City Comprehensive Plan Update
Rochester, Minnesota

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Today

- Growth Trends & Projections

- Comprehensive Plan – Intro & Overview

- Next Steps

Rochester-Olmsted Planning Department

The big questions

As a community, how do we……..

- Accommodate for a variety of lifestyle choices including:

  - Housing

  - Transportation

  - Changing population

- Address our future labor shortage

- Attract world class talent

- Enhance our quality of life for residents of all backgrounds

City of Rochester Comprehensive Plan Update

- The comprehensive plan will set forth a vision and goals for the city's future-with focus on land use and development patterns, transportation systems, public utilities, and fiscal conditions-and will provide the foundation for policies and strategies to implement the Plan.

- This P2S project employs an integrated land use, transportation, and fiscal analysis and computer-aided modeling process to evaluate alternative scenarios for the future growth and development of the city.

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Legislative Support to Plan

- **462.351 MUNICIPAL PLANNING AND DEVELOPMENT; POLICY STATEMENT.**

- The legislature finds that municipalities are faced with mounting problems in providing means of *guiding future development of land so as to insure a safer, more pleasant and more economical environment for residential, commercial, industrial and public activities, to preserve agricultural and other open lands*, **and to promote the public health, safety, and general welfare**. Municipalities can prepare for anticipated changes and by such preparations bring about significant savings in both private and public expenditures. Municipal planning, by providing *public guides to future municipal action, enables other public and private agencies to plan their activities in harmony with the municipality's plans*. Municipal **planning will assist in developing lands more wisely to serve citizens more effectively, will make the provision of public services less costly, and will achieve a more secure tax base**. It is the purpose of sections 462.351 to 462.364 to provide municipalities, in a single body of law, with the necessary powers and a uniform procedure for adequately conducting and implementing municipal planning.

Rochester-Olmsted Planning Department
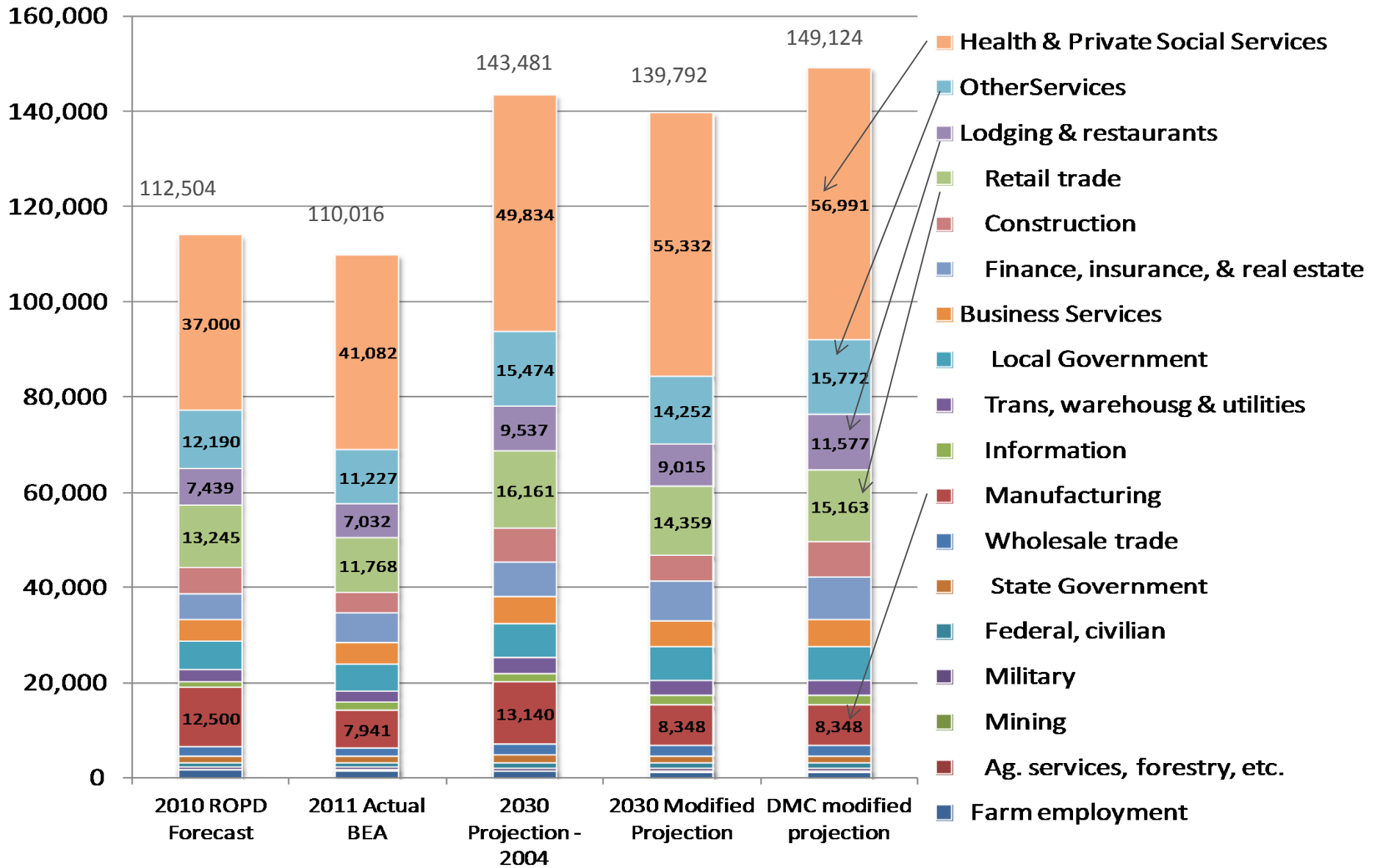
Rochester Comprehensive Plan

- Integrated Approach

- Physical Development – in context of projected growth & Change

  - Settlement patterns

  - Land use

  - Transportation
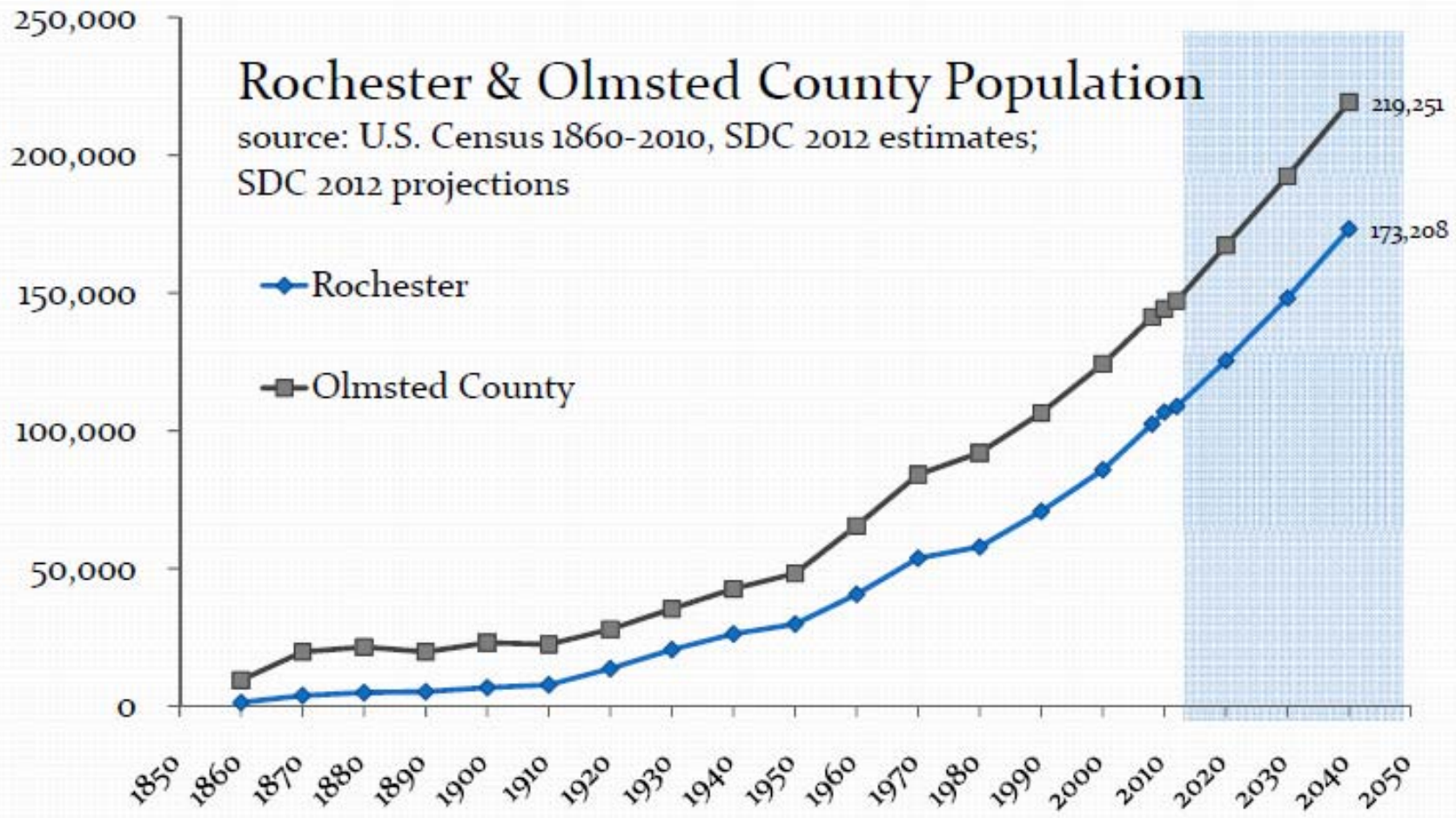
  - Utilities (i.e. Sanitary Sewer)

- Fiscal Impacts

NOT all elements of community dynamics, needs, government services, or aspirations are included.

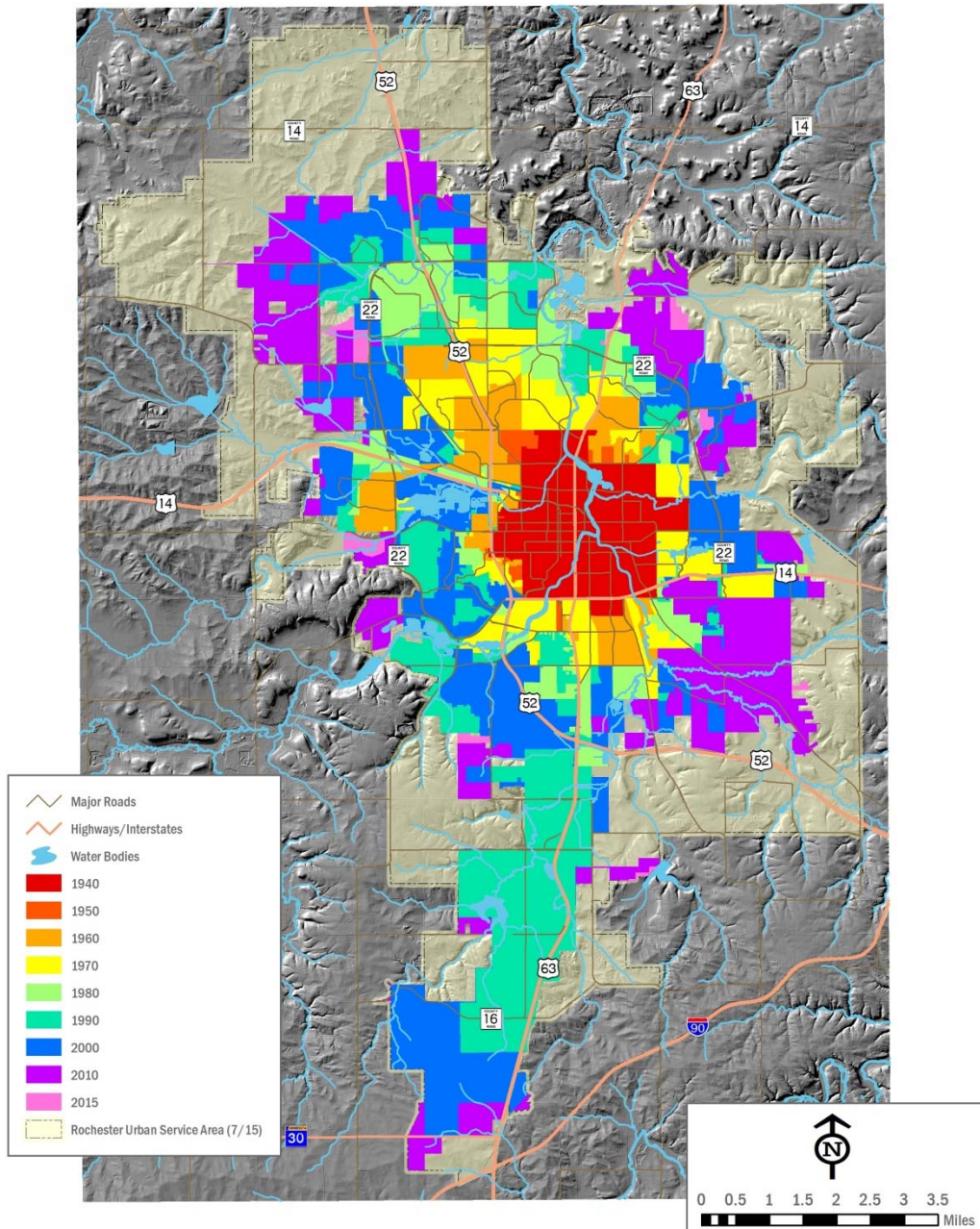# Recession-Revised Employment Projections based on adjustment by industry w/ DMC

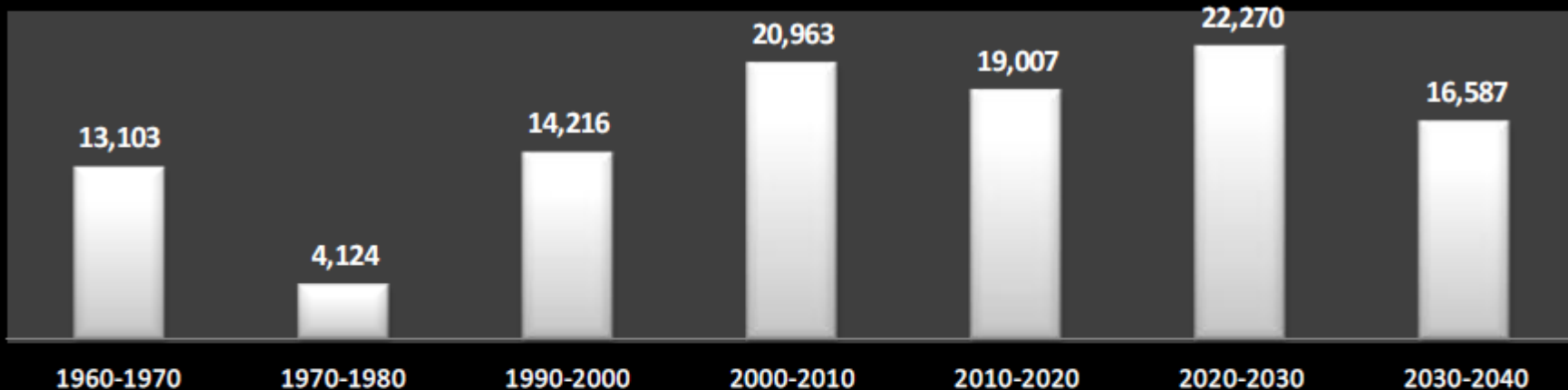Bar chart showing employment projections by industry for five scenarios: 2010 ROPD Forecast (112,504), 2011 Actual BEA (110,016), 2030 Projection - 2004 (143,481), 2030 Modified Projection (139,792), and DMC modified projection (149,124).

Legend (top to bottom):
- Health & Private Social Services
- OtherServices
- Lodging & restaurants
- Retail trade
- Construction
- Finance, insurance, & real estate
- Business Services
- Local Government
- Trans, warehousg & utilities
- Information
- Manufacturing
- Wholesale trade
- State Government
- Federal, civilian
- Military
- Mining
- Ag. services, forestry, etc.
- Farm employment

Selected values:
- 2010 ROPD Forecast: 37,000 / 12,190 / 7,439 / 13,245 / 12,500
- 2011 Actual BEA: 41,082 / 11,227 / 7,032 / 11,768 / 7,941
- 2030 Projection - 2004: 49,834 / 15,474 / 9,537 / 16,161 / 13,140
- 2030 Modified Projection: 55,332 / 14,252 / 9,015 / 14,359 / 8,348
- DMC modified projection: 56,991 / 15,772 / 11,577 / 15,163 / 8,348

Population: History & Projections

Rochester & Olmsted County Population
source: U.S. Census 1860-2010, SDC 2012 estimates; SDC 2012 projections

Rochester's Historic Growth Patterns

Data Source: Rochester-Olmsted Planning Department

Legend:
- Major Roads
- Highways/Interstates
- Water Bodies
- 1940
- 1950
- 1960
- 1970
- 1980
- 1990
- 2000
- 2010
- 2015
- Rochester Urban Service Area (7/15)

N

0 0.5 1 1.5 2 2.5 3 3.5 Miles

Historic and Projected Population Change

Population Change by Decade - Rochester

1960-1970	1970-1980	1990-2000	2000-2010	2010-2020	2020-2030	2030-2040
13,103	4,124	14,216	20,963	19,007	22,270	16,587

Annual Population Growth Rate - Rochester

1960-1970	1970-1980	1990-2000	2000-2010	2010-2020	2020-2030	2030-2040
2.83%	0.74%	2.15%	2.21%	1.65%	1.64%	1.07%
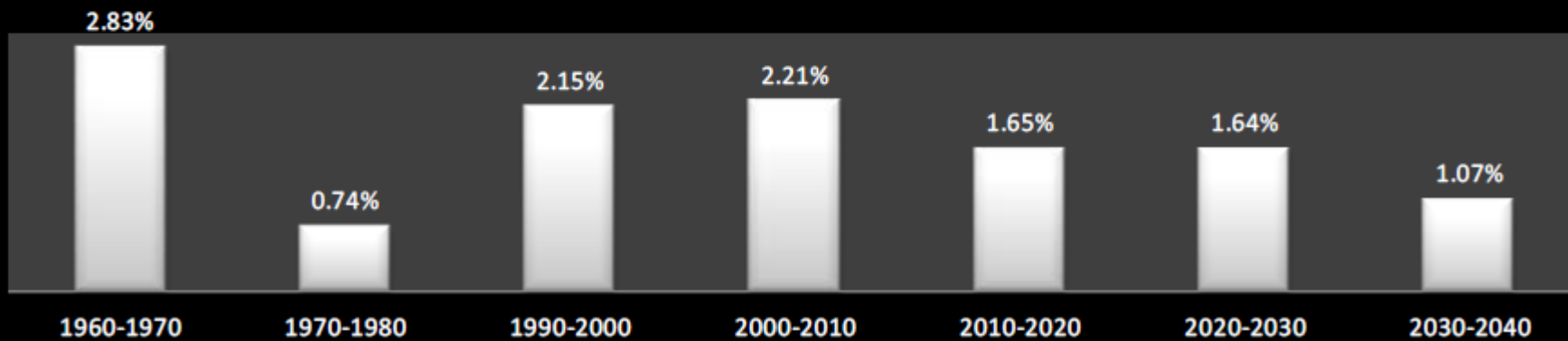
Sources of Population Change

Components of Change 2000-2012	Olmsted County
Births	26,627
Deaths	10,406
Natural Increase	16,221
International net migration (97% of net migration)	6,258
Domestic net migration	178
Total Net Migration	6,436

Source: ROPD based on Census estimates: http://www.census.gov/

Household Types
2000, 2010, and Projected

Olmsted County	2000 Actual	Actual 2010	Projected 2030	Total Change 2000-2010	Share of Growth	Total Change 2010-2030	Share of Growth
Married couples with related children	13,553	13,287	14,130	-266	-2.9%	843	4.7%
Married couples without related children	13,540	17,258	25,910	**3,718**	**40.1%**	**8,652**	**48.4%**
Other families with related children	3,703	4,586	5,430	883	9.5%	844	4.7%
Other families w/o related children	1,512	2,562	2,490	1,050	11.3%	-72	-0.4%
Living alone	12,358	15,524	22,760	**3,166**	**34.1%**	**7,236**	**40.5%**
Living alone, age 65+	3,656	4,730	9,730	**1,074**	**11.6%**	**5,000**	**28.0%**
Other nonfamily households	3,141	3,863	4,230	722	7.8%	367	2.1%
Total households	47,807	57,080	74,950	9,273	100.0%	17,870	100.0%
Householders ages 15 to 24	3,076	2,726	4,350	-350	-3.8%	1,624	9.1%
Householders ages 25 to 44	21,267	21,063	23,470	-204	-2.2%	2,407	13.5%
Householders ages 45 to 64	15,012	22,036	24,570	7,024	**75.7%**	2,534	14.2%
Householders age 65 and older	**8,539**	**11,255**	**22,560**	2,716	29.3%	11,305	**63.3%**

From 2000 to 2010, 93% of net household growth was in households without children.

Source: 2000 & 2010 Census; SDC forecasts

Labor Force

Olmsted County Labor Force Gap

Age Group	2010	2030	2040	Labor Force Growth
15-24	10,300	12,600	12,600	2,300
25-44	35,200	41,700	46,600	11,400
45-64	31,000	36,100	39,000	8,000
65+	2,800	8,200	8,000	5,200
Projected Growth in Olmsted Co Workforce				26,900
Projected Olmsted County Job Growth				57,440
Jobs filled by Residents (assumes 10% hold multiple jobs)				29,900
Labor Force Gap				27,540
Projected Growth in Commuters (20,500 to 32,600)				12,100
Additional Annual Workforce Growth Needed				500
Can be met by higher Labor Force Participation; greater in-migration, more commuters				
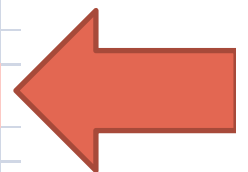
Trends in Housing Affordability

tenure	2000	2007-11
households for whom ratio of cost to income is computed	40,250	55,702
owners paying over 30% of income for housing	3,856	9,436
renters paying over 30% of income for housing	4,056	5,804
all households paying over 30% of income for housing	7,912	15,240
% of owners paying over 30% …	**13.1%**	**22.0%**
% of renters paying over 30% …	**37.4%**	**45.2%**
% of all households paying over 30% …	**19.7%**	**27.4%**

Source: 2000 Census & Census ACS 2007-11

11/11/2015

The big questions

As a community, how do we……..

- Accommodate for a variety of lifestyle choices including:

  – Housing

  – Transportation

  – Changing population

- Address our future labor shortage

- Attract world class talent

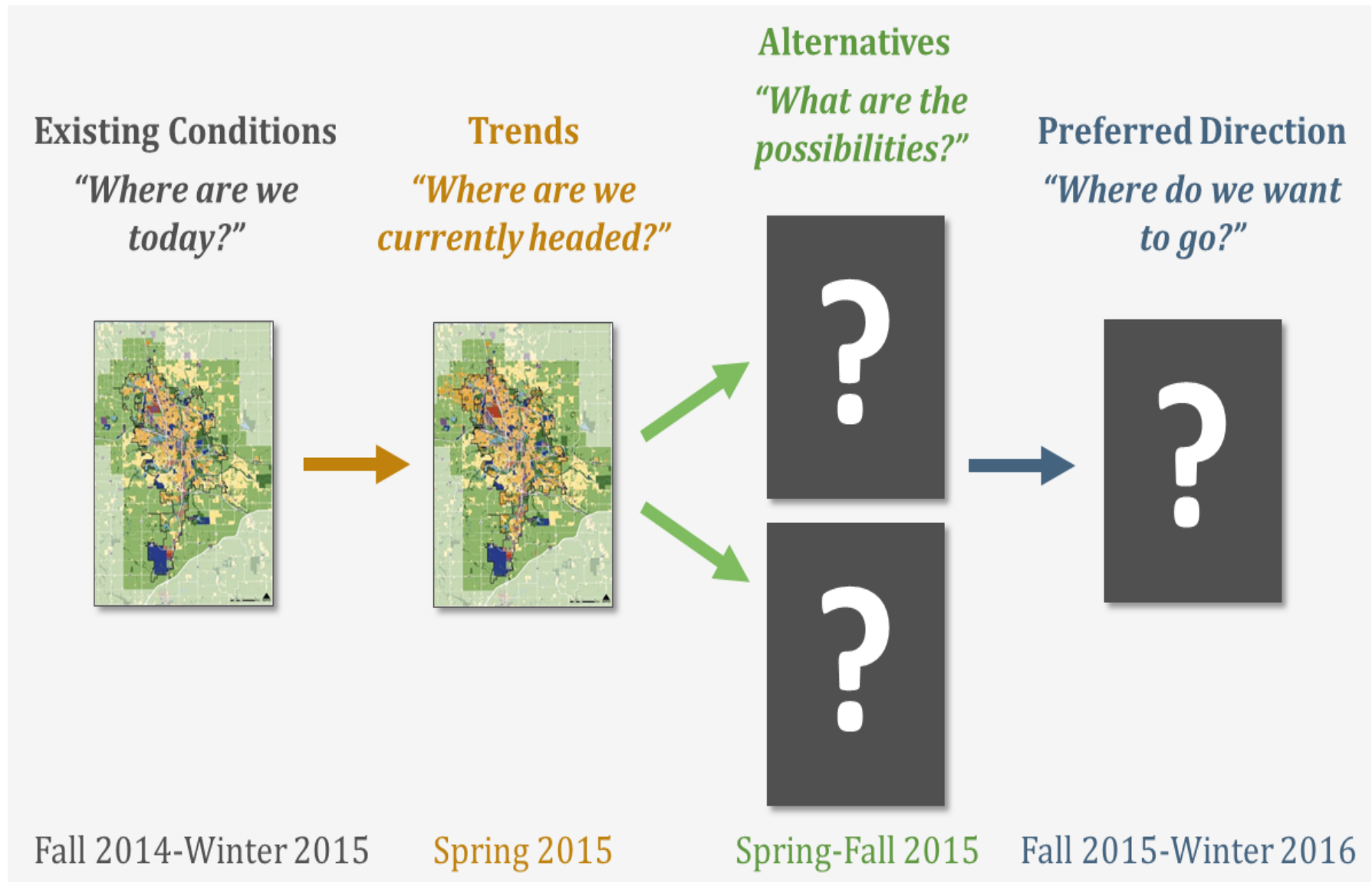- Enhance our quality of life for residents of all backgrounds

About the Scenario Modeling Process

- Scenario development is a process for exploring possible futures for the City of Rochester.

- In what ways might Rochester grow to achieve the desired vision?

- **Not the plan itself, but a way of testing possibilities**

1 Trends Scenario	**2** Alternative Scenarios	**3** Preferred Scenario
"Where are we headed currently?"	*"What are the possibilities?"*	*"Where do we want to go?"*

Scenario Exploration

Existing Conditions

"Where are we today?"

Trends

"Where are we currently headed?"

Alternatives

"What are the possibilities?"

Preferred Direction

"Where do we want to go?"

?

?

?

?

Fall 2014-Winter 2015

Spring 2015

Spring-Fall 2015

Fall 2015-Winter 2016

Compare 3

TRENDS:

- Similar trajectory, how we've grown over past 20+ years

ALTERNATIVE SCENARIOS:

Consider transit system improvements & associated land uses to support

- Nodes & links

- Super Nodes

Comparing & Evaluating Anticipated Outcomes – Data Driven

Trends Scenario

- What if recent growth and development trends continue?

  - Continued corporate expansion into the urban services area

  - Low-density, single family development patterns in edge areas

  - Corridor-oriented commercial/industrial growth

  - Intensification of downtown development (per downtown master plan projections)

  - Similar transit demand/service growth as past 15-20 yrs

- Trends scenario model and indicators completed March 2015

TRENDS SCENARIO

Generalized Land Use
- Residential
- Non-Residential (Employment)
- Parks & Protected Open Space
- Water
- Other

NORTH
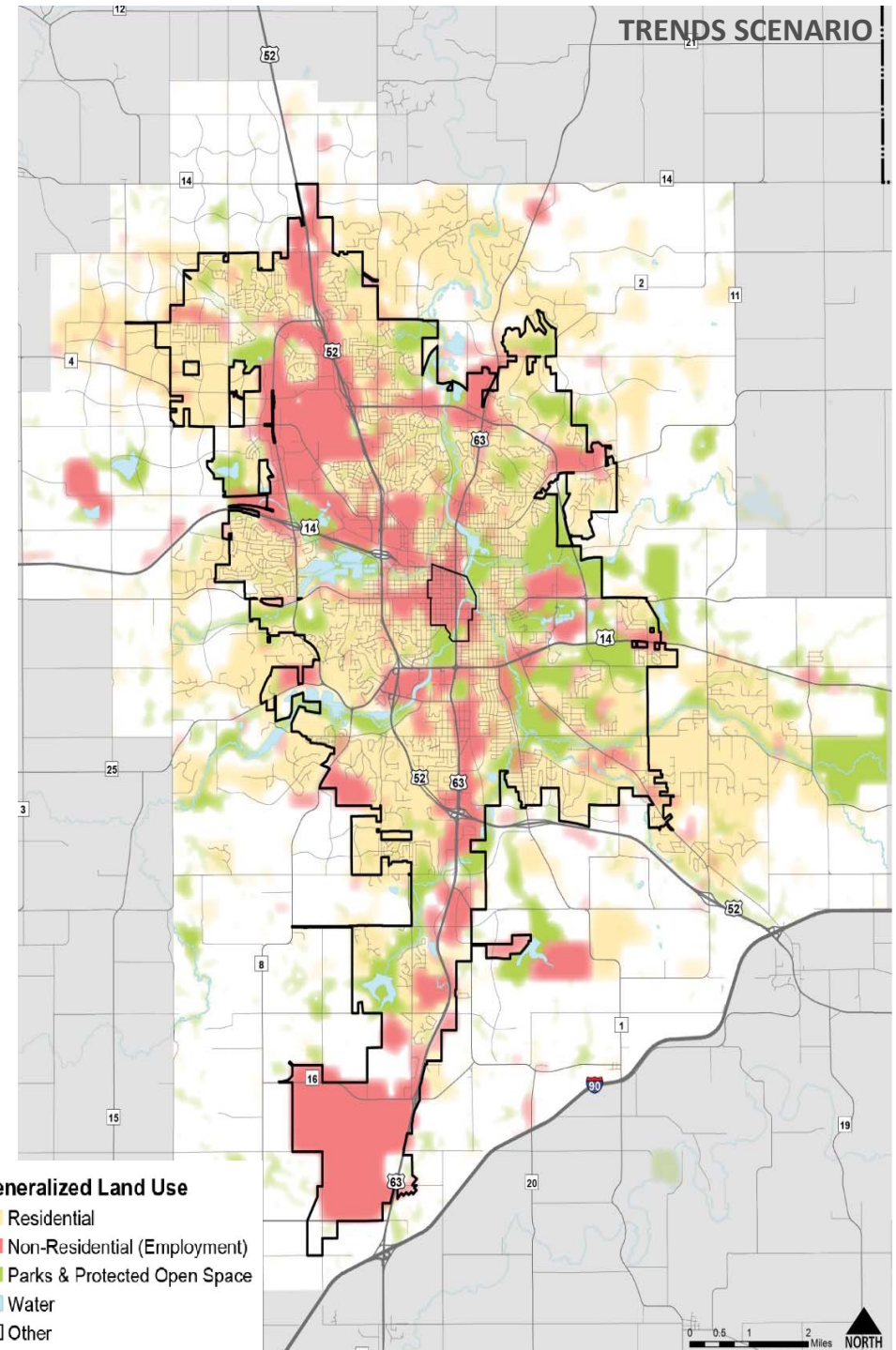
Exploring Alternatives (current phase)

- Two alternative scenarios were developed based on input from community members, professional staff, and other stakeholders

- Key inputs/messages:

  - Improve and expand transit service (higher frequency, longer hours, etc.)

  - Enhance bike and pedestrian environment and facilities

  - Ensure access to amenities throughout the city

  - Utilize existing infrastructure systems to support new growth (efficiency, fiscal responsibility, sustainability)

  - Explore targeted infill and redevelopment (including higher density, mixed use) within key nodes and corridors

  - Allow some edge growth/corporate expansion; accommodate market demand for single family/suburban development

Alt 1: "Filling in the City"

- Targeted infill and redevelopment of key nodes and corridors

- DMC projections

- Some redevelopment in core neighborhoods

- No growth outside of existing city boundary

- Higher transit demand & service

Legend:
- Nodes
- Corridors
- Core Neighborhoods
- DMC Boundary
- Rochester City Limits
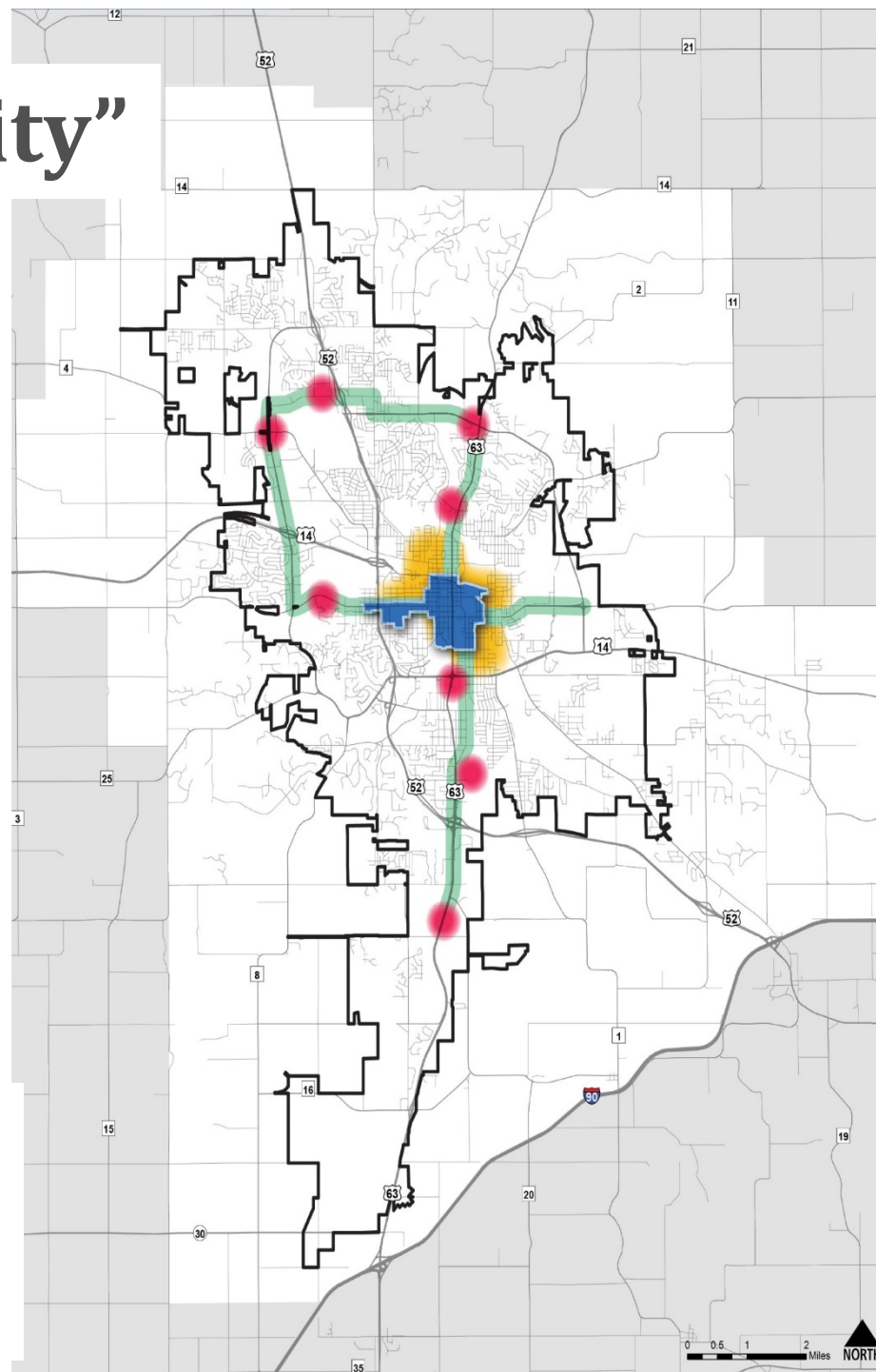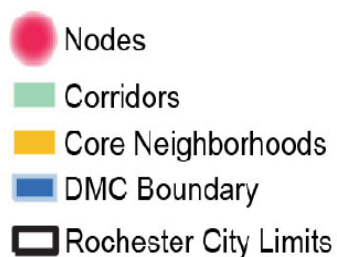
Alt 2: "Limited Expansion"

- Targeted infill/redevelopment of one primary corridor connecting two larger nodes

- DMC projections

- Some redevelopment in core neighborhoods

- Limited growth outside of existing city boundary

- Higher transit demand and service

Nodes
Corridors
Core Neighborhoods
DMC Boundary
Rochester City Limits
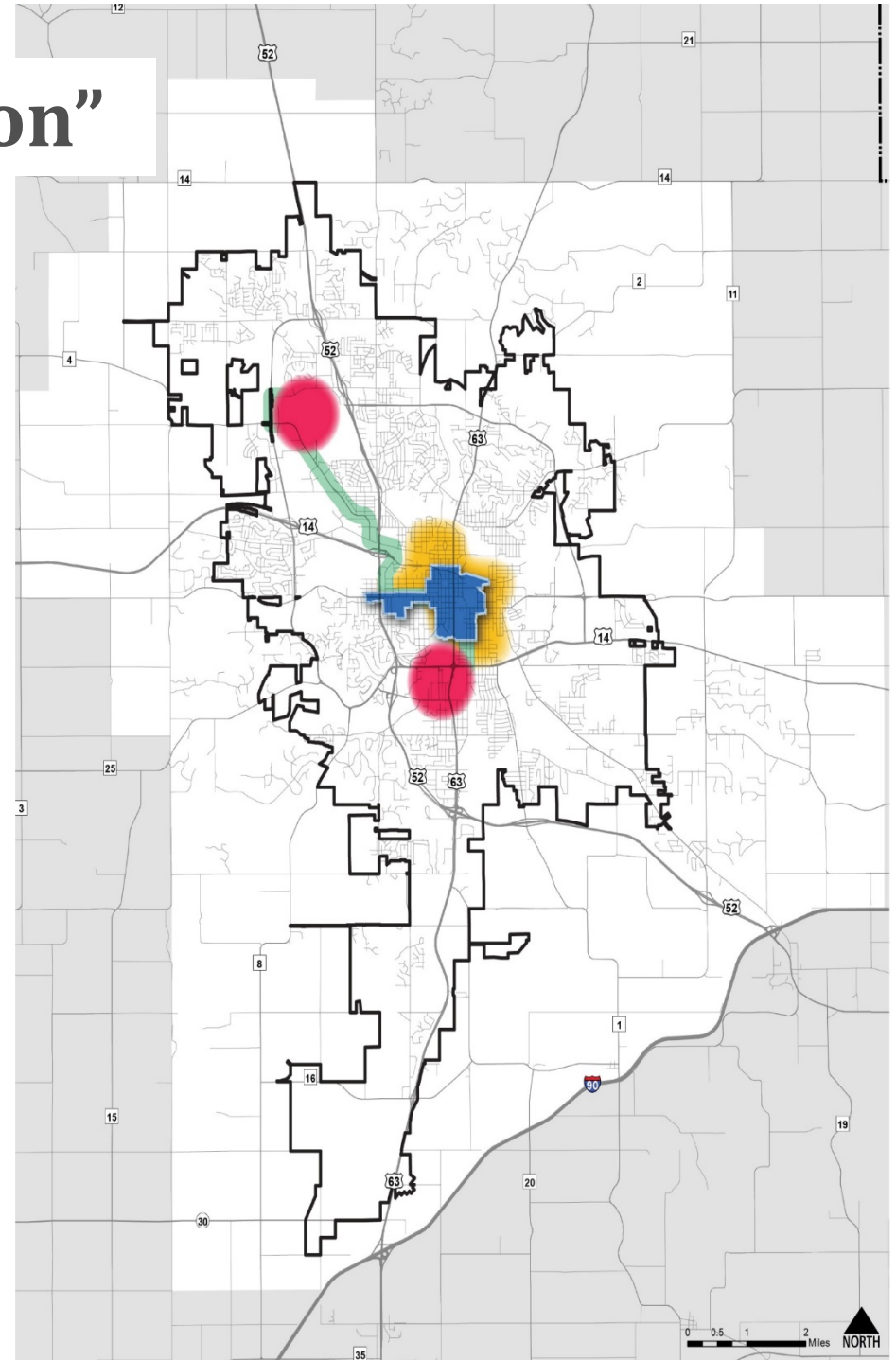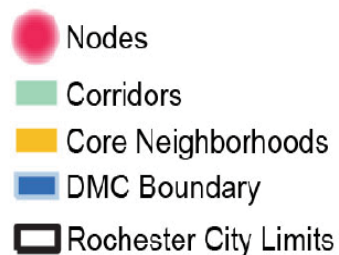
Evaluating Alternatives

- Indicators are a set of measurements that help to evaluate the impacts of the land use model

- Sets of Outcomes to compare

- Informed decisions – Priorities & Preferences

Example Indicators
Land Use and Development

- Land Use

- Land Consumption

- Impervious surface

- Residential Land Uses

  – Growth Areas

  – Population Density

  – Housing Diversity

Non-Residential Land Uses

  – Growth areas

  – Employment Density

  – Parkland per capita

NOTE: All of the indicators listed here can also be viewed as indicators of Community Health and Environmental Quality

Example Indicators
Transportation

- Roadway Congestion

- Greenhouse gas emissions from vehicle use

- Proximity to transit

- Transit Demand

- Active transit propensity

- 20-minute neighborhood

- Downtown access mode share
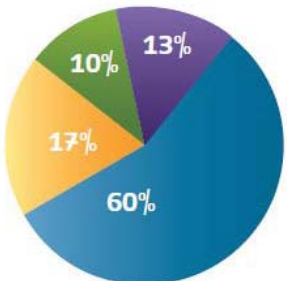
- Safety

- System connectivity

NOTE: All of the indicators listed here can also be viewed as indicators of Community Health and Environmental Quality
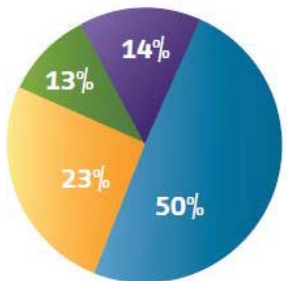
Downtown Access Mode Share

2008 Actual
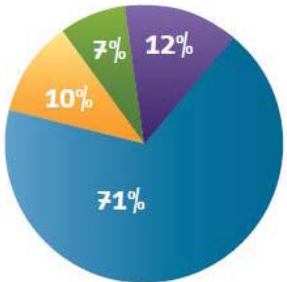
2020 Goal

2030 Goal

DRIVE ALONE
TRANSIT
WALK/BIKE
CARPOOL

From Downtown Rochester Master Plan

Trends Scenario:

- Drive Alone: 64%

- Transit: 14%

- Walk/Bike: 9%

- Carpool: 13%

- **Under the Trend Scenario, we will not meet our 2030 Mode Share Goals** *(Goal is 50% drive alone to work)*

Example Indicators
Fiscal Impact

- Transportation

  - Capital costs

  - Lifecycle costs

  - Transit spending per capita

  - Proximity to transit

- (Non-Transportation) Infrastructure

  - Capital costs

  - Lifecycle costs

- Economic value creation

NOTE: All of the indicators listed here can also be viewed as indicators of Community Health and Environmental Quality

Example Indicators
Environmental

- Greenhouse Gas (GHG)

- Transportation Energy Use

- Air/Water Quality

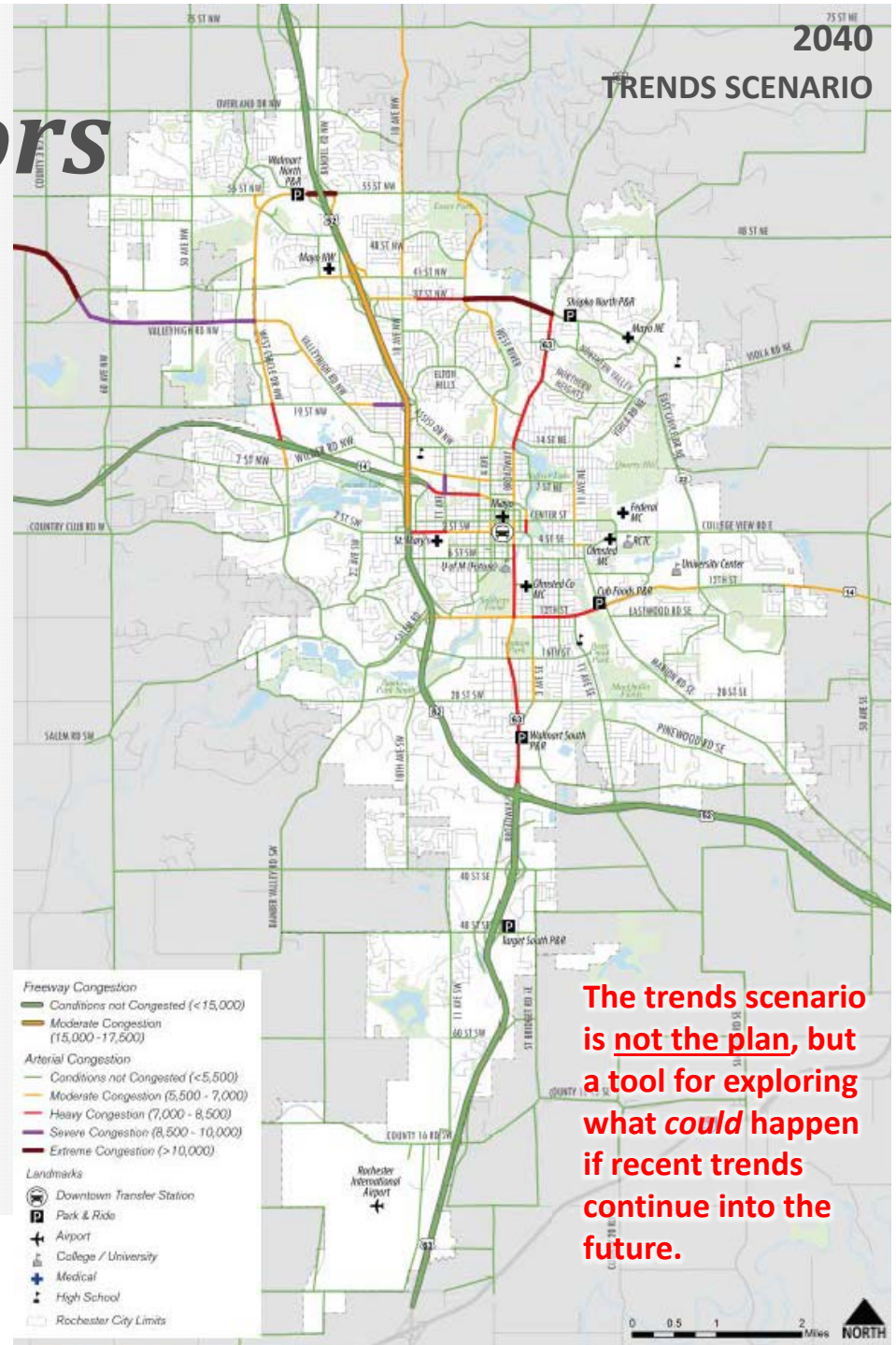| Trend Scenario		
Daily VMT	4,274,547	
Pollutant	Value	Units
CO2	1,757	metric tons
VOC	9,735	lbs
THC	10,140	lbs
CO	88,504	lbs
NO x	6,525	lbs
PM10	41	lbs
PM2.5	39	lbs
Gasoline Consumption	197,896	gallons

Example Indicators
Roadway Congestion

2015
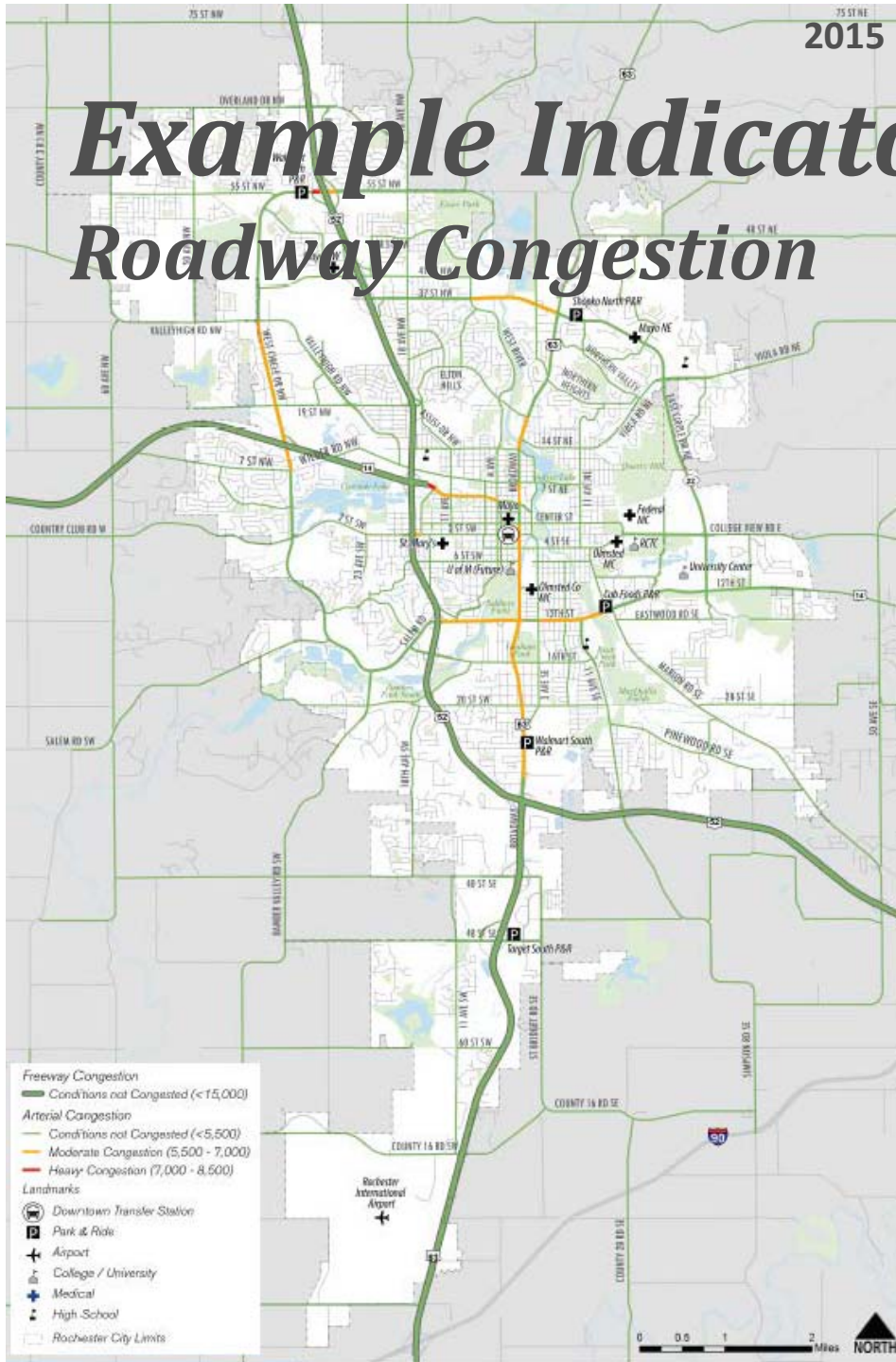
2040
TRENDS SCENARIO

The trends scenario is <u>not the plan</u>, but a tool for exploring what *could* happen if recent trends continue into the future.

IMPACT

PUBLIC INFRASTRUCTURE & FINANCING DECISIONS

Settlement Patterns

Public Service Demands & Geographic Area

Energy, Resources, Environment

Transportation, Utility, Patterns, Systems

Transportation, Utility, CO$T Short & Long Term

System maintenance & life cycle costs

Viability of Transit

Demand for Parking

SAC/WAC costs

Tax Revenue - $

Externalities

AFFORDABILITY Housing, Transportation

Access & Mobility

Resource Needs - $

Social & Family Support Needs

Quality of Life

COMMUNITY RESILIENCE & ECONOMIC COMPETITIVENESS

Rochester-Olmsted Planning Department

Value to the Community

- Ensures efficient public resources, facilities, and infrastructure
- Promotes a common vision for Rochester based on community values and priorities
- Establishes a framework to prioritize, coordinate, and leverage public and private investments

- **Provides a framework for strategic, intentional, decisions**

- Like current plans, allows flexibility and discretion

Timeline

May 2015:
Existing Conditions
Technical Memos
Completed

March 2015:
Trends Scenario
Model Completed

Fall 2015:
Alternative Scenario
Models Completed

1st Quarter 2016:
Draft Plan

2st Quarter 2016:
Final Plan

PROJECT KICKOFF

EXISTING CONDITIONS

SCENARIO DEVELOPMENT

PLAN DEVELOPMENT

2014   2015   2016

* WE ARE HERE!

June 2014:
Project Kickoff

Fall 2014:
Focus Groups,
Surveys, Toolkits

January 2015:
Initial Community
Workshop

May 2015:
Trends Scenario
Workshops

Fall/Winter 2015:
Alternative Scenarios
Workshops

Spring 2016:
Plan Review, Public
Hearings, Adoption

P2S *PLANNING 2 SUCCEED* **ROCHESTER** COMPREHENSIVE PLAN 2040

Thank You!