MAPA

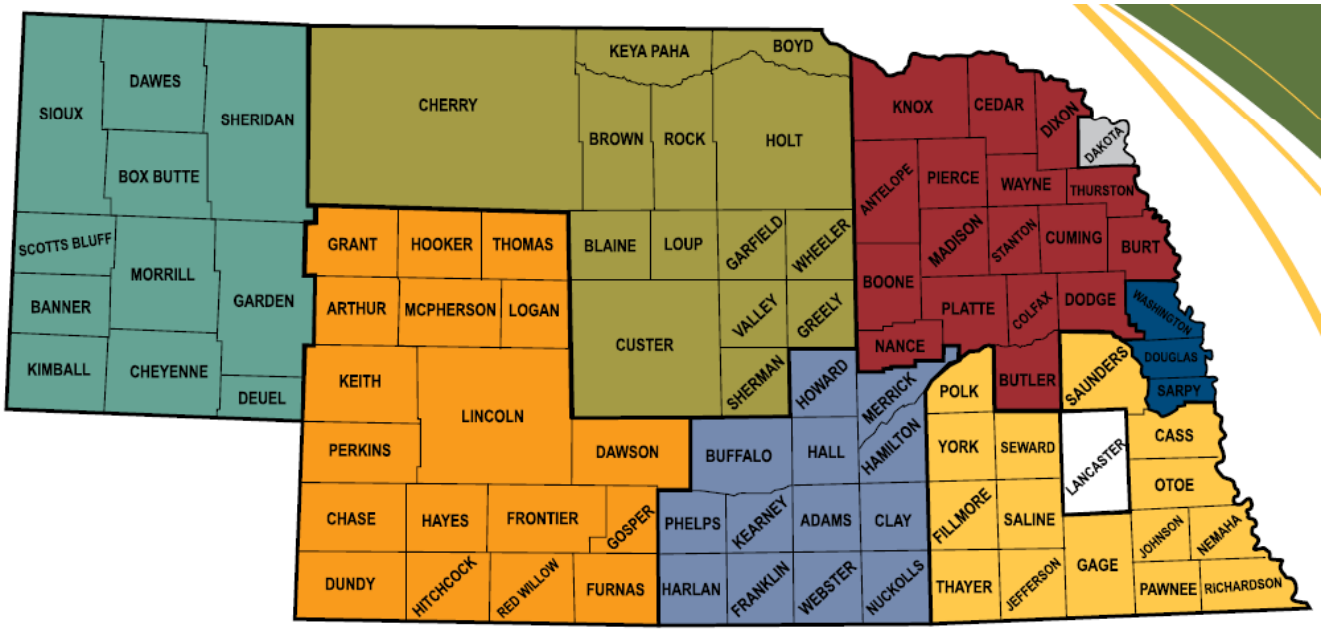
Nebraska GIS Council

December 4th, 2013

MAPA Region

NEBRASKA
IOWA
WASHINGTON COUNTY
Herman
Blair
Kennard
Arlington
Fort Calhoun
Washington
DOUGLAS COUNTY
Bennington
Valley
Waterloo
Carter Lake
Omaha
Boys Town
Ralston
La Vista
Gretna
Papillion
SARPY COUNTY
Springfield
Bellevue
POTTAWATTAMIE COUNTY
Neola
Minden
Avoca
Walnut
Underwood
Hancock
Crescent
McClelland
Oakland
Carson
Council Bluffs
Treynor
Macedonia
MILLS COUNTY
Silver City
Henderson
Glenwood
Hastings
Pacific Junction
Malvern
Emerson

Nebraska Regional Officials Council



- Panhandle Area Development District
- Central Nebraska Economic Development District
- West Central Nebraska Development District
- South Central Economic Development District
- Northeast Nebraska Economic Development District
- Siouxland Interstate Metro. Planning Council
- Southeast Nebraska Development District
- Metropolitan Area Planning Agency
- Lancaster County

SCEDD
SOUTH CENTRAL ECONOMIC DEVELOPMENT DISTRICT
Ask us...we can help.

What is an Economic Development District?
State Perspective

NE Statute 13-1904. Development district; duties.
A development district shall, as directed by its policy board, **serve as a regional resource center and provide planning, community and economic development, and technical assistance to local governments** which are members of the district and may provide assistance to industrial development organizations, tourism promotion organizations, community development groups, and similar organizations upon request.

MAPA

Council of Officials
Policy Body

Board of Directors
Governing Body

Heartland 2050 Steering Committee

EDD Board

Transportation Technical Advisory Committee (TTAC)

Coordinated Transit Committee

Data Resources Committee

Comprehensive Economic Development Strategy (CEDS)

Transportation

Traffic Reports
Responsible Charge (RC)
Metro Area Motorist Assist (MAMA)
ITS
Multi-Modal

Data

G.I.S.
Aerial Photography
Demographics

Community and Economic Development

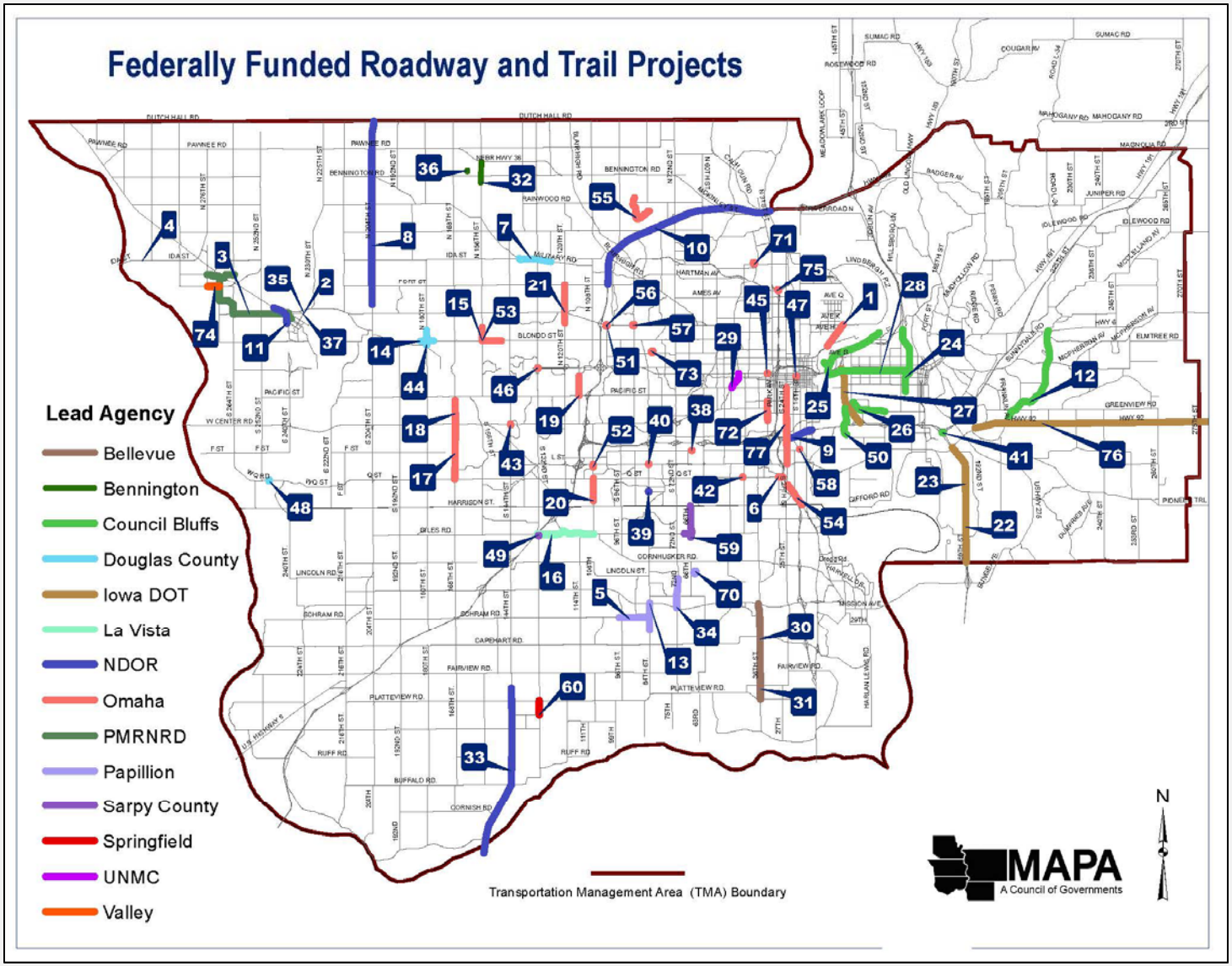
Grant Assistance
HUD CDGB
FEMA
EPA
EDA Projects
Revolving Loan Fund (RLF)

MAPA Activities

- Transportation Planning
- Data and Mapping Services
- Community & Economic Development
  - Grant Assistance (CDBG, FEMA, etc.)
  - Planning and Zoning
  - Economic Development District (EDD)
  - Revolving Loan Fund
- "Everything Else!"
  - NIROC Aerial Photos
  - Heartland 2050

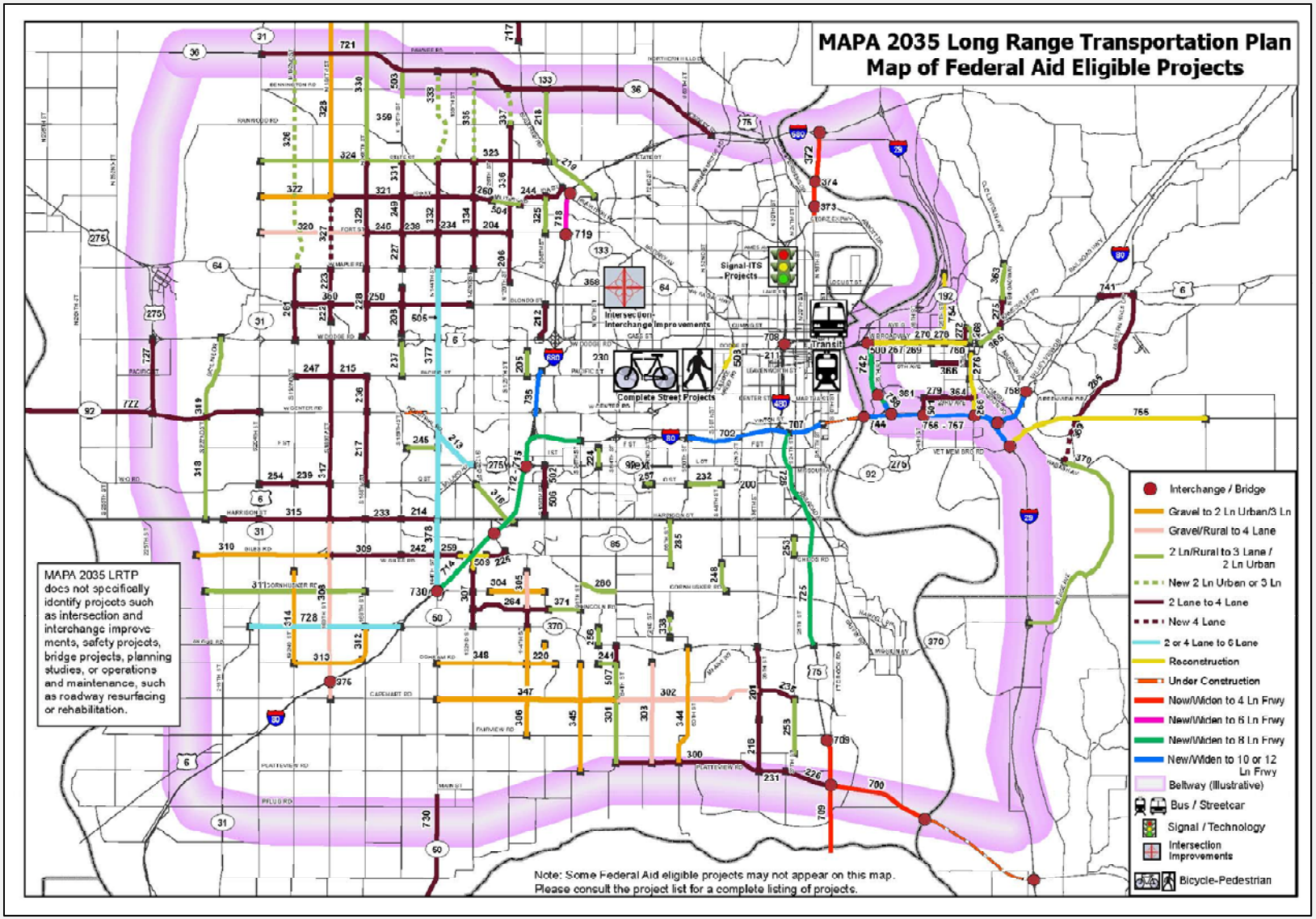
TRANSPORTATION PLANNING

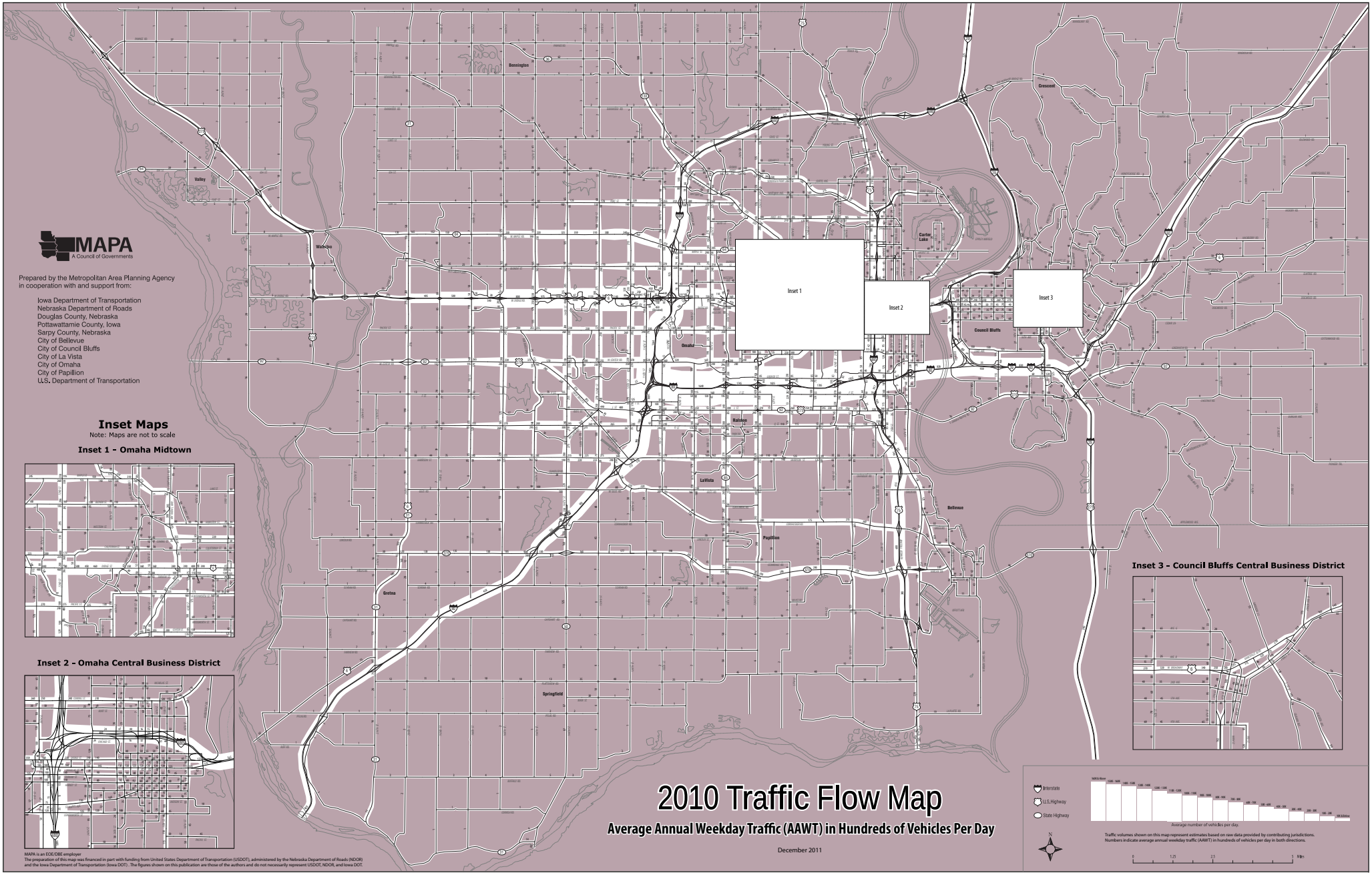
- Transportation Improvement Program (TIP)



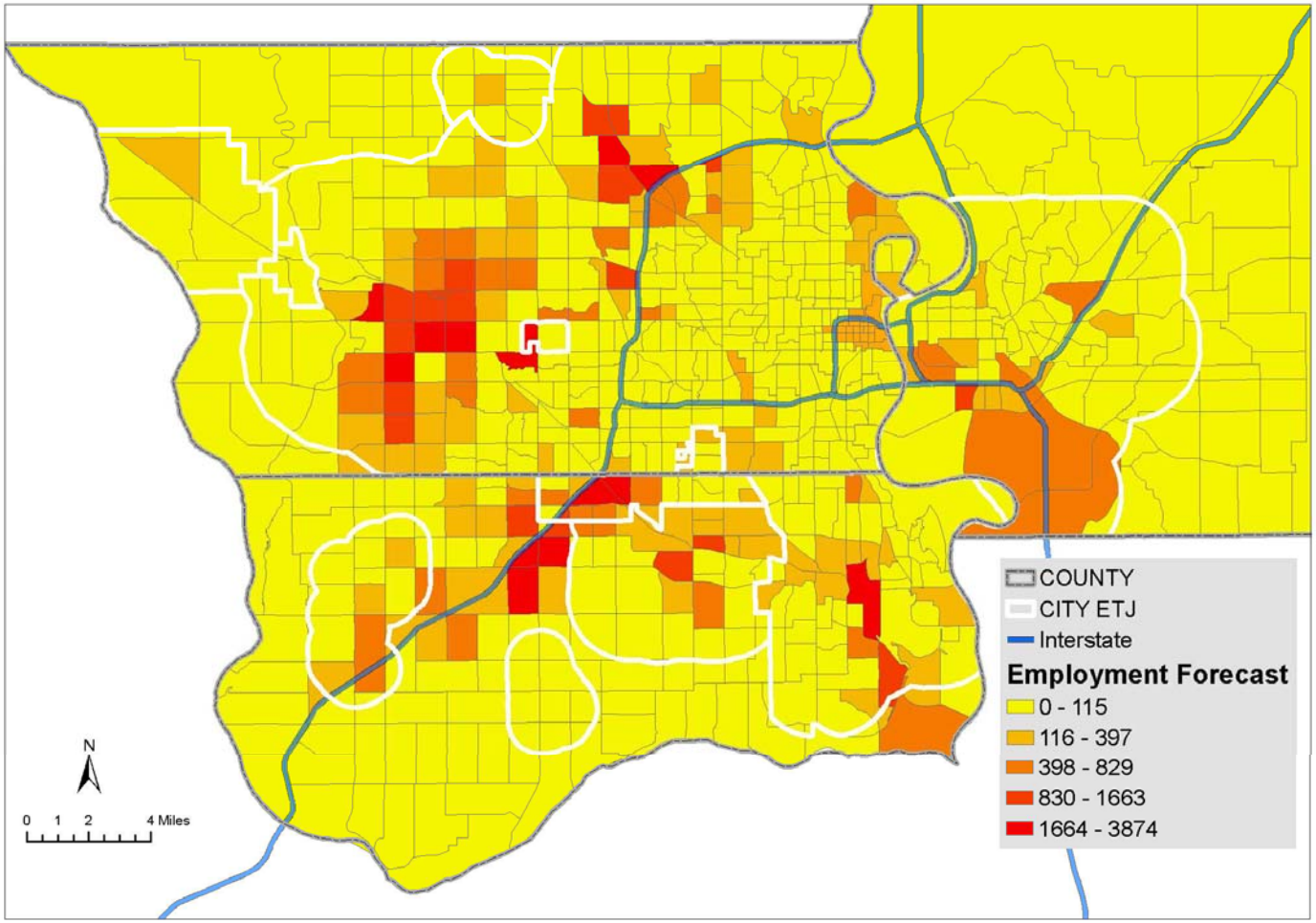
TRANSPORTATION PLANNING

- Long Range Transportation Plan (LRTP)




MAPA
A Council of Governments
Prepared by the Metropolitan Area Planning Agency
in cooperation with and support from:
Iowa Department of Transportation
Nebraska Department of Roads
Douglas County, Nebraska
Pottawattamie County, Iowa
Sarpy County, Nebraska
City of Bellevue
City of Council Bluffs
City of La Vista
City of Omaha
City of Papillion
U.S. Department of Transportation
Inset Maps
Note: Maps are not to scale
Inset 1 - Omaha Midtown
Inset 2 - Omaha Central Business District
Inset 3 - Council Bluffs Central Business District
Inset 1
Inset 2
Inset 3
Bennington
Valley
Waterloo
Crescent
Carter Lake
Omaha
Council Bluffs
Ralston
LaVista
Bellevue
Papillion
Gretna
Springfield
2010 Traffic Flow Map
Average Annual Weekday Traffic (AAWT) in Hundreds of Vehicles Per Day
December 2011
Interstate
U.S. Highway
State Highway
N
Average number of vehicles per day.
Traffic volumes shown on this map represent estimates based on raw data provided by contributing jurisdictions.
Numbers indicate average annual weekday traffic (AAWT) in hundreds of vehicles per day in both directions.
0
1.25
2.5
5 Miles
MAPA is an EOE/OBE employer
The preparation of this map was financed in part with funding from United States Department of Transportation (USDOT), administered by the Nebraska Department of Roads (NDOR) and the Iowa Department of Transportation (Iowa DOT). The figures shown on this publication are those of the authors and do not necessarily represent USDOT, NDOR, and Iowa DOT.

Regional Overview:



LUAAM MODEL INDEXES USED IN THE MAJOR ACTIVITY ALLOCATIONS, WITH FINAL WEIGHTS

MAPA 09/06

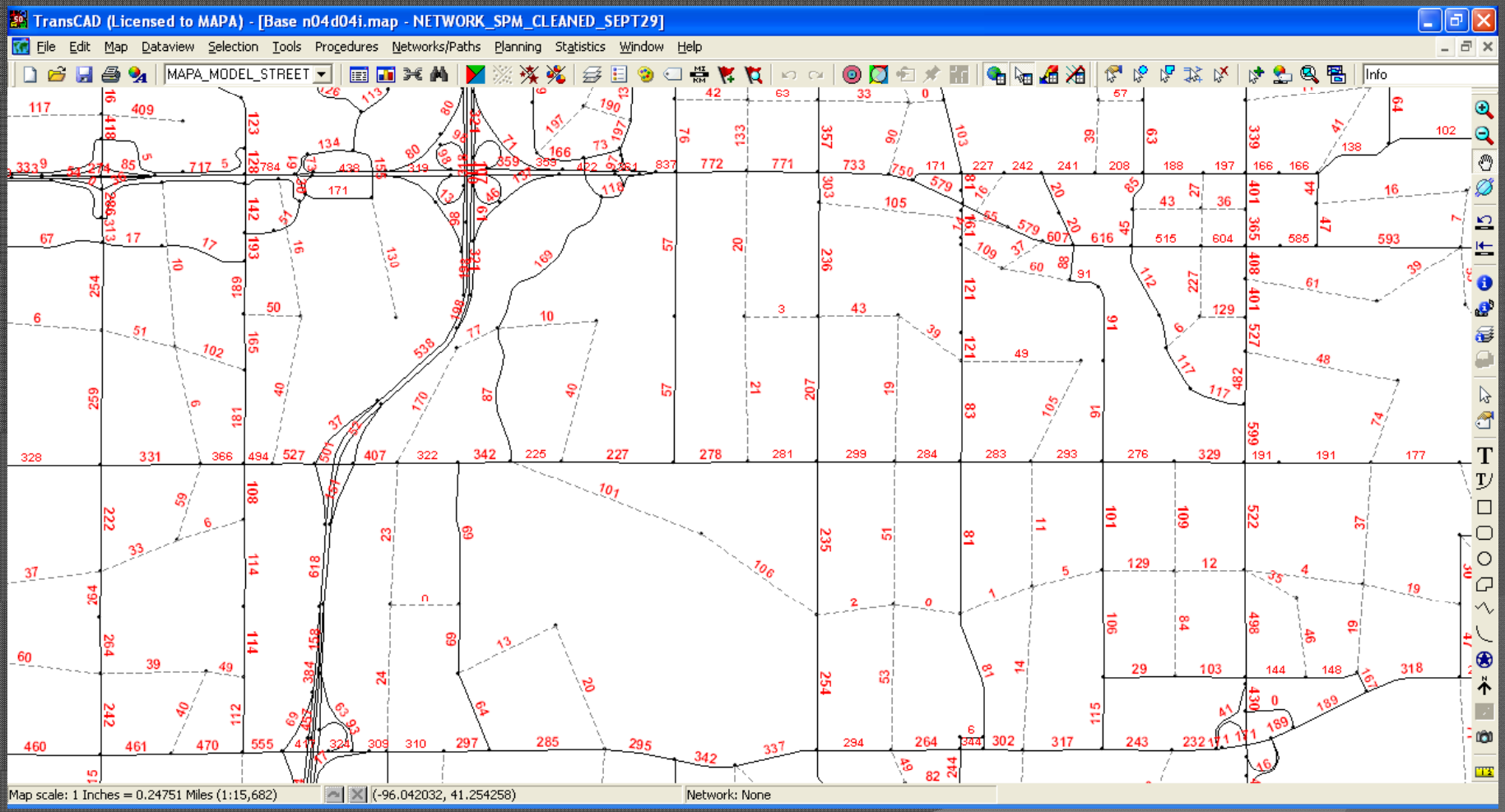
	INDEX	OFFICE EMPLOYMENT	INDUSTRIAL EMPLOYMENT	SINGLE FAMILY HOUSING UNITS	MULTI-FAMILY HOUSING UNITS	COMMERCIAL EMPLOYMENT
Highway Facilities	FREEWAY/EXPRESSWAY	3	4	1	4	2
	ARTERIALS (4+ LANES)	3	3	2	2	3
	MINOR ARTERIALS (PAVED)	1	1	2	1	2
Utilities	SEWER, ETC	2	2	4	3	2
Socio-Economic	SUBDIVISIONS/PLATTED LOTS	1	1	2	1	1
	INCOME PATTERNS	2	0	2	1	1
	PUBLIC FACILITIES	0	0	0.5	0.5	0
	OPEN SPACES/AMENITIES	0	0	0.5	0.5	0
	CONFLICTING LAND USES	0	0	0.5	0.5	0
Proximity: (Sub-Regional)	PAST SF HOUSING CHANGE (PERMITS)	1	1	2	0	2
	PAST MF HOUSING CHANGE (PERMITS)	0	0	0	2	0
	PAST INDUSTRIAL EMPLOYMENT CHANGE	0	3	0	0	0
	PAST OFFICE EMPLOYMENT CHANGE	2	0	0	0	0
	PAST COMMERCIAL EMPLOYMENT CHANGI	0	0	0	0	1
	PAST TOTAL EMPLOYMENT CHANGE	0.5	0.5	0.5	1	0.5
	FUTURE "BASIC" EMPLOYMENT CHANGE	0	0	0.5	1	0
	FUTURE POPULATION/HOUSING CHANGE	1	0	0	0	2
	TOTAL POPULATION/HOUSING	1	0	0.5	1	1
	TOTAL EMPLOYMENT	0	0	1	1	0
Accessibility: (Regional)	PAST SF HOUSING CHANGE (PERMITS)	2	1	1	0	1
	PAST MF HOUSING CHANGE (PERMITS)	0	0	0	1	0
	PAST TOTAL EMPLOYMENT CHANGE	0	0	1	1	1
	FUTURE "BASIC" EMPLOYMENT CHANGE	0	0	1	2	1
	FUTURE POPULATION/HOUSING CHANGE	0	0	0	0	3
	TOTAL POPULATION/HOUSING	2	3	1	1	1
	TOTAL EMPLOYMENT	1	1	2	2	0
	TOTAL	22.5	20.5	25	26.5	24.5

FORECASTING

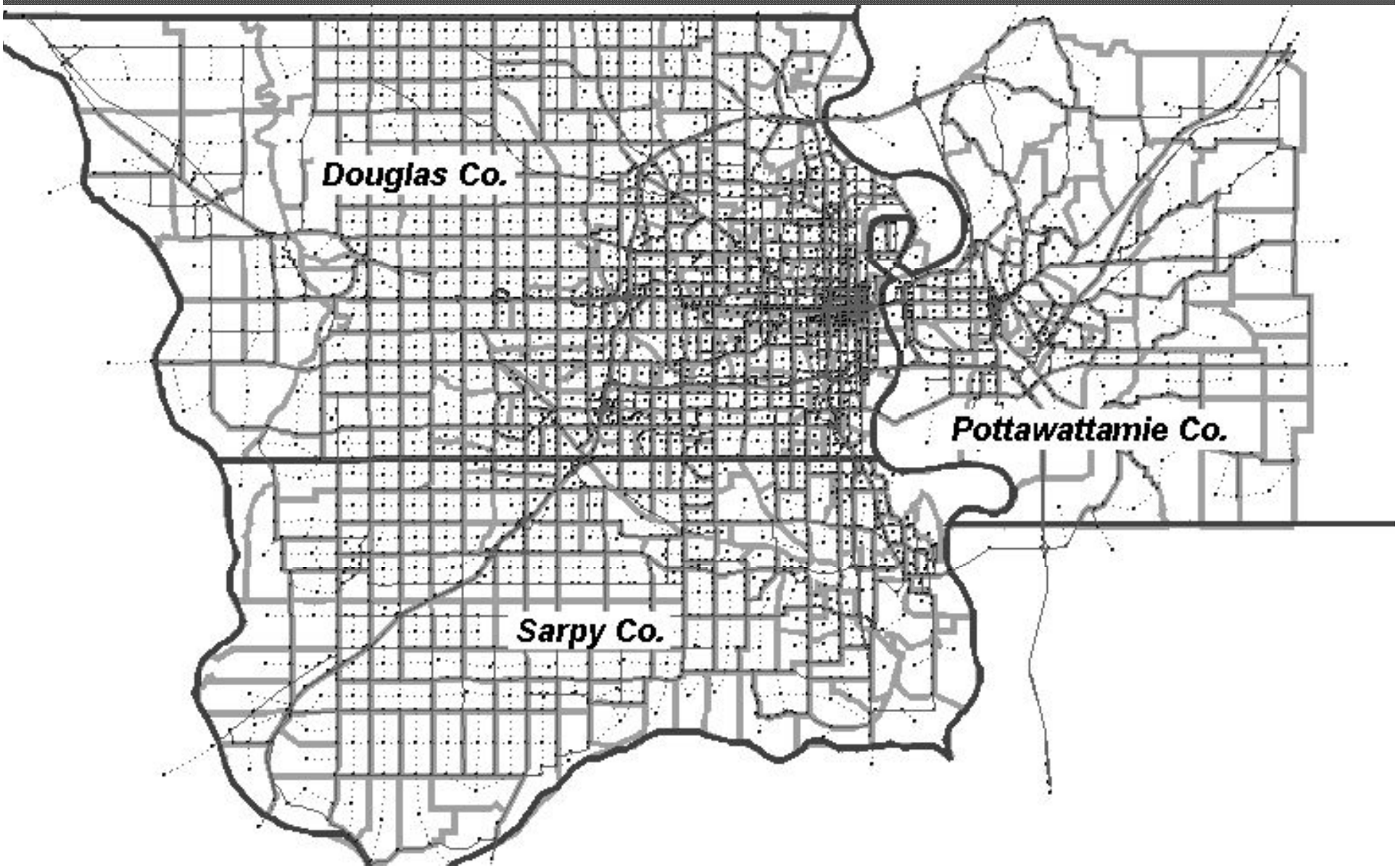
envision tomorrow™

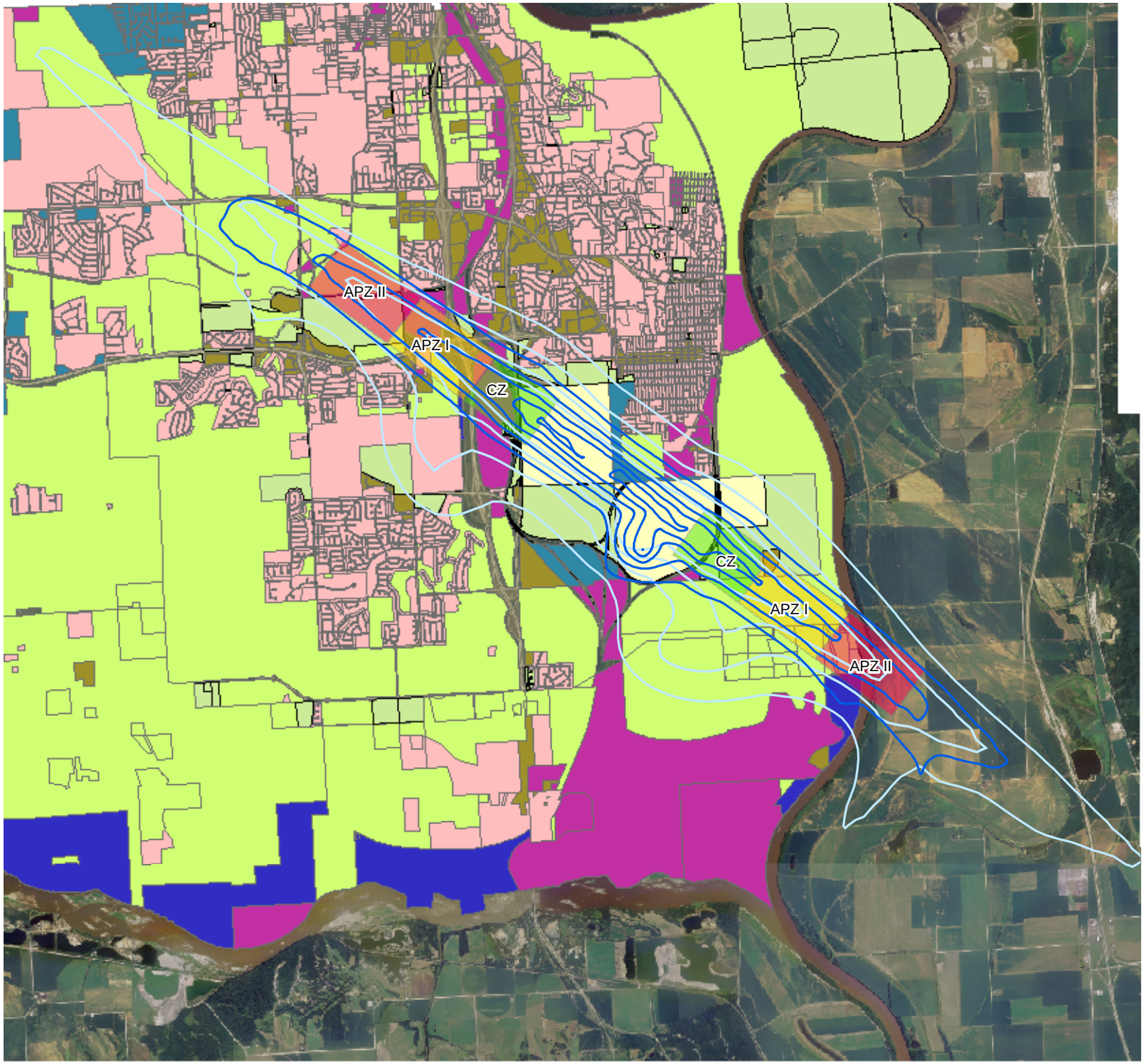
a suite of urban and regional planning tools

TransCad Model



700 + TAZs





Department of the Air Force
Air Combat Command
Offutt AFB

Legend

1992

2005

APZ

- APZ I
- APZ II
- CLEAR ZONE

Zoning

- AGRICULTURAL
- BUSINESS
- COMMERICIAL
- FLOOD PLANE
- INDUSTRIAL
- OAFB
- RESIDENTIAL
- UNKNOWN
- OFFUTT BOUNDARY

AICUZ

Figure 6: Current Zoning

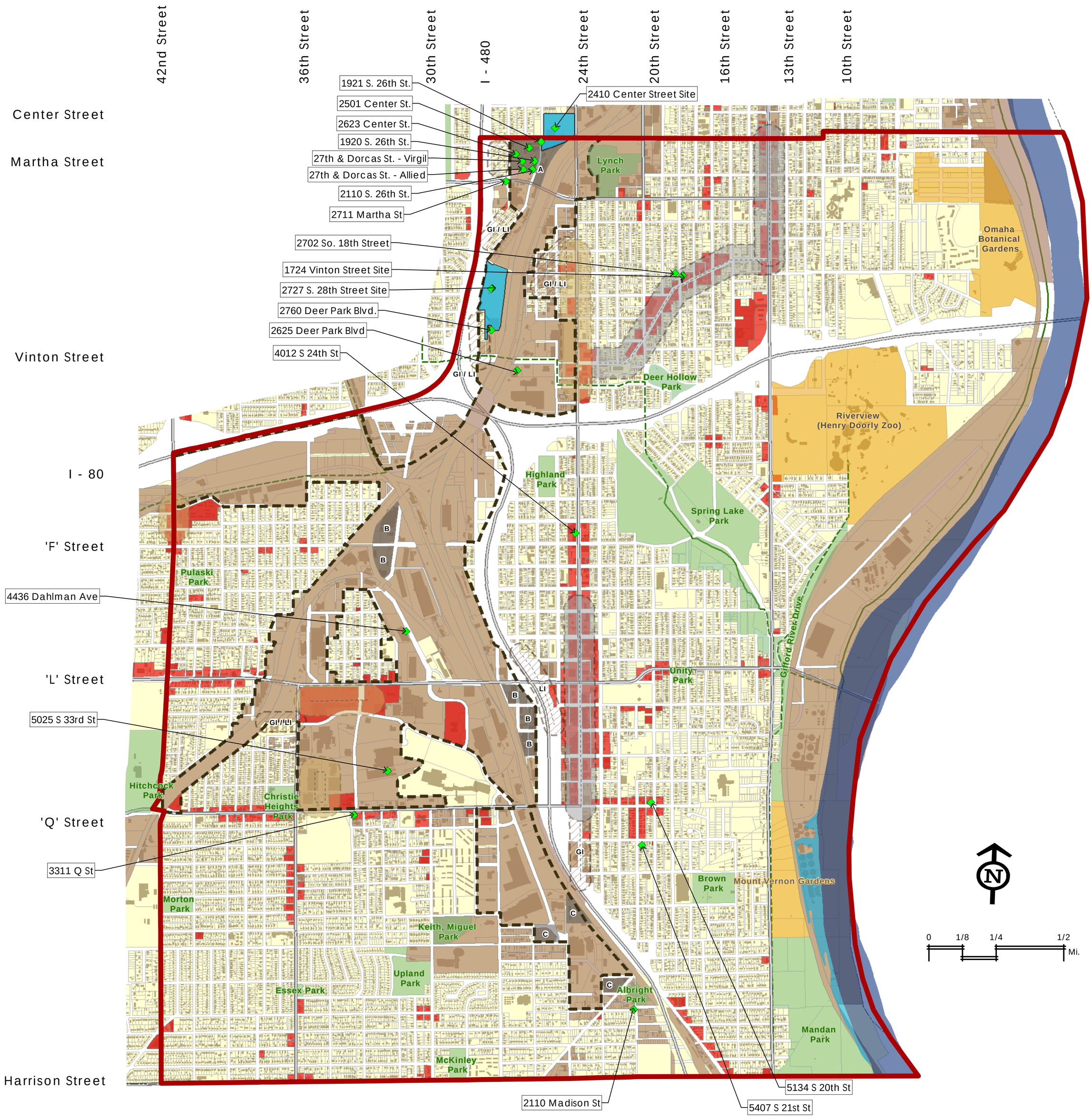
0 1,500 3,000 6,000 9,000

Feet

Coordinate System: State Plan
(Ham) NAD1983

This map is for reference only

Prepared By: Chris Larson
Offutt AFB Omaha, NE
June 2006



LEGEND

- South Omaha Development Project Boundary
- Flood Fringe
- 100 Year Floodplain
- Parcels
- Building Footprints
- Civic Open space
- Parks
- Commercial Zoning
- Industrial Zoning
- High Priority Parcels
- Industrial Zoning Footprint
- Industrial Redevelopment Areas
- Industrial Zoning Changes
- "Main Street" Corridor
- Auto Oriented Corridor
- City_Limits
- Existing Trail
- Proposed Trail
- Brownfield Site

MAPA A Council of Governments

benesch engineers · scientists · planners

HDR

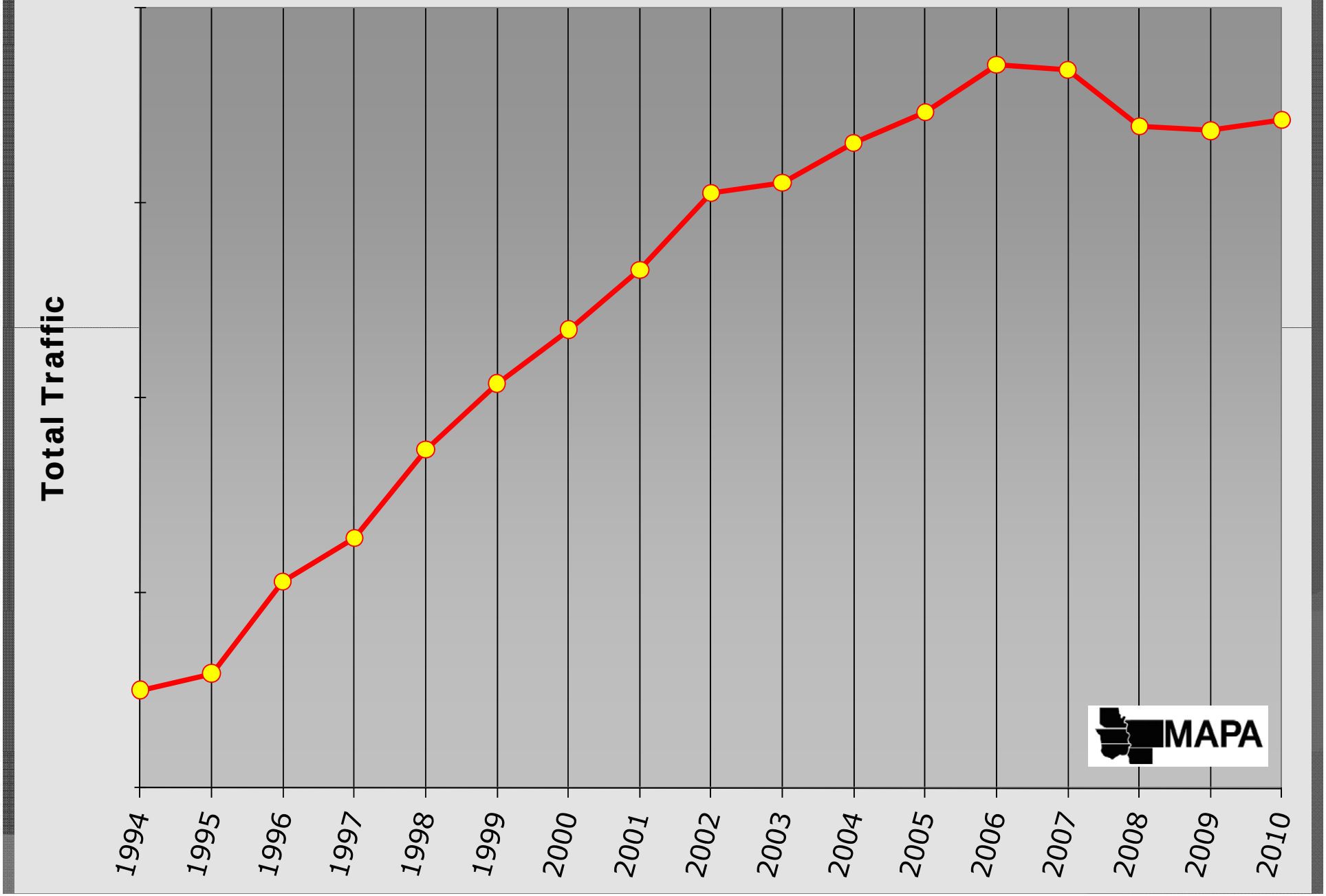
Papio-Missouri River Natural Resources District

vireo Patti Banks Associates + Community ReDesigned

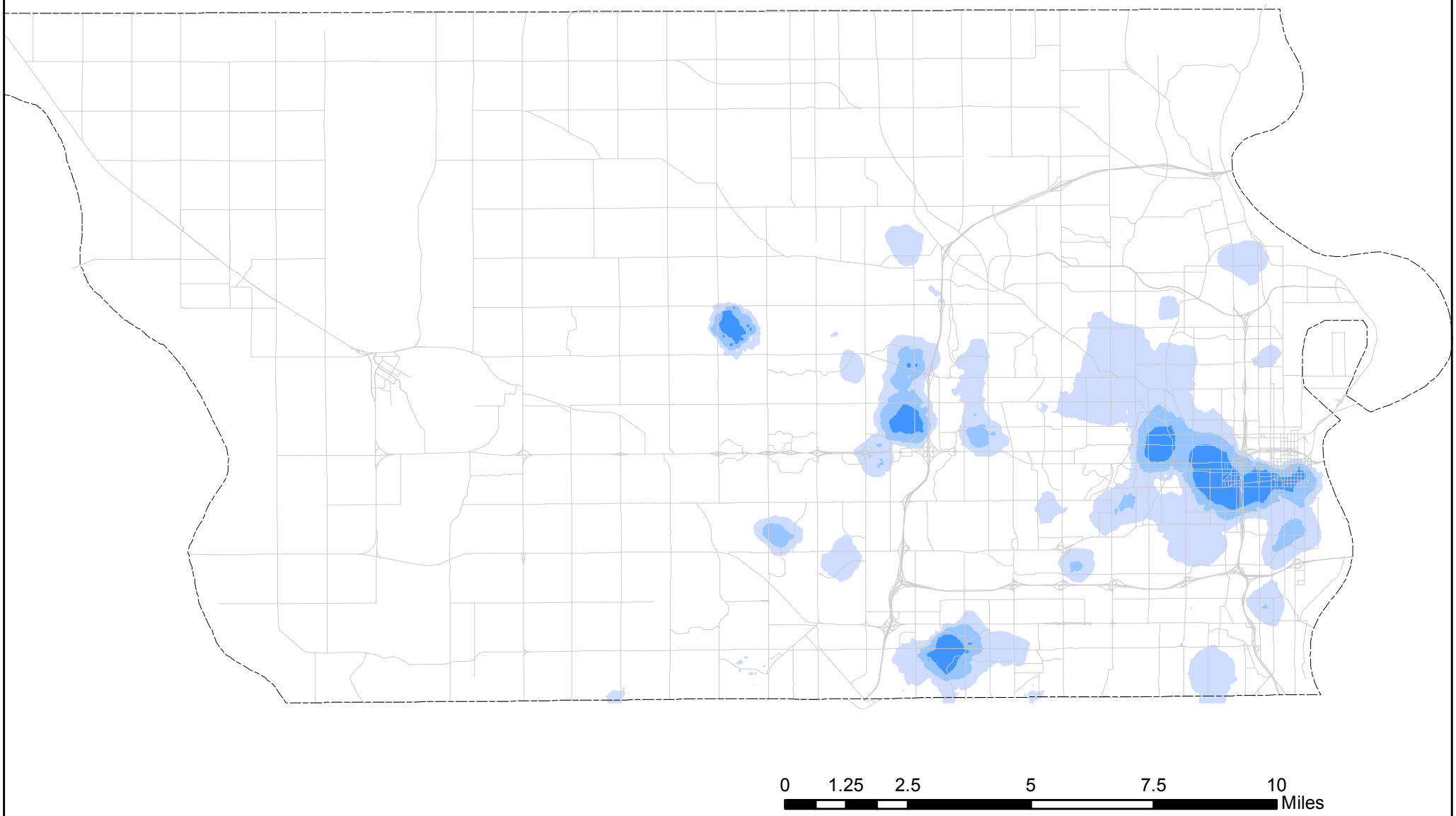
METROPOLITAN COMMUNITY COLLEGE

SOUTH OMAHA DEVELOPMENT PROJECT
MAPA BROWNFIELDS COALITION ASSESSMENT GRANT

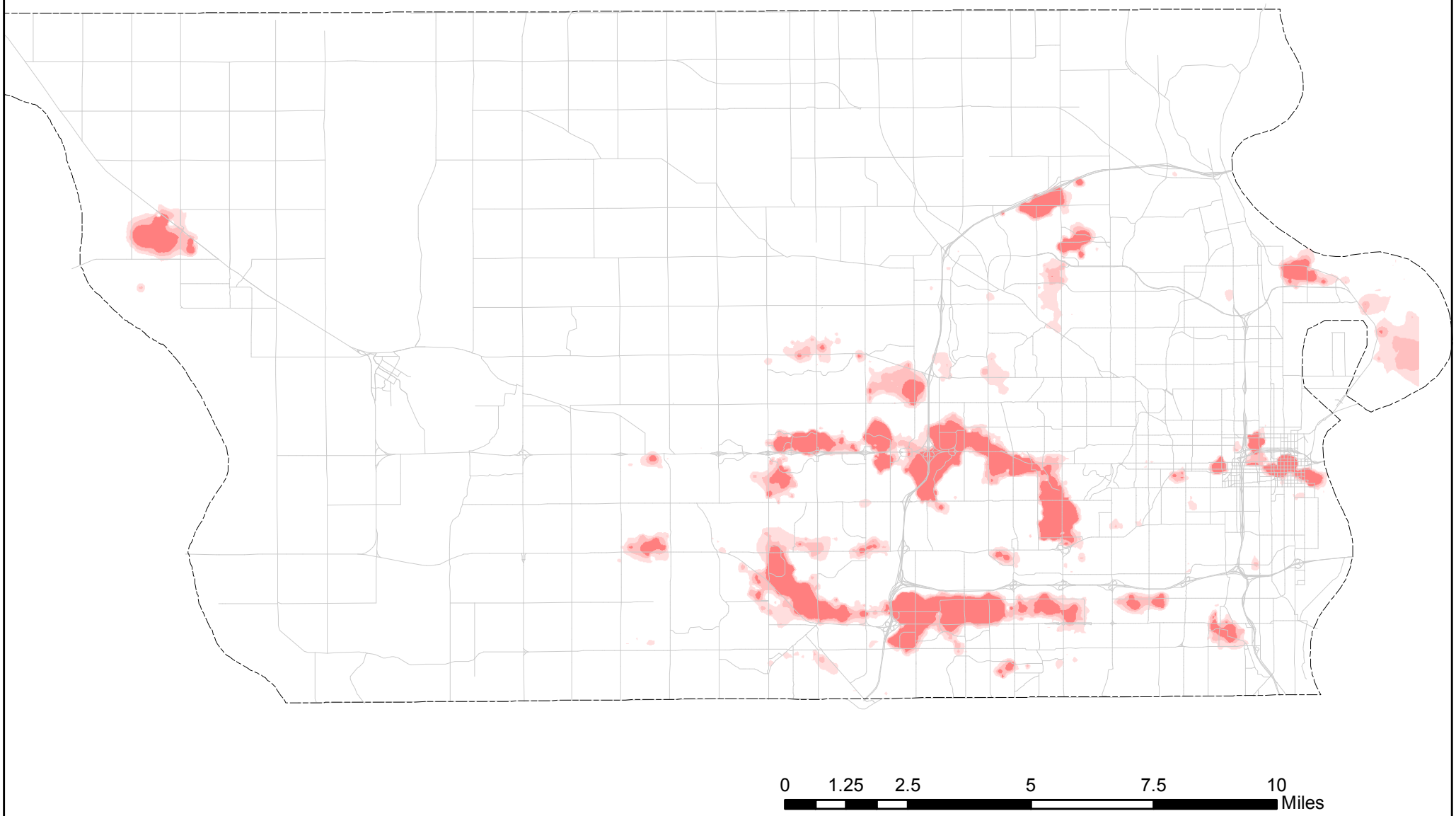
MAPA Region Continuous Count Totals



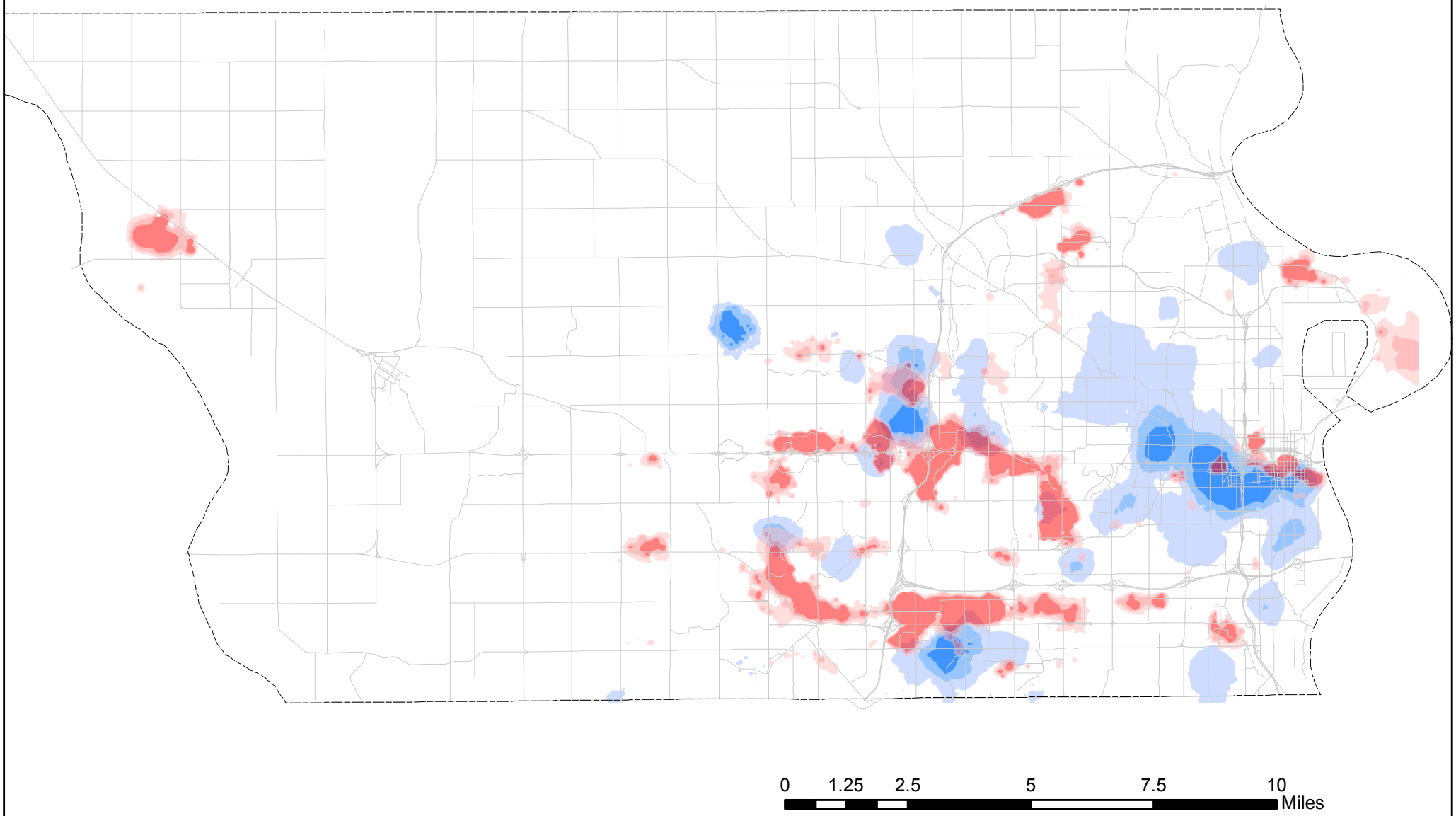
RESIDENTIAL INTENSITY



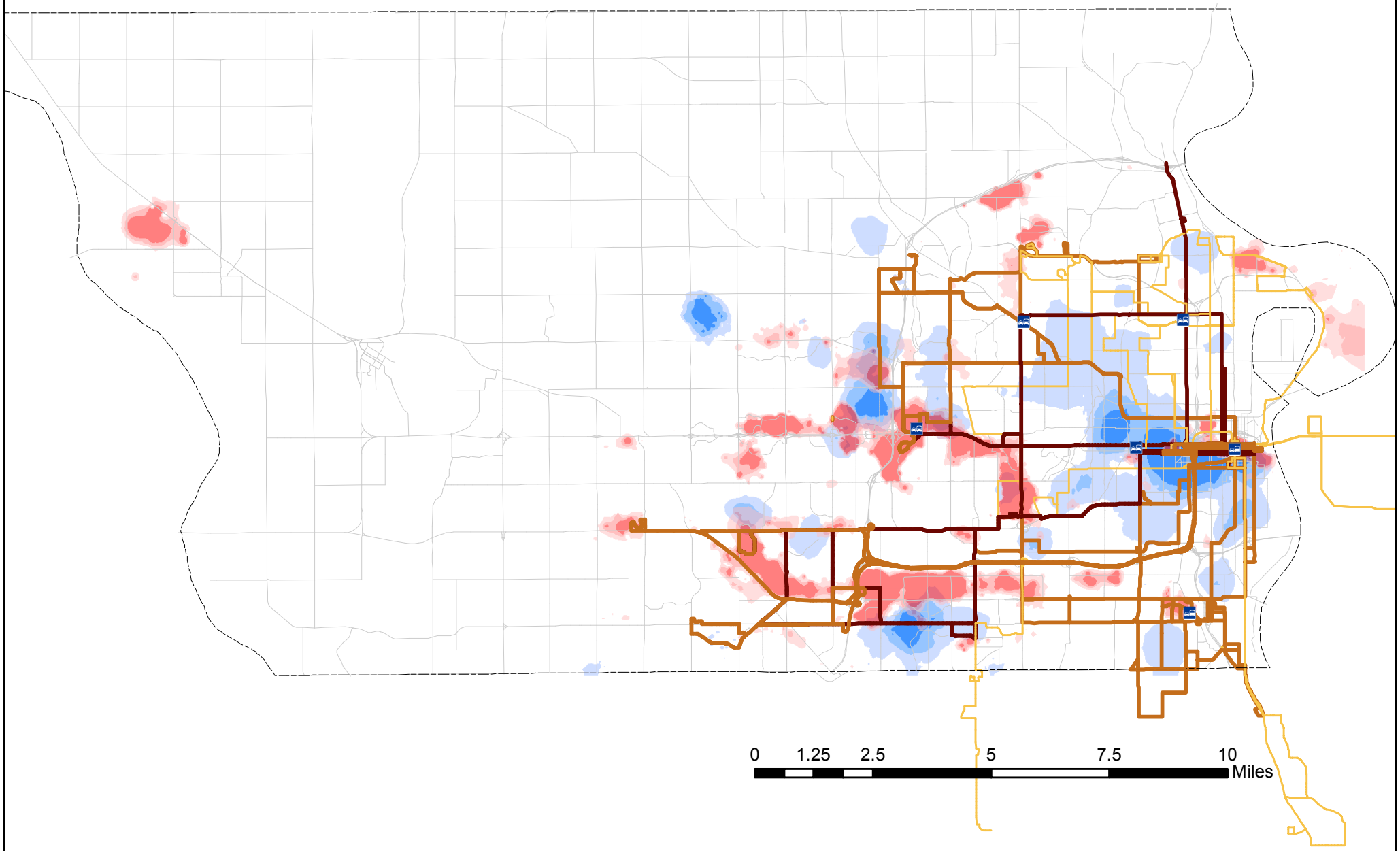
EMPLOYMENT INTENSITY



EMPLOYMENT and RESIDENTIAL INTENSITY

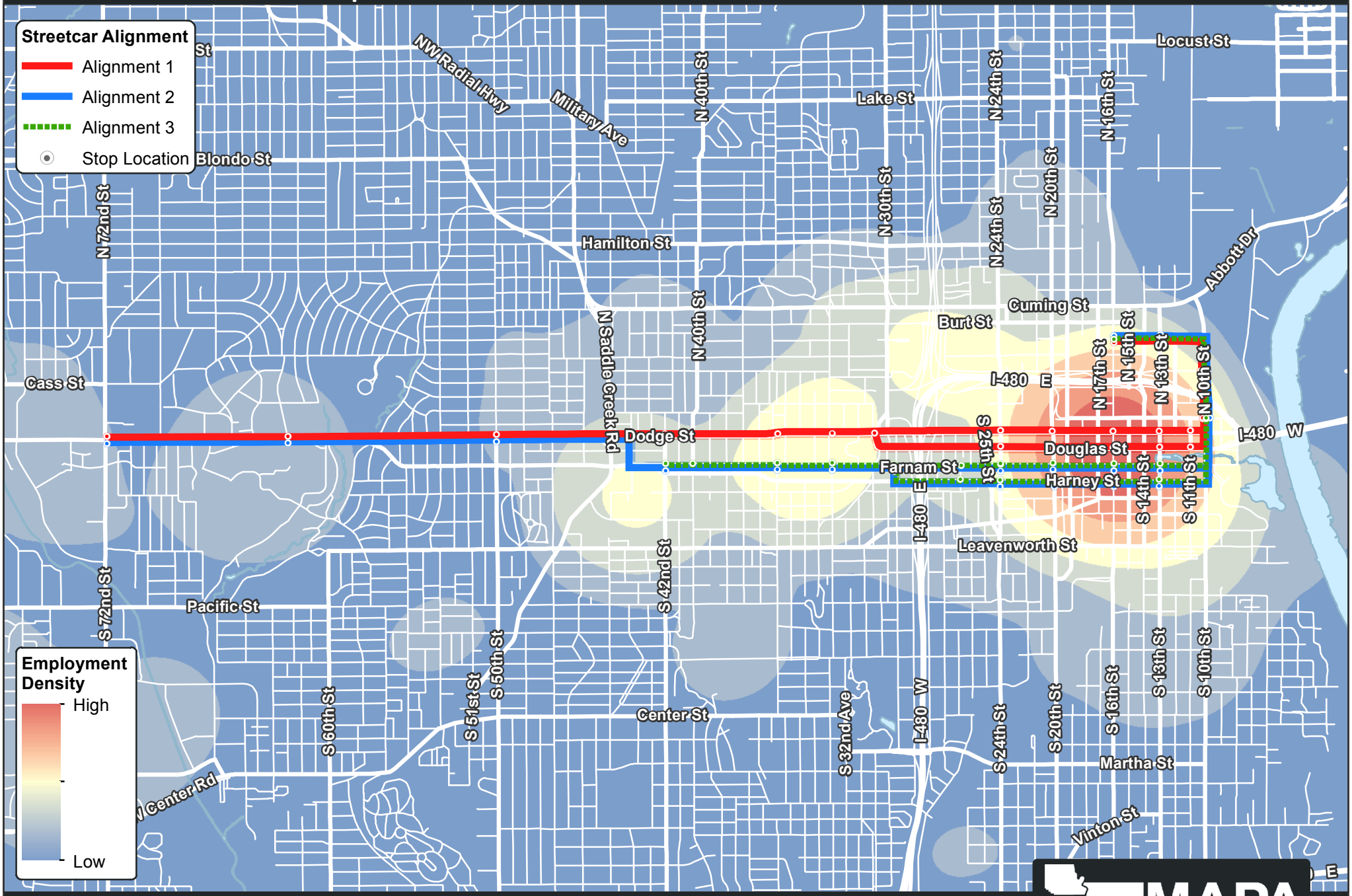


TRANSIT - BIKES ON BUS



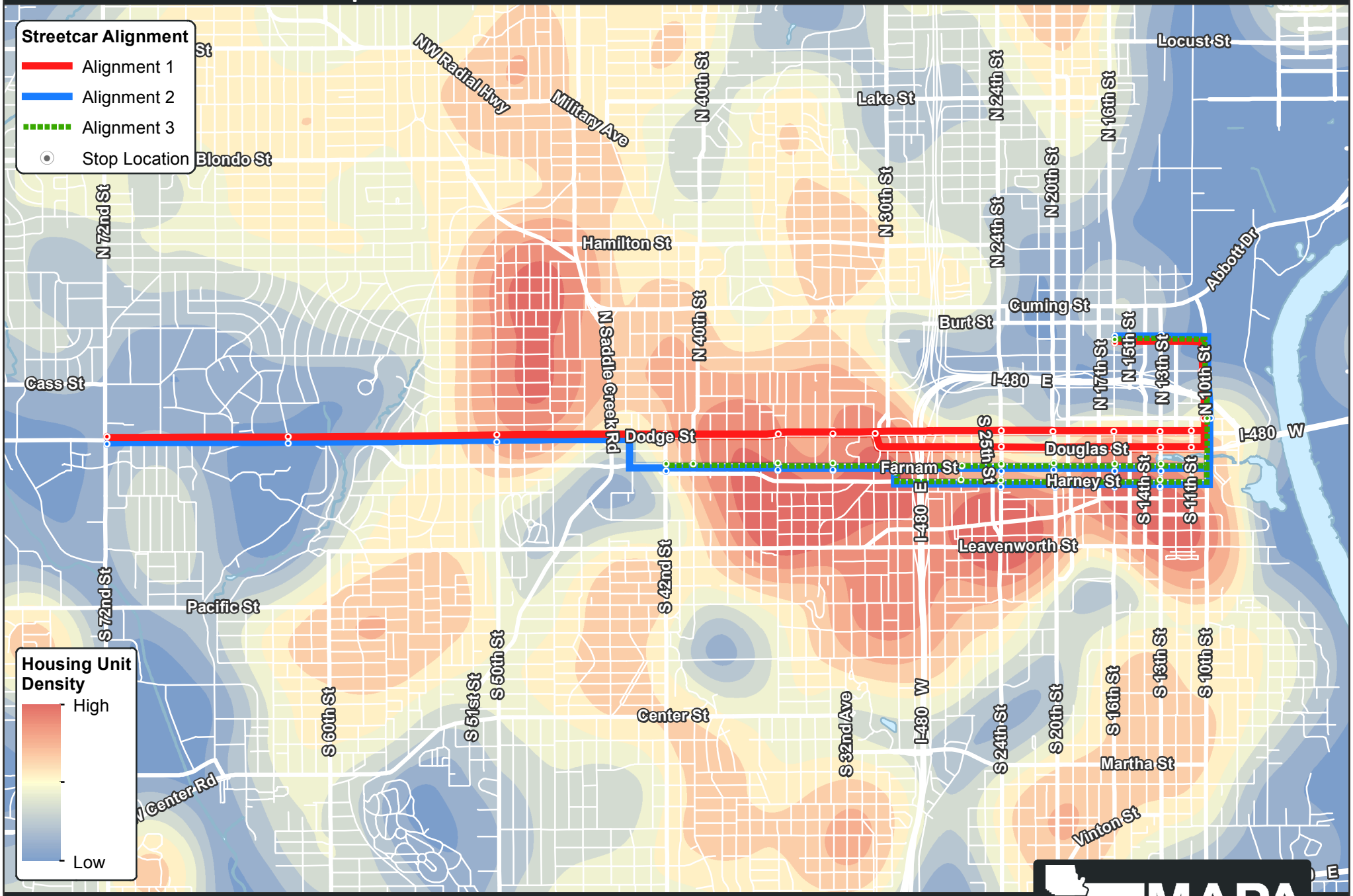
Transit Alternatives With Stop Locations

Central Omaha



Transit Alternatives With Stop Locations

Central Omaha

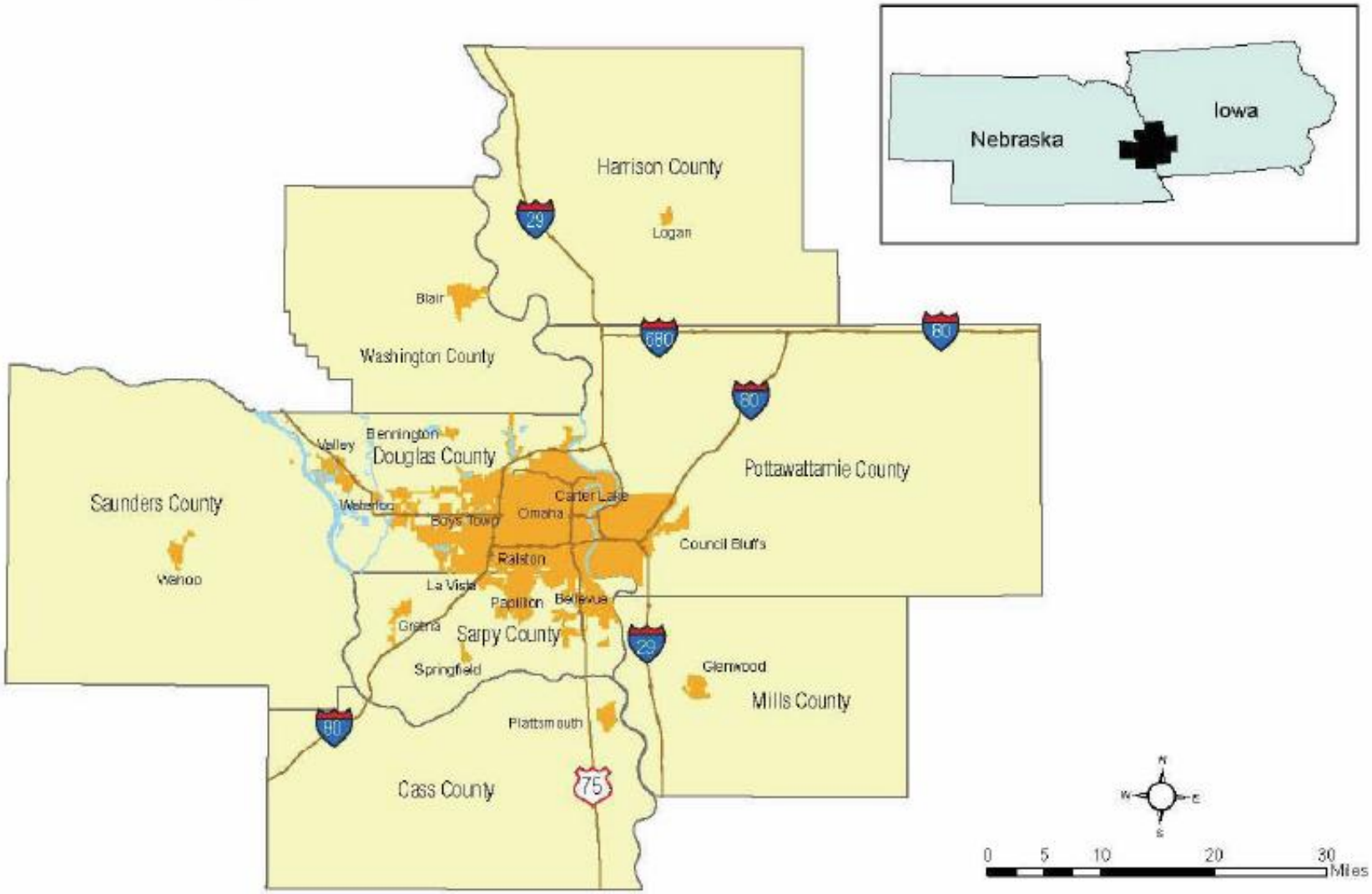


Heartland 2050

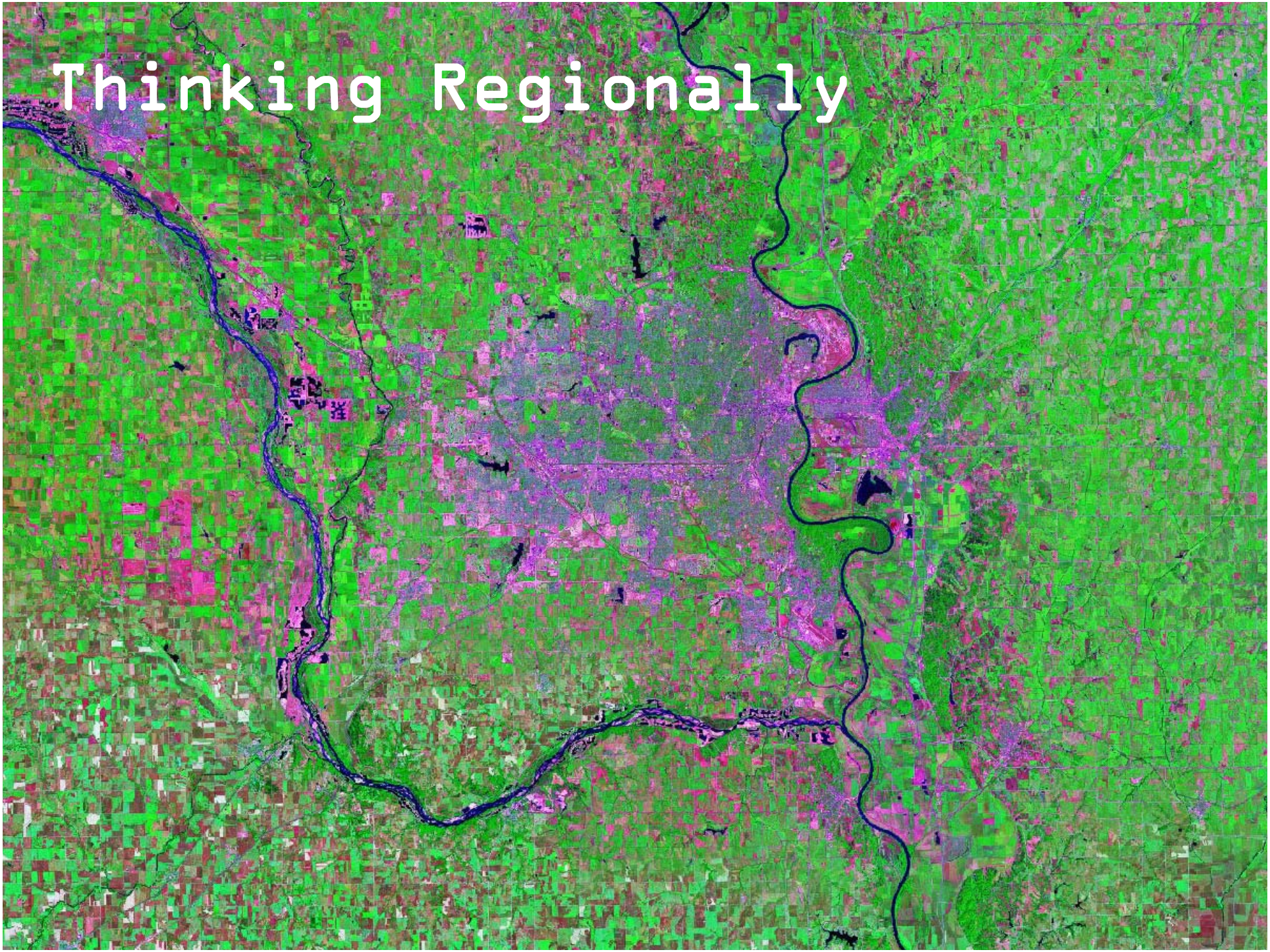
Regional Visions

Envision Utah How we grow matters.

Heartland 2050 Study Region



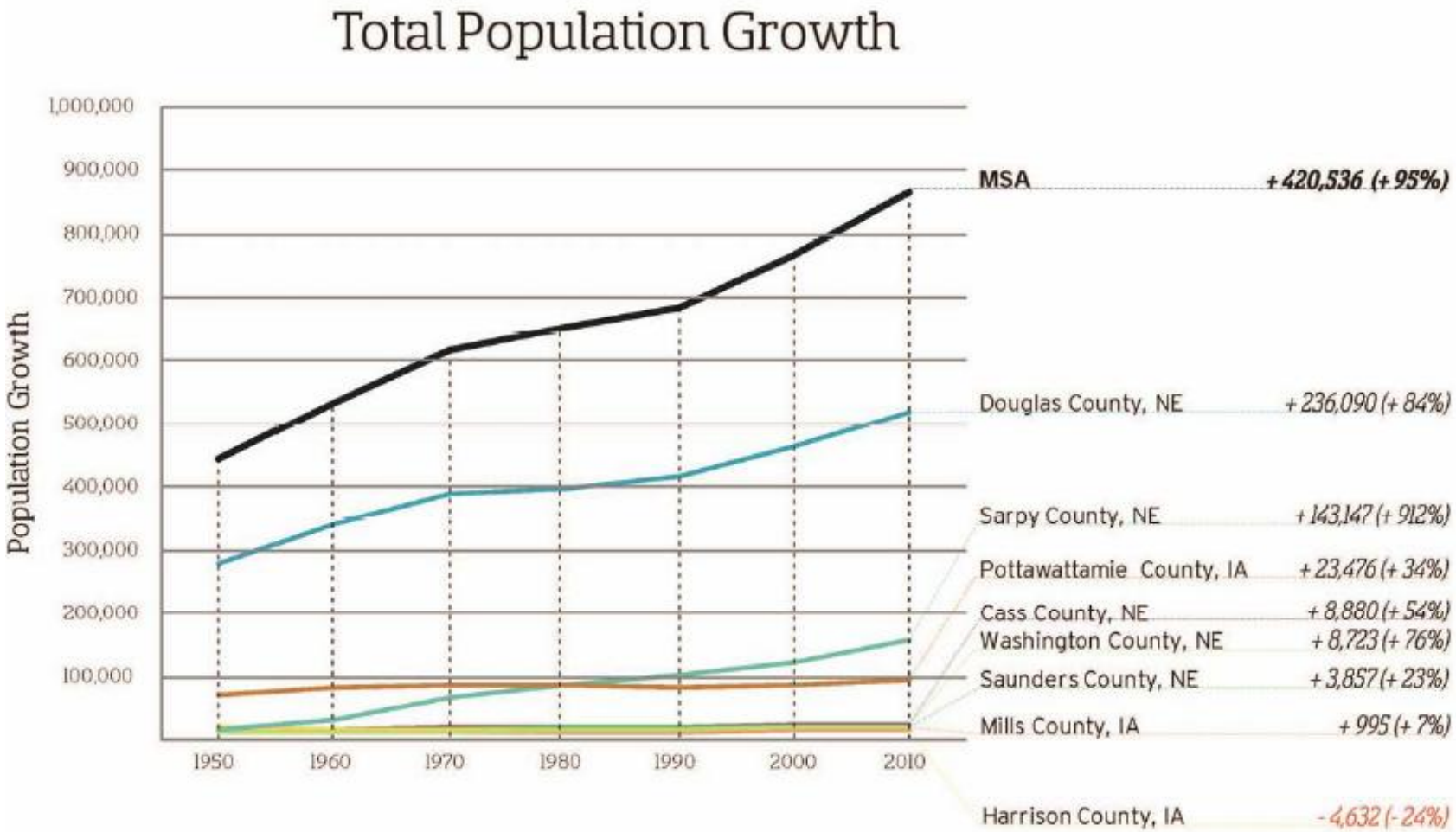
Thinking Regionally



a **vision**, not a **plan**...

Partnership

The population is growing...



Steady future growth?

Population projections through 2050

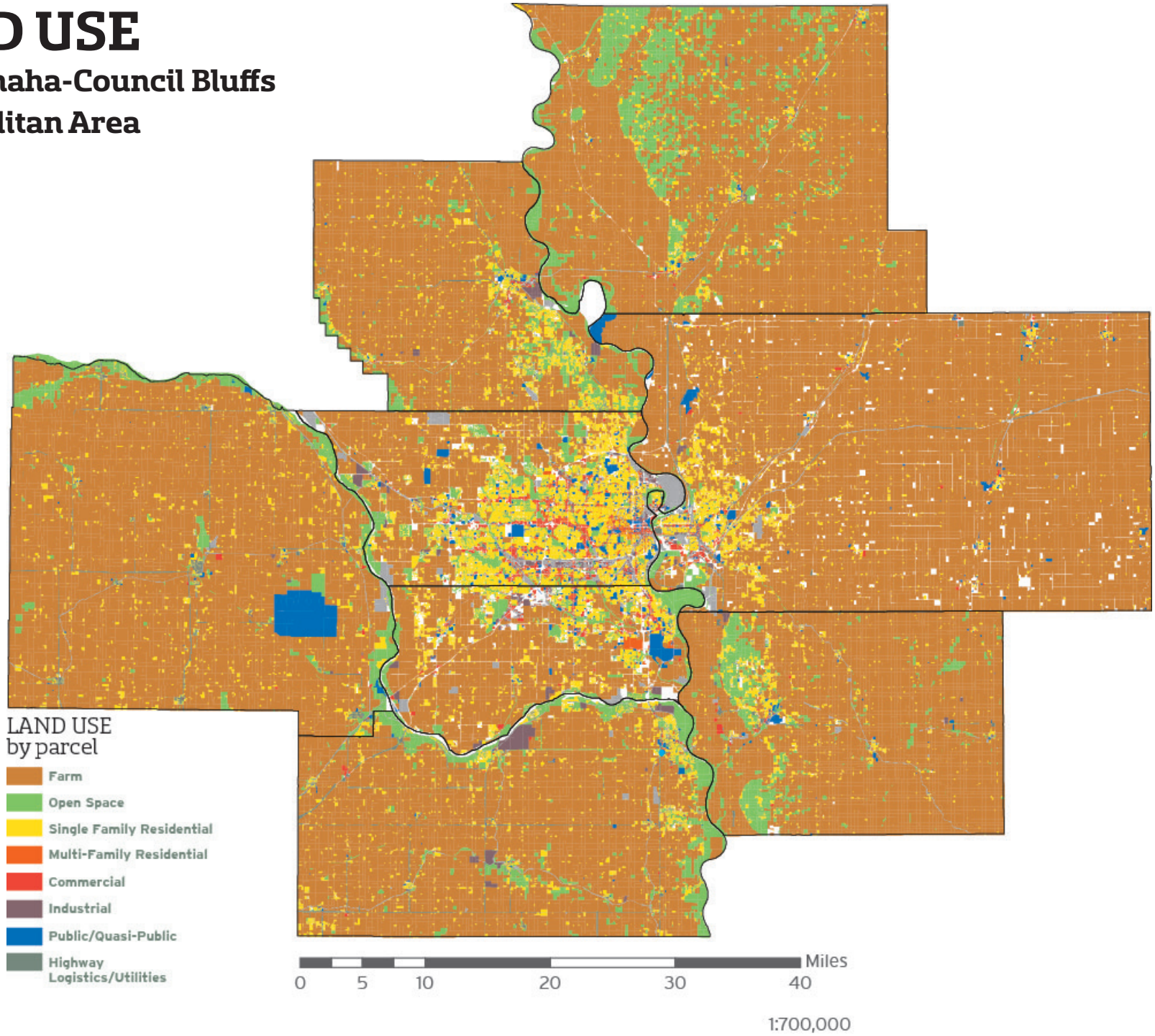
Total Population, All Counties, 2000 to 2050

Counties	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Core Counties											
Douglas	463,585	486,929	511,227	532,354	550,918	567,702	583,538	599,274	615,742	633,724	653,888
Sarpy	122,595	139,371	156,696	174,201	191,540	208,441	224,709	240,236	254,997	269,023	282,393
Suburban Counties											
Nebraska Counties											
Burt	7,791	7,455	7,240	7,207	7,320	7,550	7,885	8,331	8,897	9,586	10,396
Cass	24,334	25,734	27,733	30,037	32,600	35,385	38,381	41,601	45,060	48,764	52,712
Dodge	36,160	36,078	36,176	36,625	37,367	38,377	39,673	41,296	43,294	45,708	48,565
Otoe	15,396	15,509	15,704	16,005	16,399	16,868	17,414	18,054	18,808	19,694	20,722
Saunders	19,830	20,458	21,220	22,525	24,306	26,500	29,084	32,072	35,487	39,348	43,661
Washington	18,780	19,772	21,235	23,053	25,140	27,460	30,024	32,860	35,994	39,439	43,203
Iowa Counties											
Fremont	8,010	7,759	7,541	7,474	7,546	7,734	8,028	8,429	8,943	9,573	10,317
Harrison	15,666	15,884	16,242	16,752	17,385	18,099	18,879	19,735	20,686	21,750	22,941
Mills	14,547	15,284	16,213	17,164	18,100	18,999	19,879	20,783	21,752	22,816	23,990
Pottawattamie	87,704	89,738	92,378	95,111	97,943	100,850	103,872	107,104	110,663	114,651	119,143
Core Counties Total	586,180	626,300	667,923	706,555	742,458	776,143	808,247	839,510	870,739	902,747	936,282
Suburban Counties Total	248,218	253,671	261,682	271,954	284,105	297,820	313,118	330,265	349,583	371,328	395,652
Grand Total All Counties	834,398	879,971	929,606	978,509	1,026,563	1,073,962	1,121,365	1,169,775	1,220,322	1,274,075	1,331,933

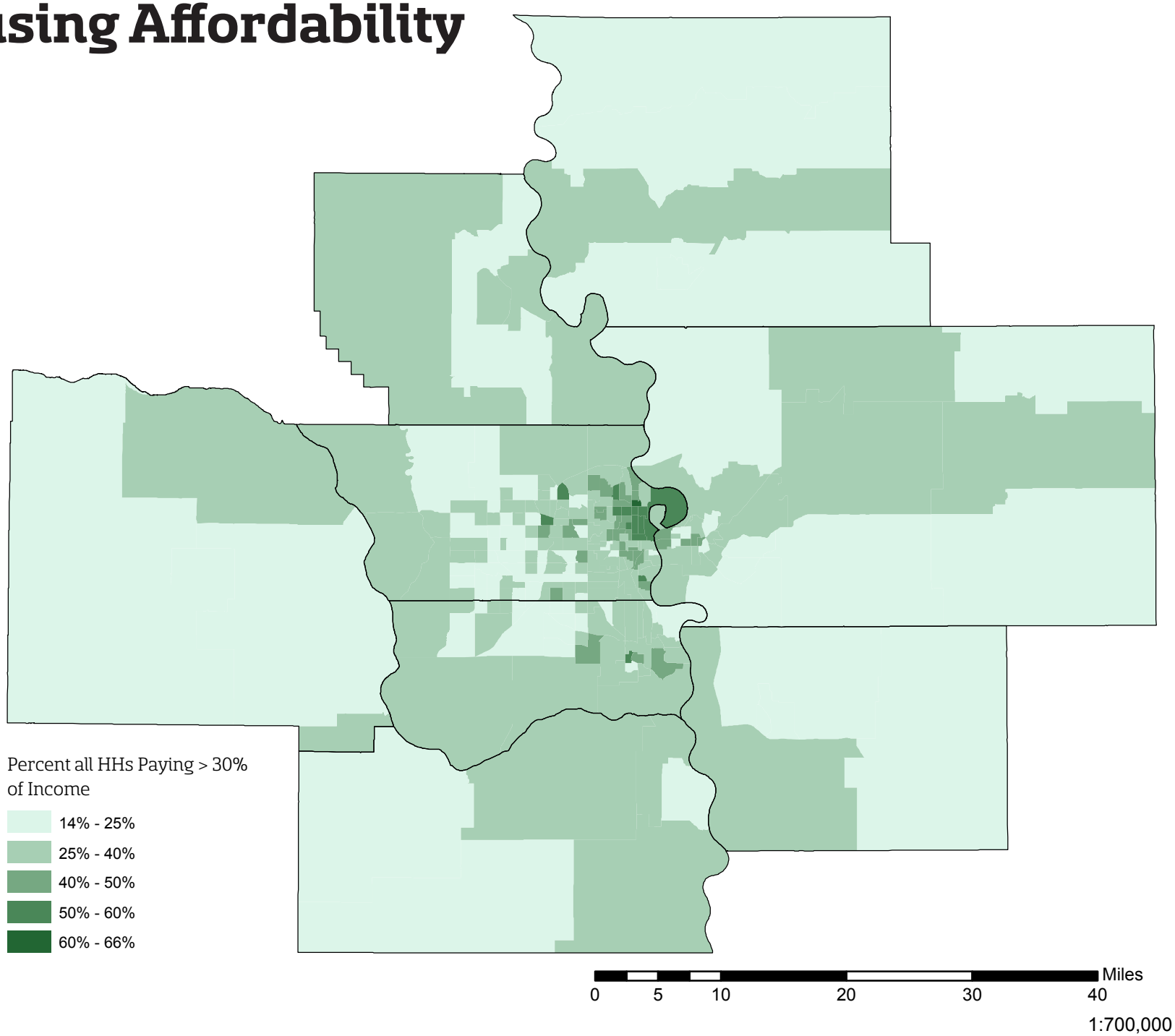
Source: UNL BBR 2007

LAND USE

in the Omaha-Council Bluffs Metropolitan Area

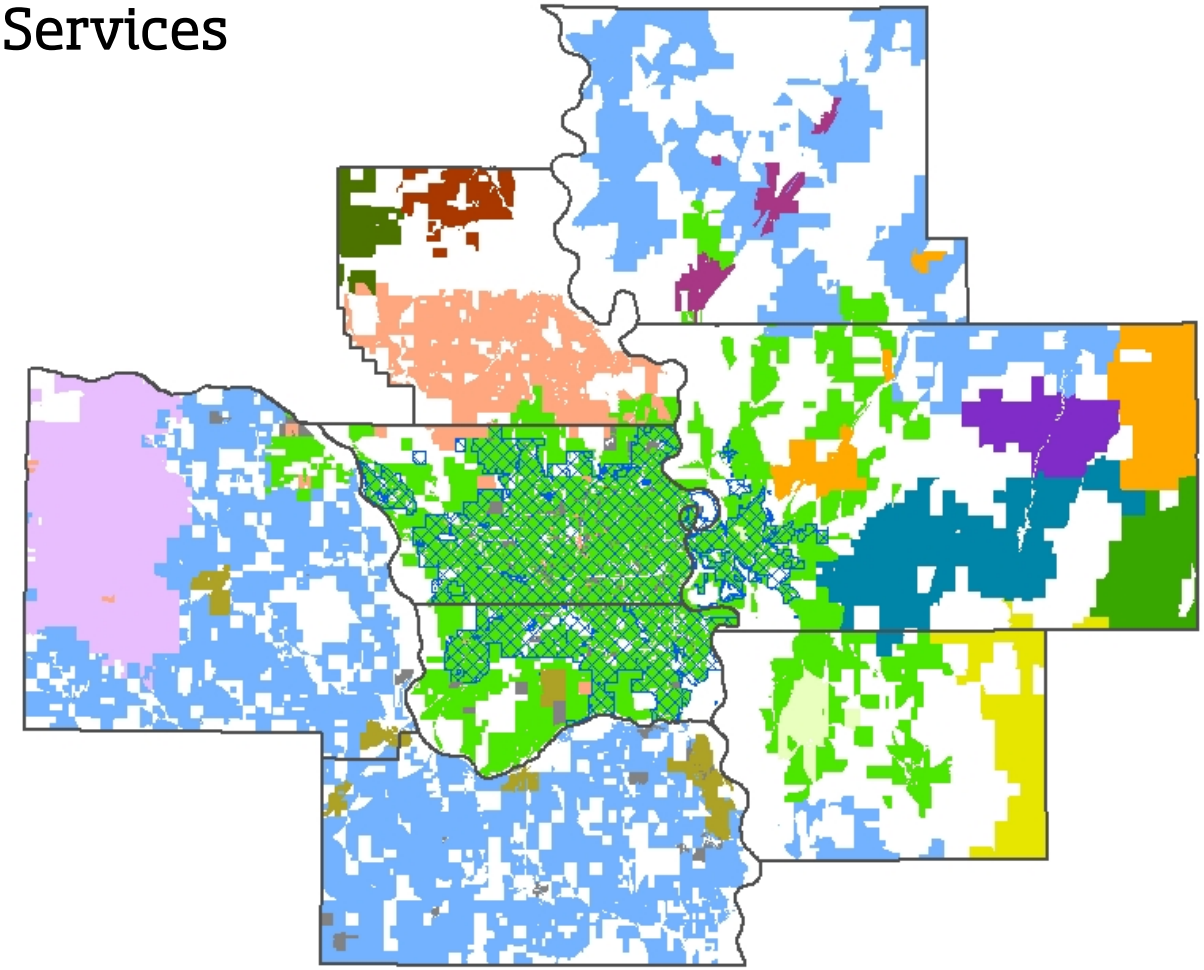


Housing Affordability



Broadband Provider Coverage Map

Fixed Services



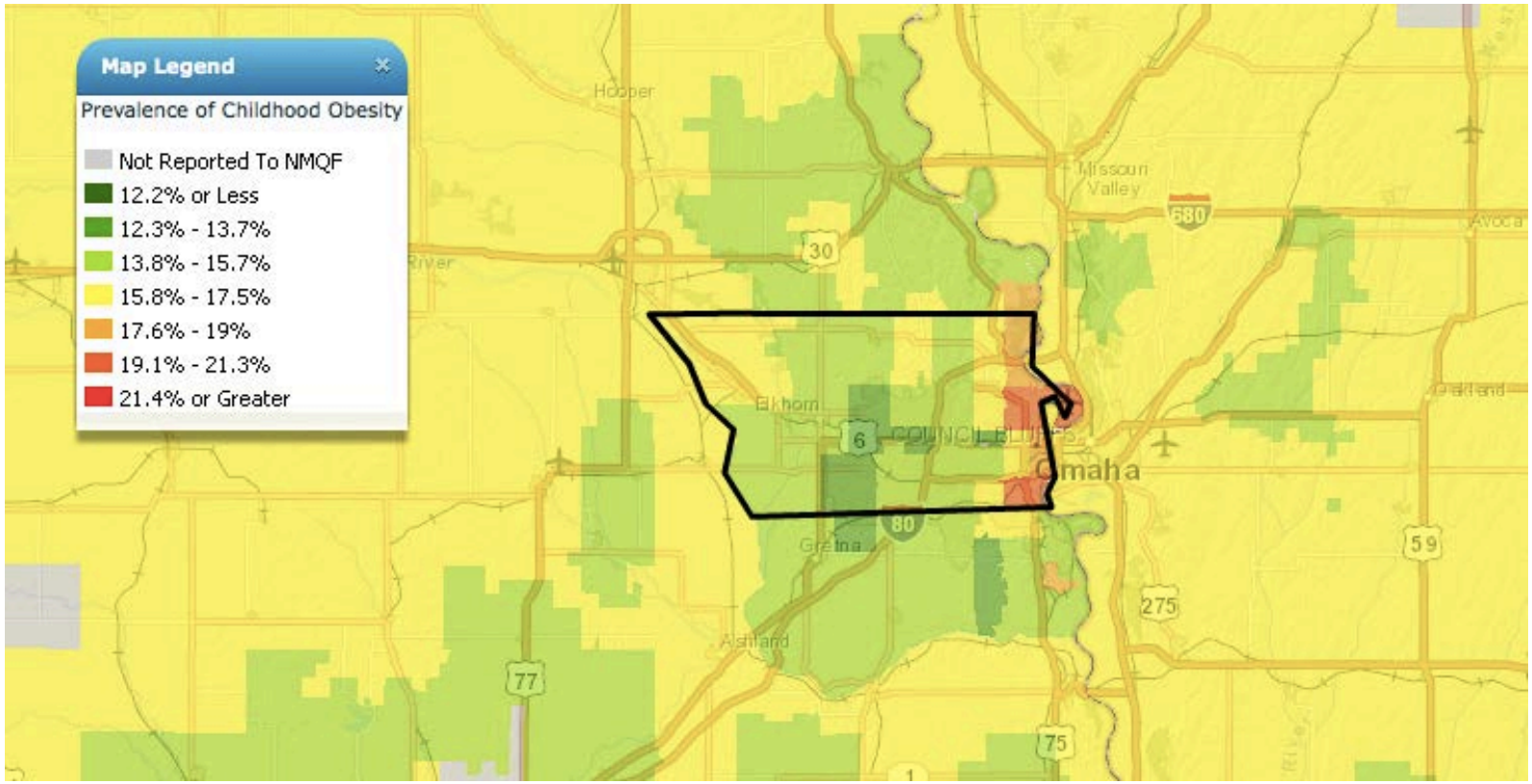
- Cox Communications
- CenturyLink
- Charter Communications
- Farmers Mutual Cooperative Telephone Company
- Frontier Communications of Iowa, LLC
- Great Plains Communications
- Griswold Cooperative Telephone Company
- Hooper Telephone Company
- HUNTEL, INC.
- Long Lines Metro
- MCC Iowa LLC
- Northeast Nebraska Telephone Co.
- Southwest Telephone Exchange
- Windstream
- Walnut Telephone Company
- Other

* Data sources: Connect Iowa; Nebraska Broadband Capacity Building Program

Heartland 2050

Risk Factors

Childhood Obesity (BMI>30), Metro Area



In our region, zip code more robustly predicts childhood obesity than education level, income, or genetics.

Property values are the best predictor of general obesity rates, too.

* Source: National Minority Quality Forum

Heartland 2050

What is Scenario Planning?

Planning: traditional approach

The Present

The Future

The scenario approach

Also called contingency planning

Today's choices influence the future!

What is Scenario Planning?

Develop a Range of Scenarios

A

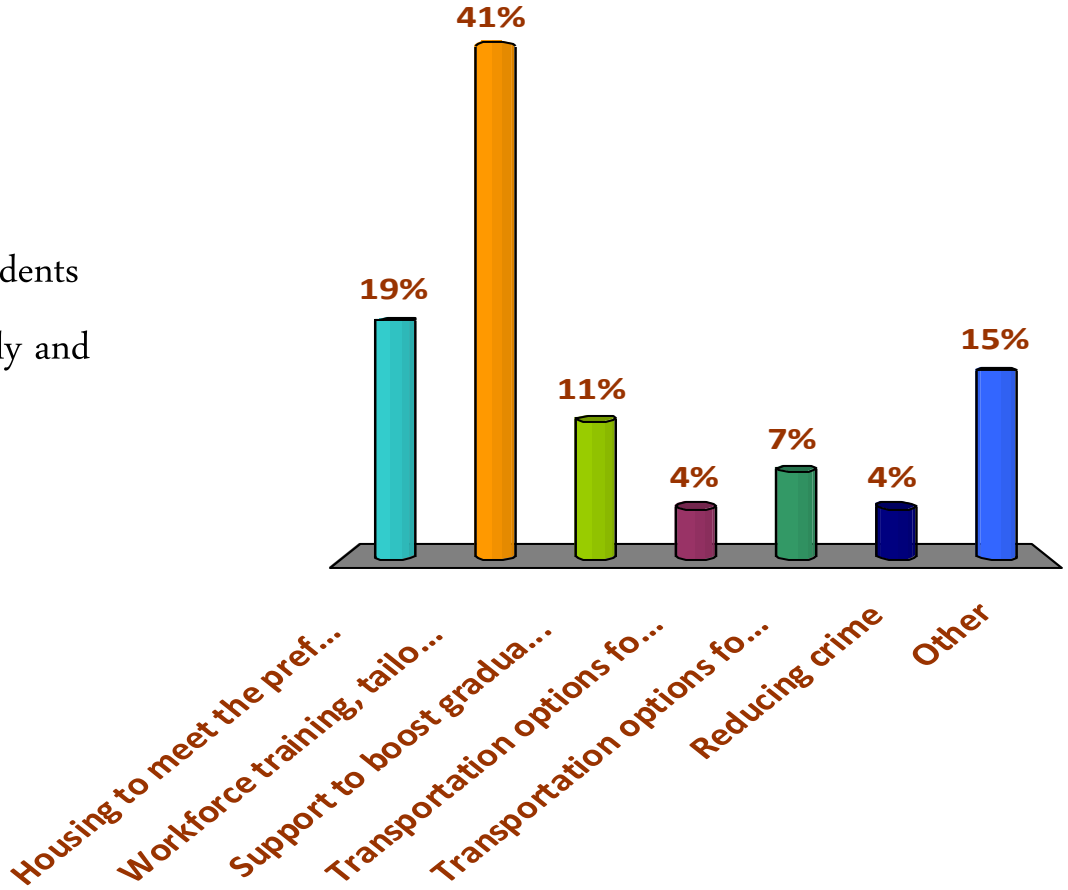
B

C

D

What should the region do to ensure all people in our community enjoy the highest quality of life?

1. Housing to meet the preferences and incomes of residents
2. Workforce training, tailored to local industries*
3. Support to boost graduation rates
4. Transportation options for rural residents
5. Transportation options for the elderly and disabled
6. Reducing crime
7. Other- i.e. better paying jobs



Map Exercise

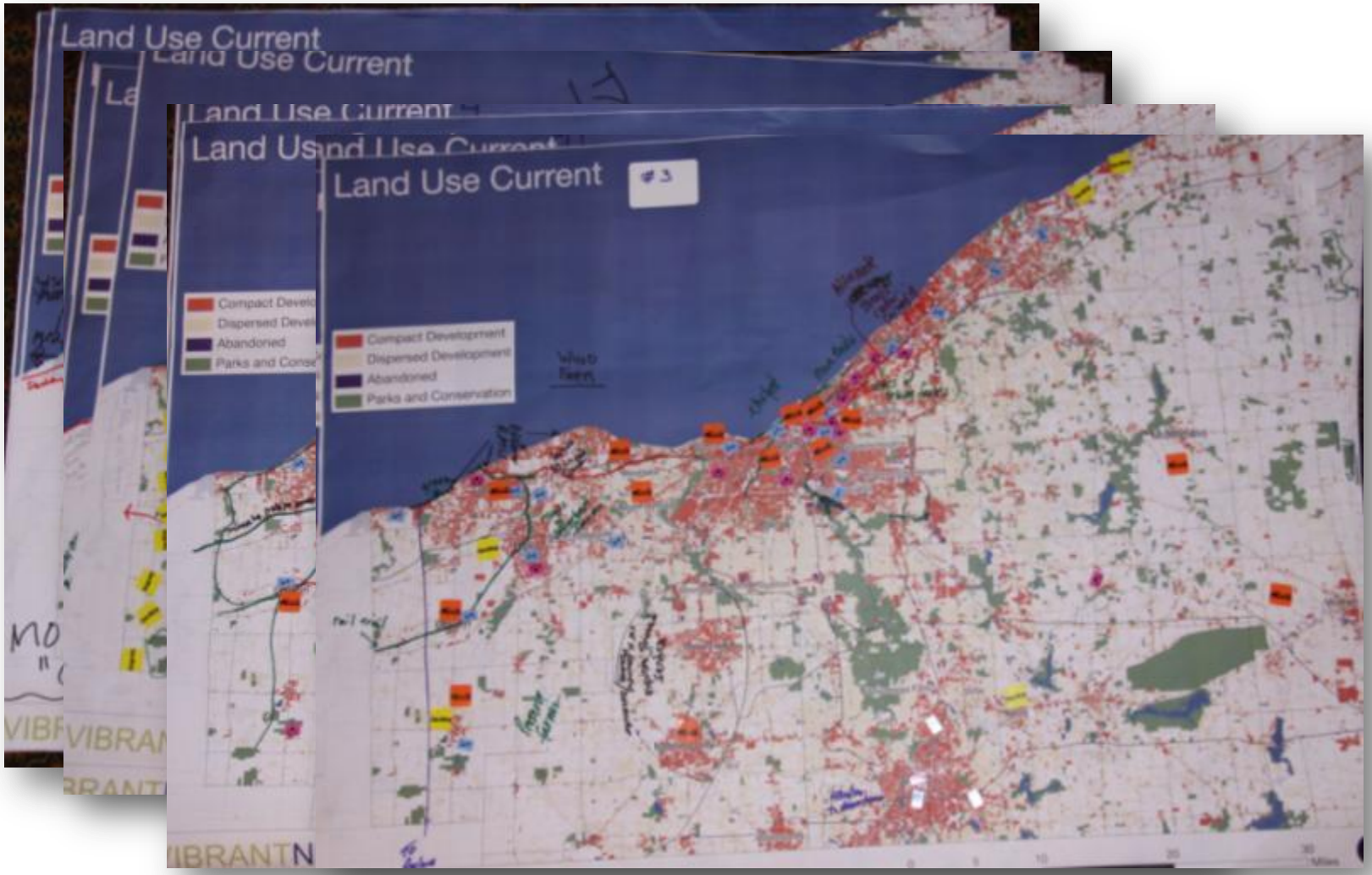
Group of 6-8 people discuss development of region

Map Exercise

Groups present maps and strategies

What happens *after* the workshop?

We gather all the workshop maps...

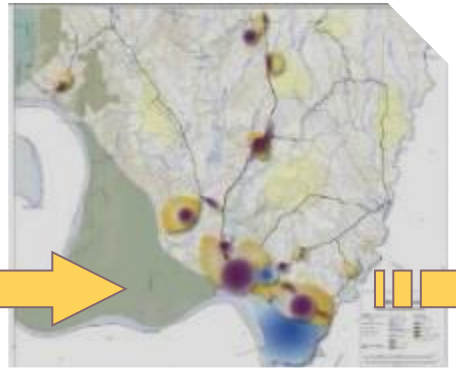


And digitize and analyze each one.

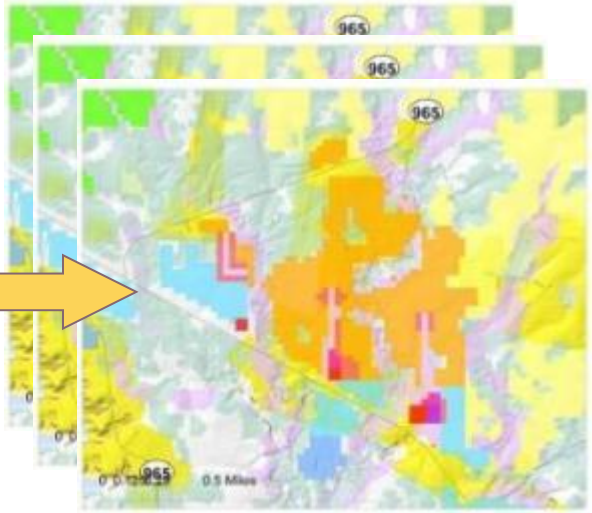
We use your maps to build scenarios.

Your Input

Concepts and Analysis



Alternative Scenarios



And then evaluate and compare the scenarios.

SCENARIO INDICATORS

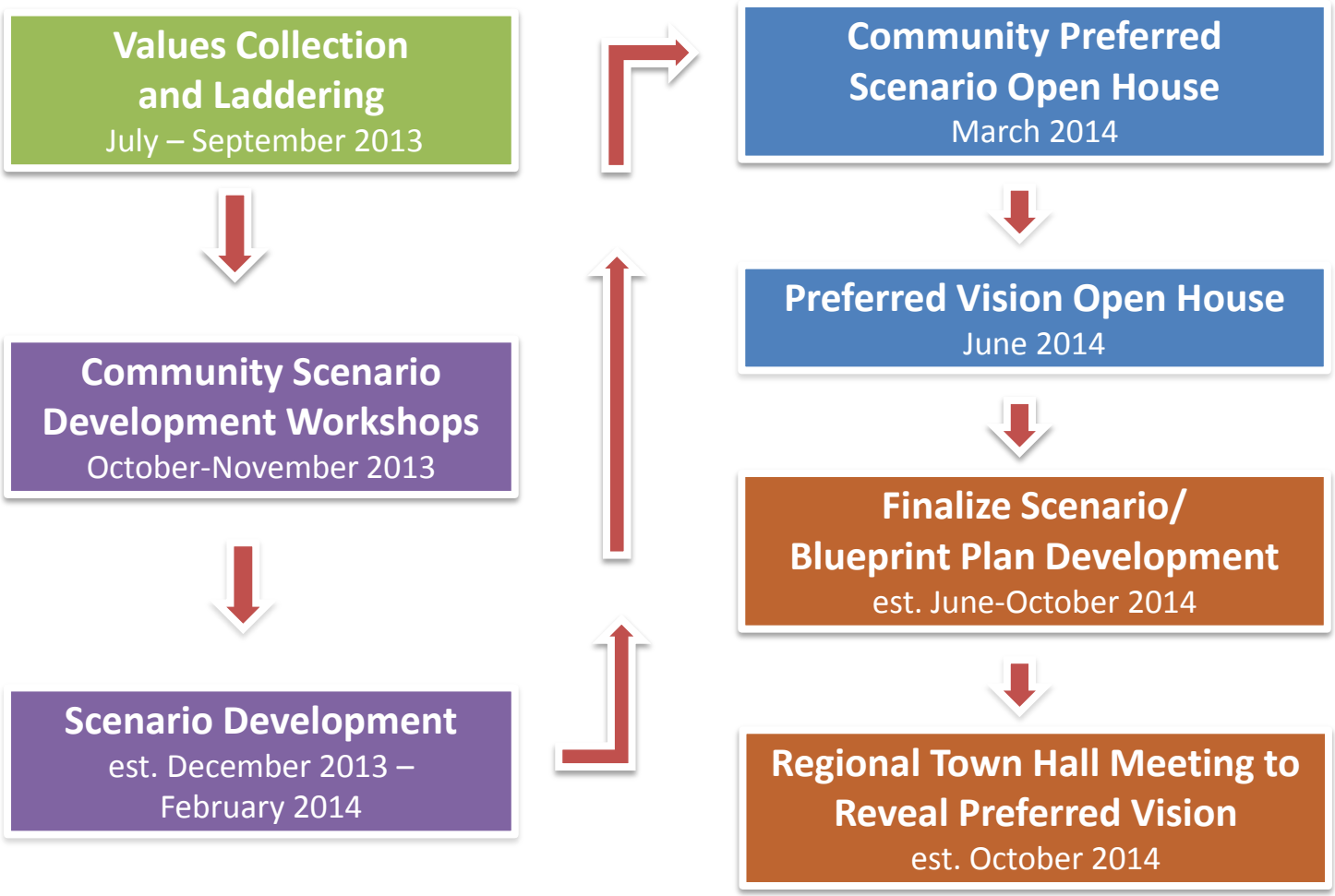
Compare each scenario's performance over the next couple of decades based on its impact on **people**, the **economy**, **transportation** and **the community and environment**.

Each indicator is based on **projections for the year 2030**.

CATEGORY	MEANING	A Trends Continue	B Main Streets	C New Centers	D Centered City
PEOPLE					
Population Growth *out of a total 164,000 expected residents*	Tulsa's future vitality depends a lot on its ability to grow. Each scenario performs differently in how it attracts newcomers to the city, instead of the suburbs.	28,000	72,000	101,000	102,000
New Housing Mix *% of all **new** construction*	Each scenario emphasizes a different mix of new kinds of housing.	35% / 62% / 3%	50% / 33% / 17%	22% / 12% / 66%	19% / 14% / 67%
Total Housing Mix *% of **all** housing units*	But overall, each scenario would result in Tulsa remaining a city with a majority of single-family homes.	35% / 62% / 3%	37% / 57% / 6%	32% / 63% / 5%	41% / 53% / 6%

inside the city | outside the city, suburbs

single family | town house | multi-family

What Happens Next?

Key elements of the community engagement process: