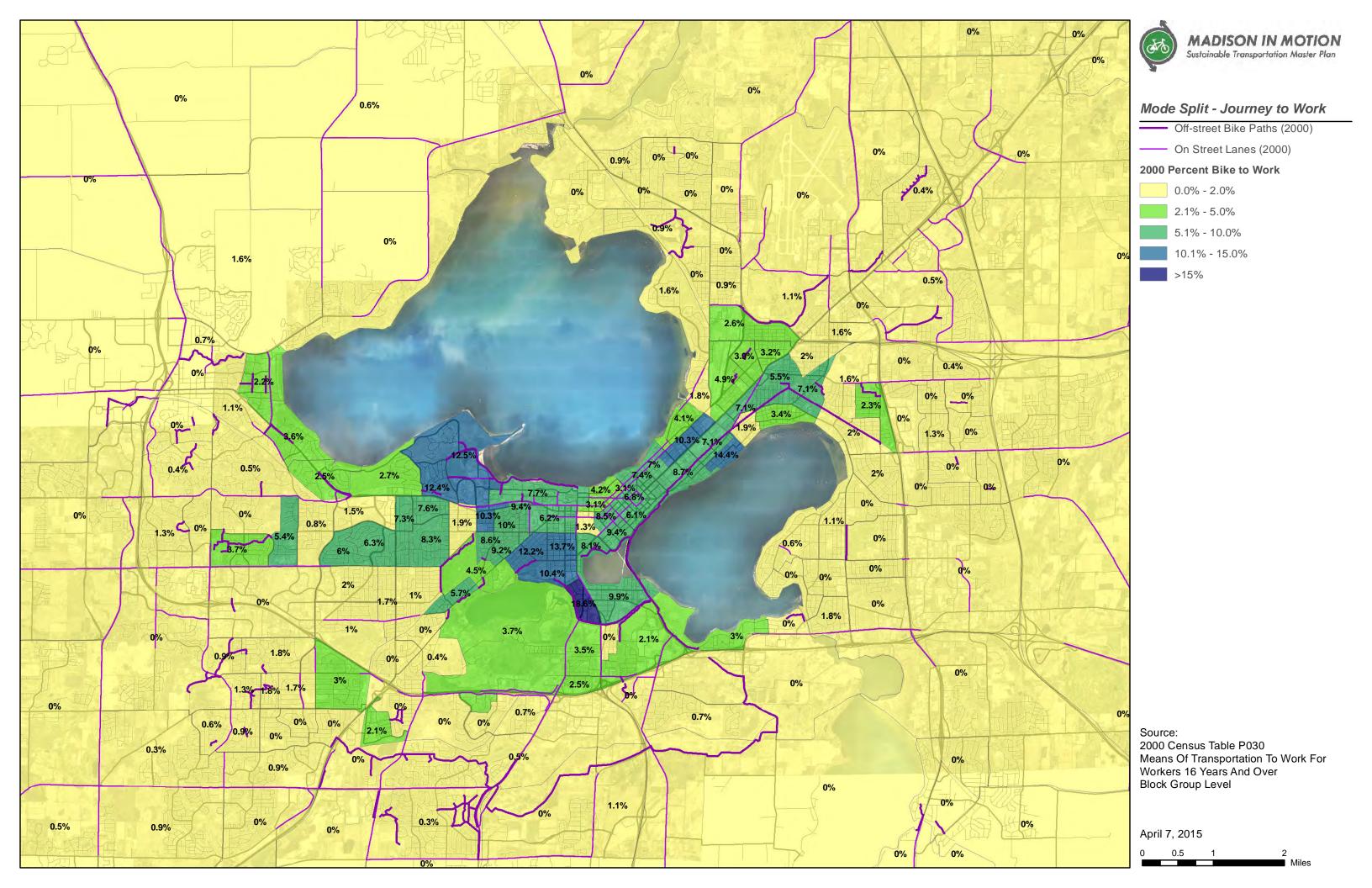
10.1% - 15%

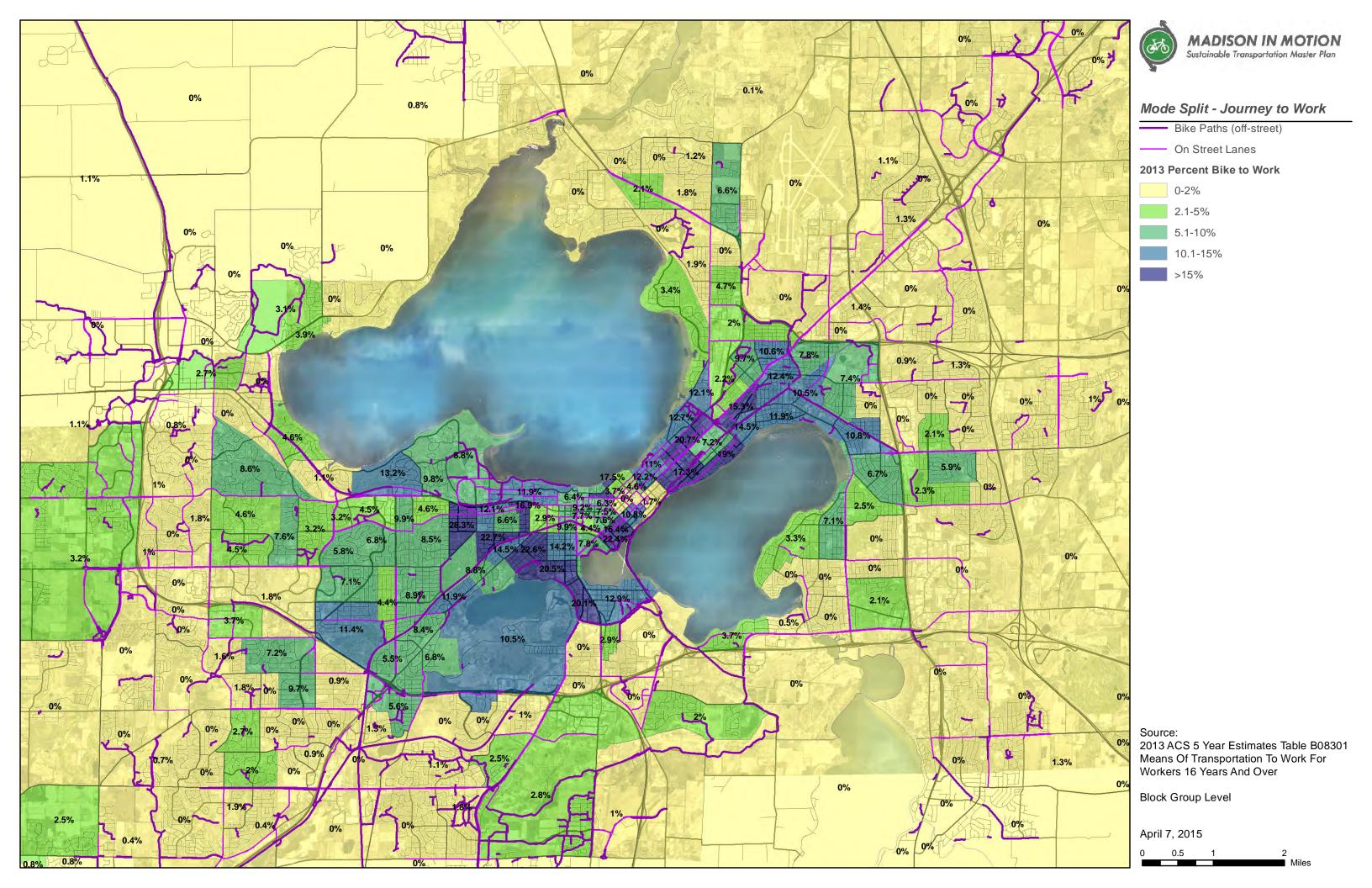
15.1% - 20%

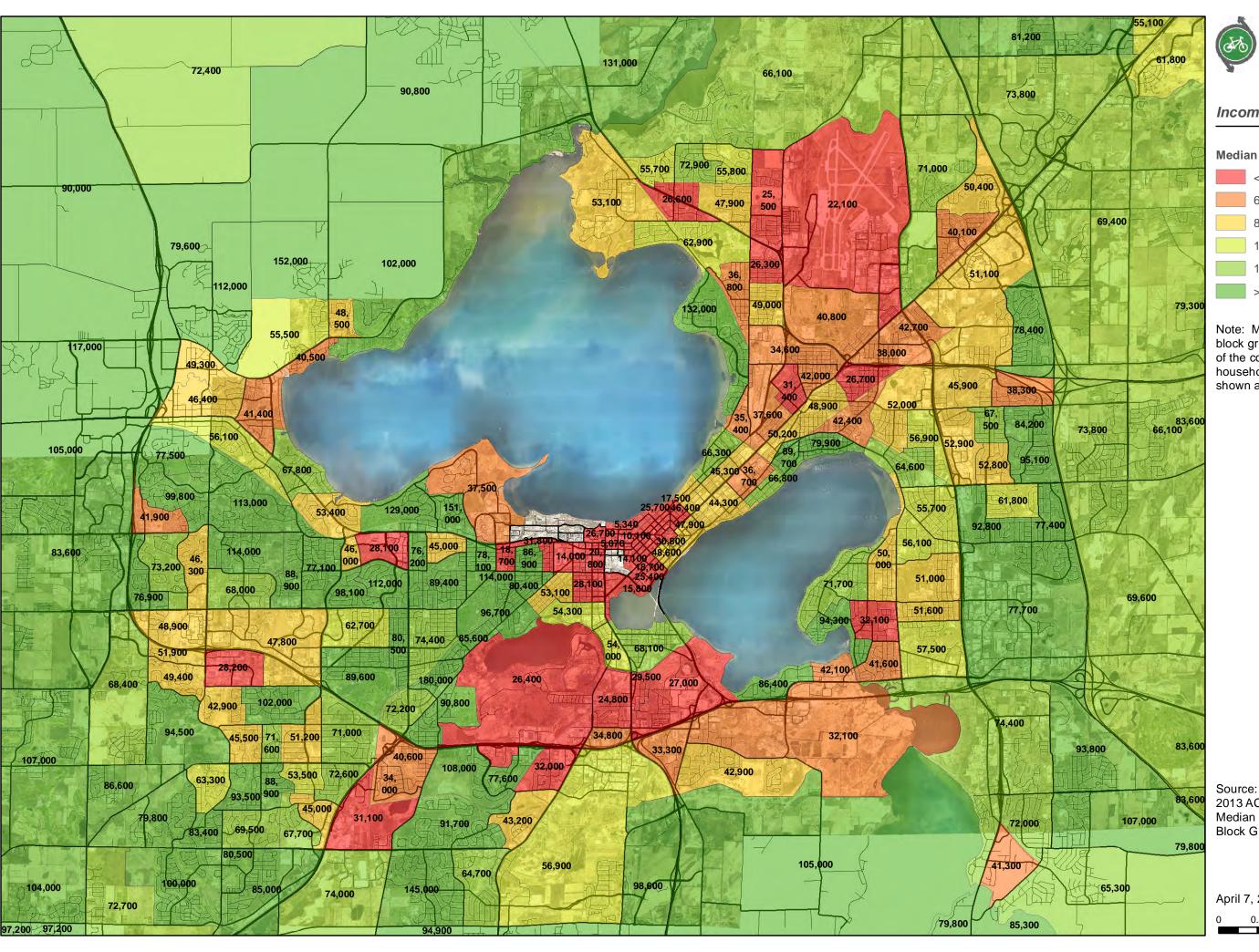
20.1% - 35.2%

2013 ACS 5 Year Estimates Table B08301 2000 Census Table P030 Means Of Transportation To Work For Workers 16 Years And Over Block Group Level

April 7, 2015









#### Income

### Median Income - 2013 ACS 5 Year Data

<60% of County Median

61% - 80% of County Median

81% - 100% of County Median

101% - 120% of County Median

121% - 140% of County Median

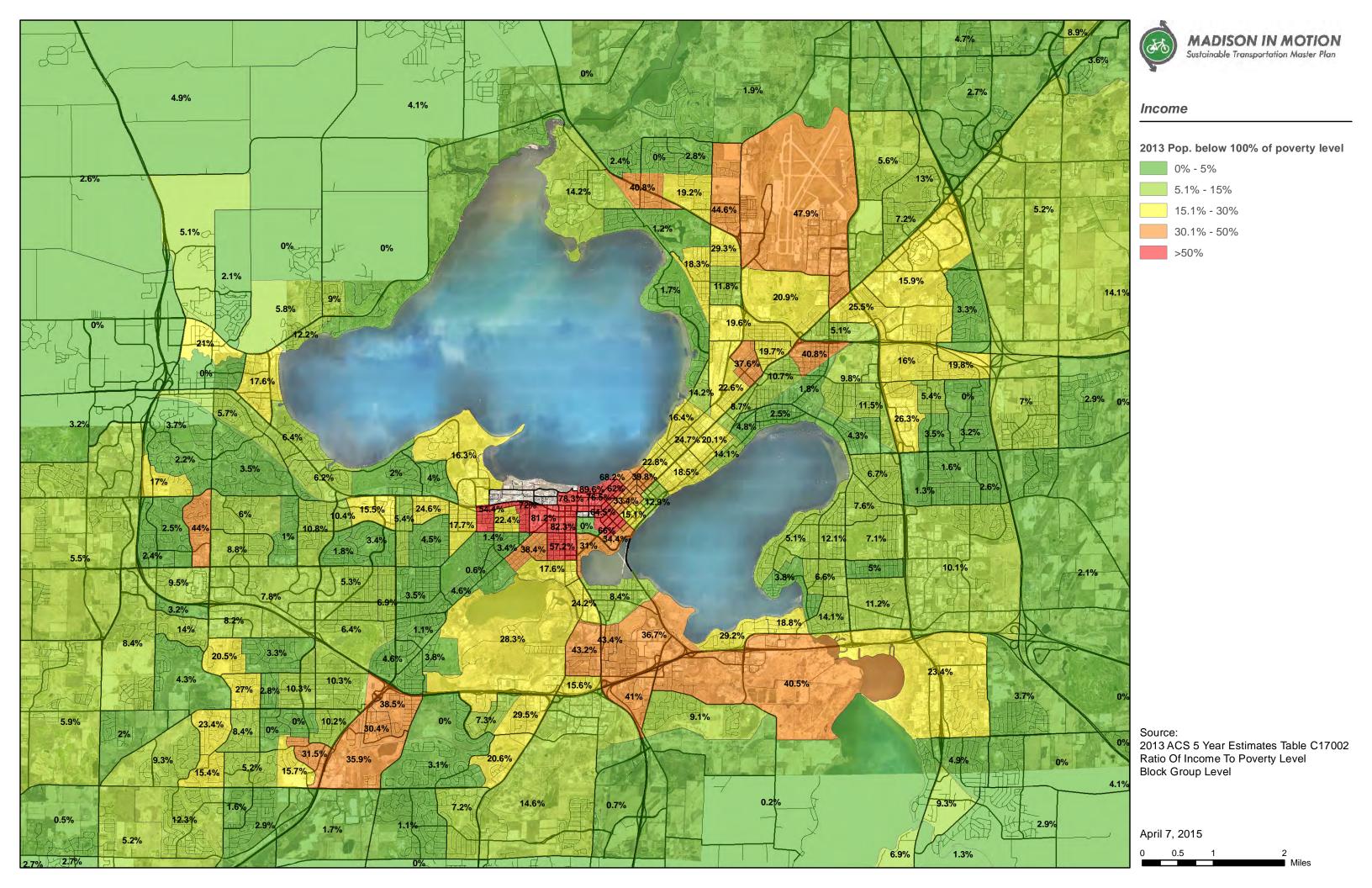
>140% of County Median

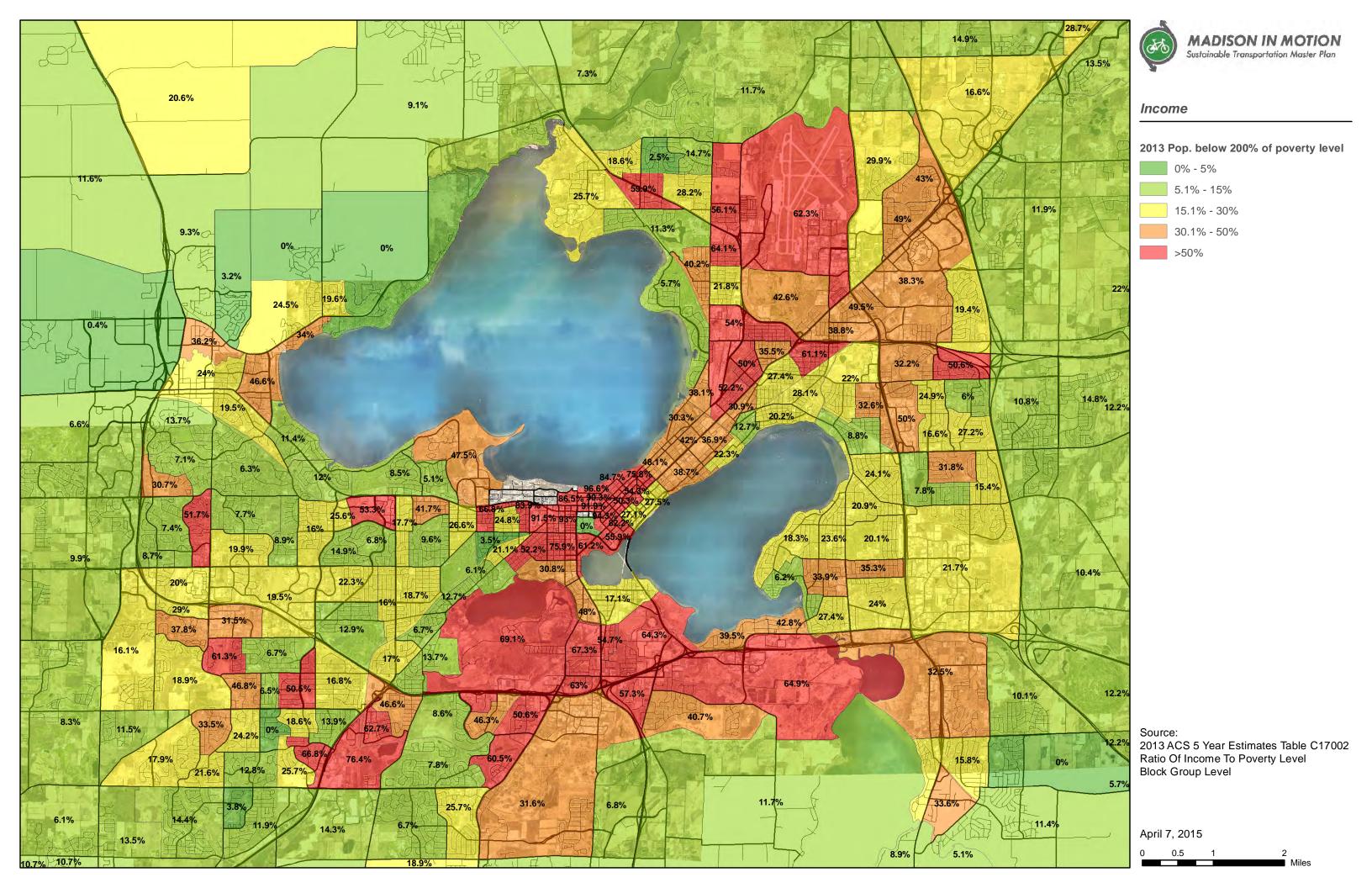
Note: Median household income of the block groups is displayed as a percentage of the county median income. The median household incomes for block groups are shown as the label.

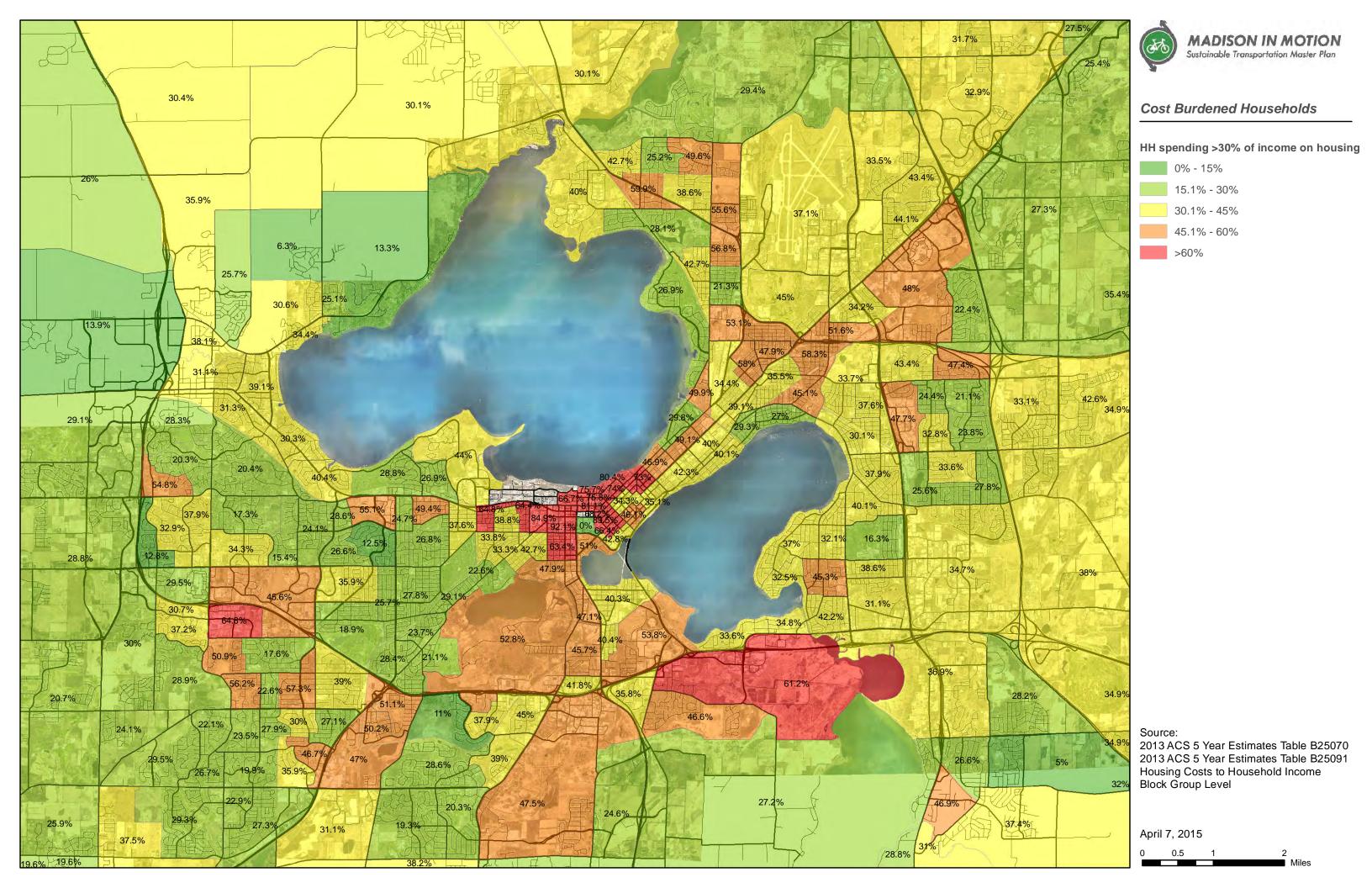
2013 ACS 5 Year Estimates Table B19013 Median Household Income Block Group and County Level

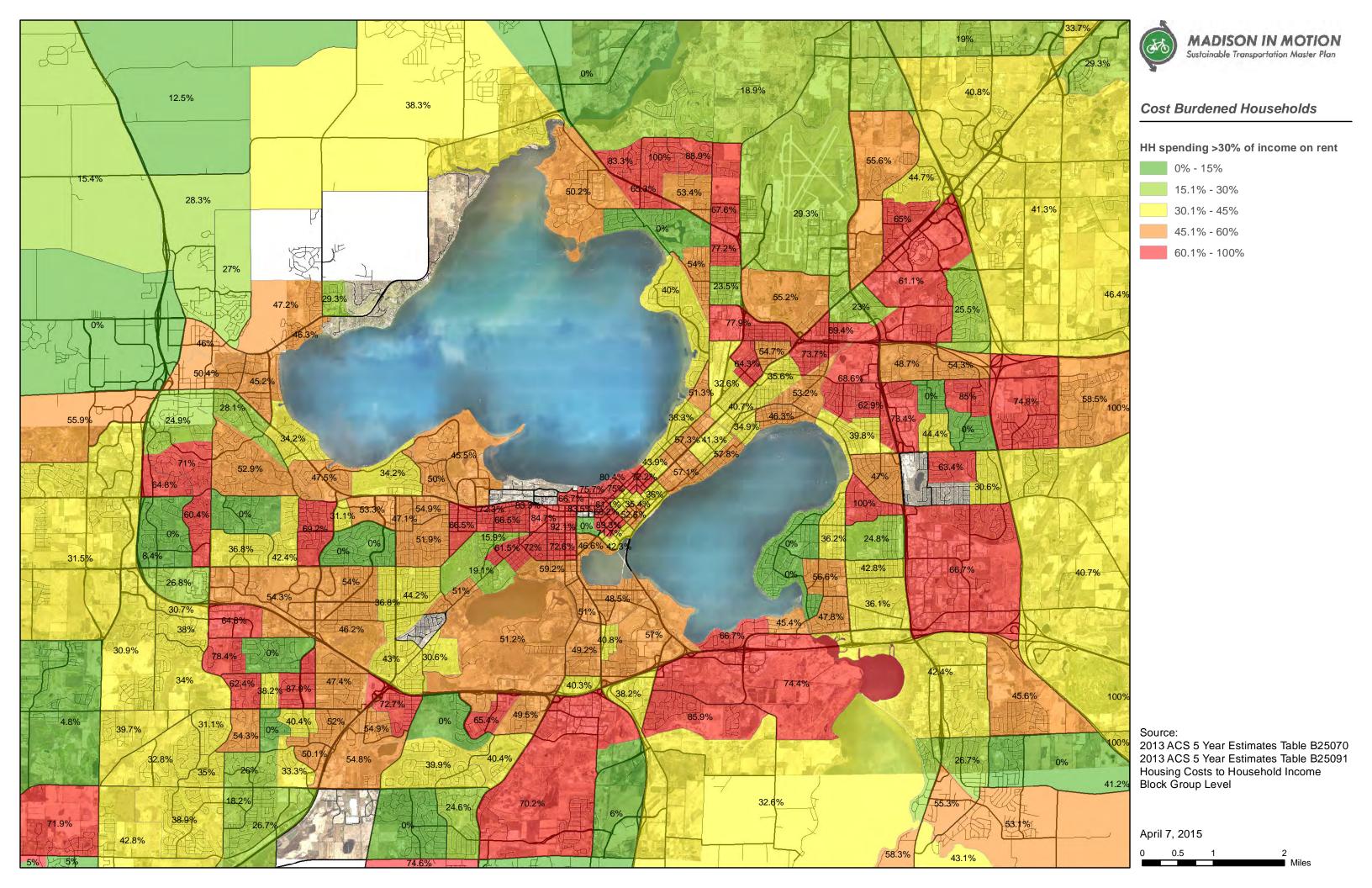
April 7, 2015

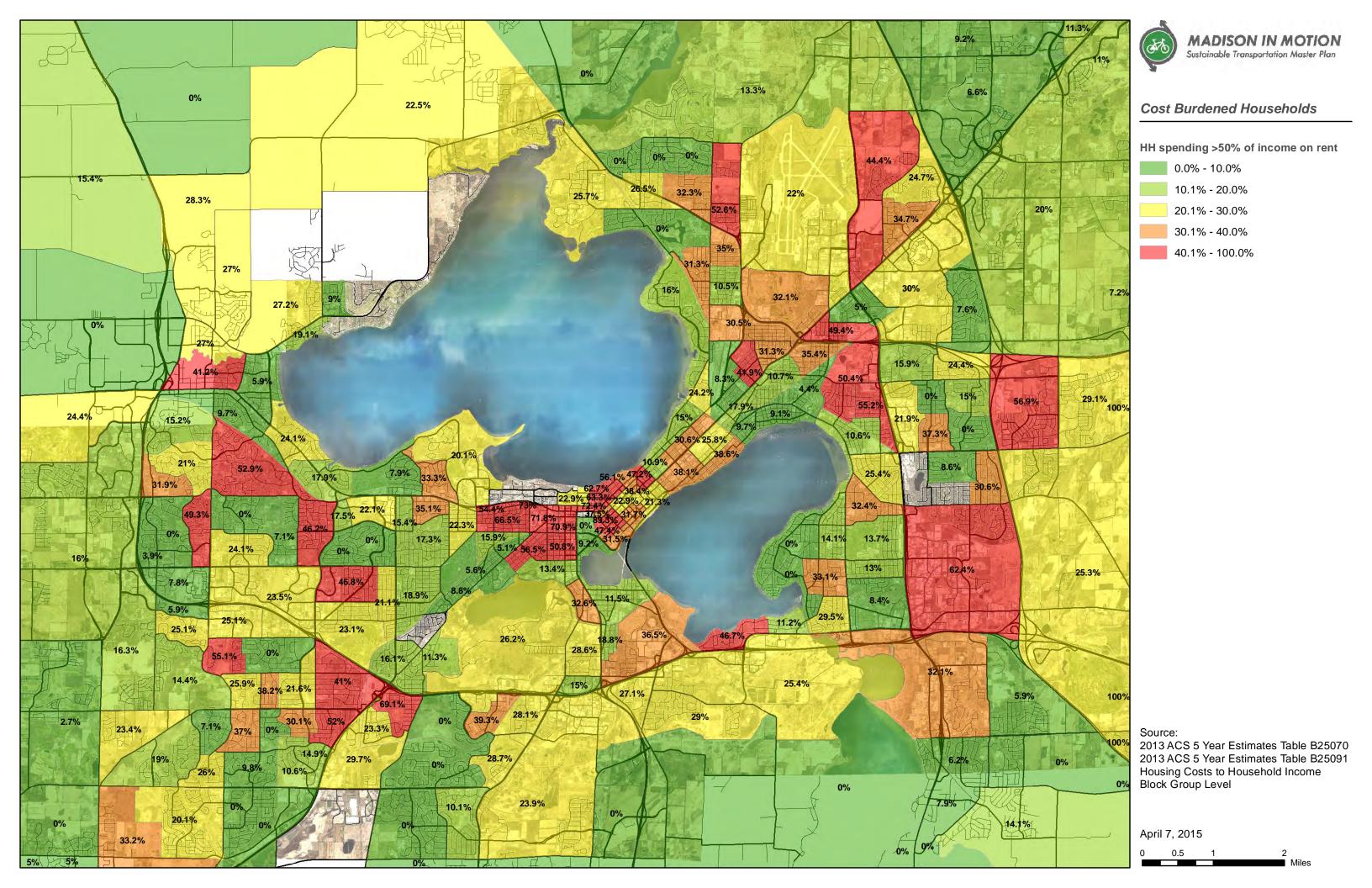
0.5

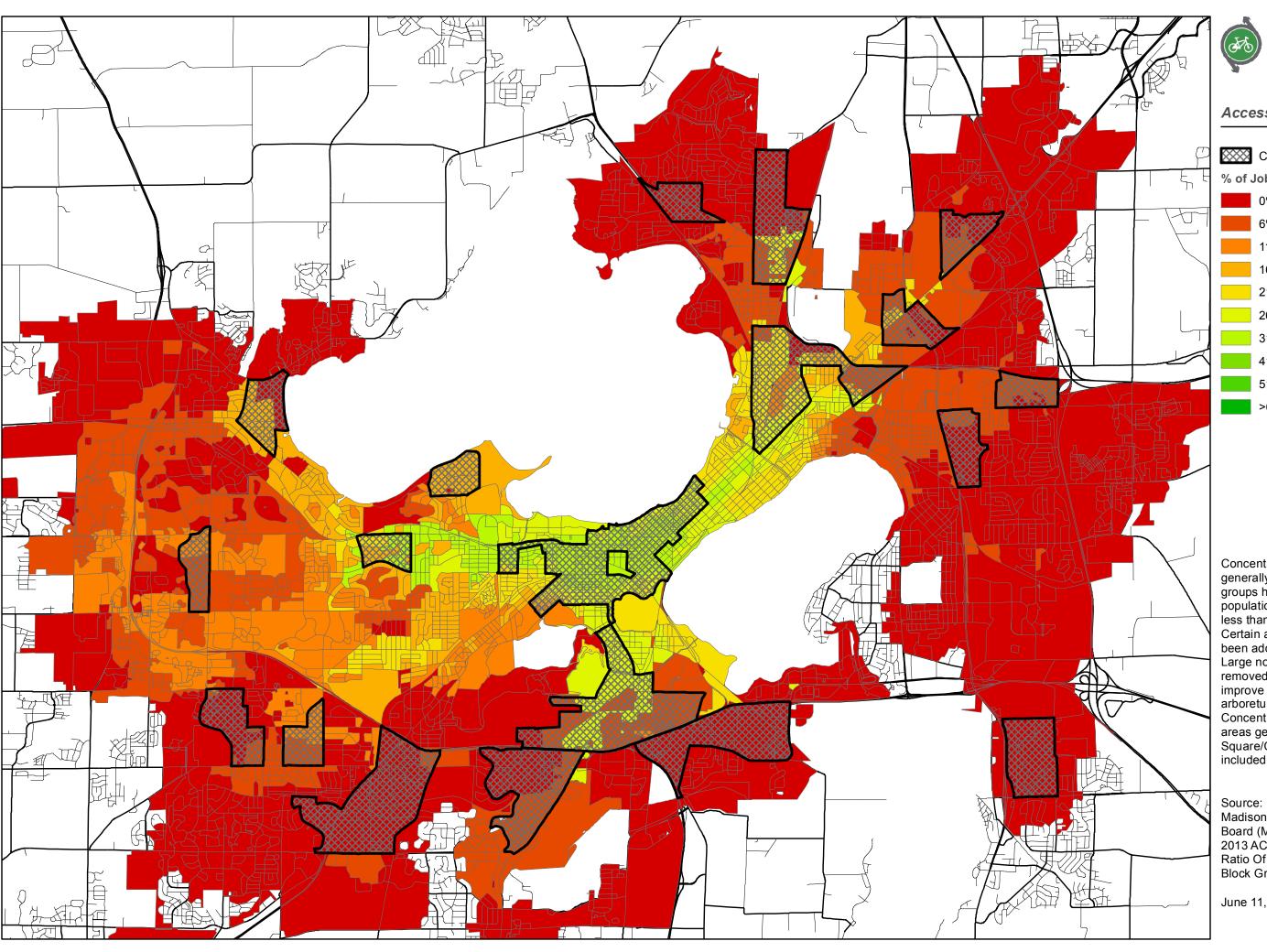














### Access to Opportunity

Concentrated Low Income Areas % of Jobs within 30 Minutes via Transit

0% - 5%

6% - 10%

11% - 15%

16% - 20%

21% - 25%

26% - 30%

31% - 40%

41% - 50%

51% - 60%

>60%

Concentrated low income areas are generally comprised of census block groups having greater than 50% of the population in a household with an income less than 200% of the poverty level. Certain areas below this threshold have been added based on staffs judgement. Large non-residential areas have been removed from certain block groups to improve focus of diagram (airport, arboretum, etc.).

Concentrated low income areas located in areas generally well servied by transit (ie Square/Central Madison) were not included in this analysis.

Madison Area Transportation Planning Board (MPO)

2013 ACS 5 Year Estimates Table C17002 Ratio Of Income To Poverty Level Block Group Level

June 11, 2015

