

TABLE OF CONTENTS

	Page		Page
Report Summary- Vision Statement	xvii	Groundwater Supply	2-11
Chapter 1- INTRODUCTION		Surface Water Resources	2-11
Background	1-1	Planning History of the Village of Eagle	2-12
Planning Benefits.....	1-1	Survey Results	2-12
Comprehensive Planning Law.....	1-2	Quality of Life	2-12
Governmental Partnership.....	1-2	Agricultural Natural and Cultural Resources ..	2-13
Advisory Committee and Staff Structure	1-3	Community Services and Facilities	2-13
Plan Elements	1-3	Housing	2-13
Trends, Issues, and Opportunities Element	1-3	Economic Development	2-13
Agricultural, Natural and Cultural Element.....	1-4	Transportation	2-13
Community Facilities and Utilities Resources	1-4	Land Use	2-13
Housing Element	1-5	Chapter 3- OBJECTIVES, PRINCIPLES	
Economic Development Element	1-6	AND STANDARDS	
Transportation Element	1-6	Formulation of Objectives	3-1
Land Use Element	1-7	General Development Objectives	3-2
Intergovernmental Cooperation and		Specific Development Objectives.....	3-2
Implementation Element	1-8	Formulation of Standards	3-3
Plan Amendment Process	1-8	Balancing of Planning Standards	3-3
Public Involvement.....	1-9	Planning Objectives, Principles, and Standards ..	3-4
Comprehensive Development Plan Outline	1-10	Objective No. 1 - Agricultural, Natural and	
Chapter 2 – TRENDS, ISSUES, AND		Cultural Resources	3-4
OPPORTUNITIES ELEMENT		Objective No. 2 - Agri. Land Preservation	3-6
Demographic and Economic Base.....	2-1	Objective No. 3 - Open Space Preservation ...	3-7
Population Growth by County.....	2-1	Objective No. 4 - Water Resources	3-8
Waukesha County Community		Objective No. 5 - Historic Resources	3-8
Population Trends.....	2-1	Community Facilities and Utilities	3-9
Components of Population Change.....	2-1	Objective No. 1 - Infrastructure	3-9
Racial Composition.....	2-2	Objective No. 2 - Police Services	3-9
Household Trends	2-2	Objective No. 3 - Emergency Services	3-10
Household Size.....	2-3	Objective No. 4 - Library Services	3-10
Median Age.....	2-3	Objective No. 5 - Educational Services	3-10
Age Composition	2-3	Housing	3-11
Household Income	2-4	Objective No. 1 - Adequate Housing.....	3-11
Employment Trends.....	2-4	Objective No. 2 - Variety of Housing	3-11
Educational Attainment	2-5	Objective No. 3 - Preserve Historic Housing ...	3-12
Summary of Population Characteristics	2-6	Economic Development.....	3-12
Urban Growth and Development.....	2-6	Objective No. 1 - Diversify Economic Base	3-12
Urban Growth Ring Analysis	2-6	Objective No. 2 - Manufacturing Development	3-12
Population Projections.....	2-8	Objective No. 3 - Revitalize Downtown	3-13
Population Projections for Waukesha County..	2-8	Objective No. 4 - Develop Tourism	3-13
Land Use Inventory	2-10	Transportation.....	3-14
Land Use Changes 1963-2000	2-11	Objective - Multi-Modal Transportation	3-14
Natural Resources.....	2-11		

	Page		Page
Land Use	3-15	Yard Waste	5-6
Objective No. 1 - Balance Allocation of Land.	3-15	Stormwater Management.....	5-6
Objective No. 2 - Compatible Land Uses	3-16	Storm-water Utility Districts	5-6
Objective No. 3 - Supporting Transportation... ..	3-17	Gas and Electric Utilities	5-8
Objective No. 4 - Residential Development	3-18	WE Energies	5-8
Objective No. 5 - Commercial and Industrial ..	3-19	Communication Utilities	5-8
Objective No. 6 - Infill Development	3-19	Telecommunication Services	5-8
		Wireless Service	5-8
Chapter 4 – AGRICULTURAL, NATURAL		Education	5-10
AND CULTURAL RESOURCES ELEMENT		Public School Districts	5-10
Strengths and Weaknesses.....	4-1	Colleges and Universities	5-10
Geology and Physiography.....	4-1	Local Government Departments	5-12
Surface Geology and Physiography	4-1	Eagle Municipal Building	5-12
Bedrock Geology	4-2	Alice Baker Library Services.....	5-12
Natural Resources and Sensitive Areas	4-2	Eagle Fire and Emergency Services Dept.....	5-12
Topography	4-2	Law Enforcement Department.....	5-12
Significant Geological Sites	4-6	Shared Dispatch	5-13
Agricultural Resources	4-4	Park and Recreation Services	5-14
Soils.....	4-4	Healthcare Facilities.....	5-14
Prime Agricultural Lands.....	4-4	Childcare Facilities	5-14
Water Resources.....	4-6	Cemeteries.....	5-14
Streams and Surface Waters.....	4-6	Community Facilities and Utilities	
Watersheds, Drainage, Floodplains and		Objective No. 1-5.....	5-15
Wetlands.....	4-8	Implementation Recommendations.....	5-17
Aquifer Recharge Areas.....	4-8		
Groundwater Availability.....	4-8	Chapter 6—HOUSING ELEMENT	
Woodlands.....	4-8	Comprehensive Plan Requirements	6-1
Environmental Resources	4-11	Census Data	6-2
Climate	4-12	Strengths and Weaknesses	6-2
Air Quality.....	4-13	Part 1: Inventory	6-2
Cultural and Historic Resources	4-13	Housing Supply.....	6-2
History of Eagle	4-13	Total Housing Units.....	6-3
Other Prominent Cultural & Historic Resources.	4-15	Vacancy	6-3
Agricultural Natural and Cultural Resources		Value.....	6-4
Objectives No. 1- 6	4-17	Monthly Housing Costs	6-6
Agricultural, Natural, and Cultural Resources		Number of Bedrooms.....	6-10
Implementation recommendation.....	4-25	Structure Type and Year Built	6-11
		Housing Demand	6-13
Chapter 5 - COMMUNITY FACILITIES,		Affordable Housing Needs Assessment	6-13
AND UTILITIES ELEMENT		Affordable Housing Supply	6-13
Strengths and Weaknesses.....	5-1	Housing Projections: 2035.....	6-15
Public Utilities	5-2	Household Income	6-16
Sewerage Disposal & Water Supplies.....	5-2	Housing Needs for Non-Resident Workers	6-17
Sanitary Sewerage Facilities	5-2	Data Sources	6-17
Private Onsite Wastewater Treatment Systems	5-2	Place of Residence and Place of Work	6-17
Water Supply Facilities	5-2	Earnings and Household Incomes of Resident	
Radium in the water Supply	5-4	and Non-Resident Workers.....	6-19
Lead in Drinking Water	5-4	Matching Housing Supply and Demand.....	6-19
Solid Waste Management.....	5-4	Government Activity in Housing	6-20
Landfills	5-4	Housing Objectives No. 1-3.....	6-21
Recycling.....	5-5	Implementation Recommendations.....	6-22

	Page		Page
Chapter 7 - ECONOMIC DEVELOPMENT ELEMENT		Jurisdictional Recommendations	8-18
Strengths and Weaknesses.....	7-1	Public Transit	8-21
Overview of Businesses in the Village.....	7-2	Upgrading to Rail Transit or Bus Guideways...	8-22
Business Employment Overview in Eagle	7-3	Bicycle and Pedestrian Facilities	8-23
Retail Trade Potential & Marketing Implications	7-6	Community Bicycle and Pedestrian Plans	8-23
Business Opportunities in Four Areas	7-6	Transportation Systems Management	8-23
Area 1: Downtown Area and its Revitalization	7-6	Travel Demand Management	8-23
Area 2: Village Industrial Park.....	7-6	Chapter 9—LAND USE ELEMENT	
Area 3: New Commercial Area on CTH NN ...	7-7	Strengths and Weaknesses	9-1
Area 4: Newly Annexed Area on Hwy 59	7-7	Land Uses in 2001	9-2
Village of Eagle Development Program.....	7-7	Projected Land Uses: 2035	9-4
County, Regional, and State Economic		Land Uses within the 1.5 mile Extraterritorial	
Development Programs	7-7	Planning Area	9-6
Economic Development Objectives No. 1-4	7-10	General Land Use Regulations	9-6
Implementation Recommendations	7-11	Regulatory Measures	9-6
Chapter 8 - TRANSPORTATION AND FACILITIES ELEMENT		Village Ordinances Regulating Land Use	9-6
Strengths and Weaknesses.....	8-1	Proposed Residential Land Use Classifications	9-6
Transportation Facilities and Services.....	8-2	General Zoning Regulations	9-7
Streets and Highways.....	8-2	Zoning Ordinance	9-7
State Trunk Highways.....	8-2	Specific Zoning Intentions.....	9-7
Arterial Streets	8-3	General State Land Division Regulations	9-8
Collector Streets	8-3	Village land Division Ordinance.....	9-8
Local Access Streets	8-3	Construction Site Erosion Control and	
County and Local Street Inventory	8-3	Stormwater Management Ordinance	9-9
Village of Eagle Street Inventory	8-4	Building Code.....	9-10
County Traffic Counts.....	8-4	Official Street Mapping	9-10
Public Transportation	8-4	Other Regulations Applicable to the Village	9-10
Inter-regional Public Transportation	8-7	Health Code	9-10
Air Service	8-7	Land Use Map.....	9-10
Bus Service	8-7	Description of the Proposed 2035 Land Uses.....	9-12
Waukesha County Bus Transit	8-7	Urban Land and Urban Development	9-12
Specialized Transportation.....	8-7	Rural Land and Rural Development	9-13
Ferry Service.....	8-7	Residential Land Uses and Development	9-14
Rail Passenger Service.....	8-7	Housing.....	9-14
Pedestrian and Bicycle Facilities	8-8	Commercial Land Uses and Development	9-15
Pedestrian Facilities	8-8	Light Industrial/Professional Office Land Uses.....	9-16
Bikeways	8-8	Institutional Land Uses	9-16
Other Transportation facilities and Services	8-11	Park and Recreational Lands	9-16
Rail Freight Service	8-11	Conservancy Lands.....	9-16
Rail Intermodal Facilities	8-11	State Forest	9-16
Ports and Harbors	8-11	Undeveloped and Agricultural Lands	9-17
Airports	8-11	Zoning within the 1.5 mile Extraterritorial Plat	
State Transportation Programs	8-13	Jurisdiction	9-17
Transportation Objective	8-15	Village of Eagle Existing Zoning Districts	9-17
Village Implementation Recommendations	8-17	Development Design Consideration	9-19
Implementation Recommendations of the 2035		Residential Development Areas	9-19
Regional Transportation System Plan.....	8-18	Developer Considerations	9-19
Arterial Street and Highway System		Village Considerations.....	9-20
Functional Improvements	8-18	Other Land Use and Development	
		Considerations.....	9-20

	Page		Page
Official Land Use Mapping.....	9-20	Library Services	10-3
Park and Open Space Implementation	9-21	Fire Department and EMS	10-2
The Need for a Comprehensive Trail Facility System Plan.....	9-21	Municipal Building.....	10-3
Transfer Development Rights	9-21	Intergovernmental Cooperation	10-3
Municipal Boundary and Utility Agreements ..	9-22	Plan Implementation	10-3
Municipal Revenue Sharing.....	9-22	Consistency among Plan Elements	10-3
Brownfield Redevelopment.....	9-23	Implementation Recommendations Overview	10-4
Stormwater System Planning	9-23	Agricultural, Natural, and Cultural Recommendation	10-4
Land Use Objectives No. 1-6	9-24	Community Facilities and Utilities Recommendation	10-4
Implementation Recommendations	9-29	Housing Recommendation.....	10-5
Chapter 10 - INTERGOVERNMENTAL COOPERATION & IMPLEMENTATION ELEMENTS		Economic Development Recommendation.....	10-6
Intergovernmental Cooperation and Boundary Agreements	10-1	Transportation Recommendation.....	10-6
Boundary Agreements.....	10-1	Land Use Recommendation.....	10-7
Municipal Boundary and Utility Extension Agreements	10-2	The Need for Continued Revitalization Planning	10-10
Informal Agreements	10-2	Capital Improvements Program	10-11
Recreation Programs	10-2	Plan Reevaluation	10-11
		Monitoring and Up-Dating the Plan.....	10-11
		Public Informational Meetings, Public Hearing, and Plan Adoption.....	10-12

LIST OF APPENDICES

Appendix	Page
A Summary of the Village of Eagle Community Survey Results	A-1
B Public Participation Plan	B-1
C Village of Eagle Plan Commission Resolution No.	C-1
D Village of Eagle Board of Trustees Ordinance No.	D-1

LIST OF TABLES

Table	Page
Chapter 2	
2-1 Population Growth for Communities in the Greater Eagle Area: 1970-2005	2-2
2-2 Owner Vs. Renter Occupied Units for Communities in the Greater Eagle Area: 2000.....	2-2
2-3 Average Household Size for Communities in the Greater Eagle Area: 2000	2-3
2-4 Population by Age Group and Median Age for Communities in the Greater Eagle Area: 2000	2-4
2-5 Median Household Income for Communities in the Greater Eagle Area: 2000.....	2-4
2-6 Waukesha County Employment Industry Trends: 1990-2000	2-5
2-7 Residents of Age 25 and Over with Associates, Bachelor’s, Graduate, or Professional Degrees for Communities in the Greater Eagle Area: 2000	2-6
2-8 Population Projections for Communities in the Greater Eagle Area: 2010-2035.....	2-8
2-9 Existing 2000 and Planned 2035 Population, Households, and Employment by Waukesha County Planning Analysis Area	2-9
2-10 Land Use Acres for the Village of Eagle: 1963-2000	2-10
Chapter 4	
4-1 Guidelines for Development Considered Compatible with Environmental Corridors.....	4-20
Chapter 5	
5-1 Greater Eagle Area Solid Waste Generated and Recycled in Tons: 2005.....	5- 5
5-2 Hospitals in Waukesha County: 2006	5-14
Chapter 6	
6-1 Total Housing Units by Type for Communities in the Greater Eagle Area: 2000	6-3
6-2 Housing Vacancies for Communities in the Greater Eagle Area: 2000	6-4
6-3 Structural Value for Specified Owner-Occupied Housing Units in the Greater Eagle Area: 2000	6-5
6-4 Q3 Median Selling Price of Housing in Waukesha County and the Southeastern Wisconsin Region: 2001-2006.....	6-5
6-5 Monthly Owner Costs for Specified Housing Units With a Mortgage for Communities in the Greater Eagle Area: 2000	6-6
6-6 Monthly Owner Costs for Specified Housing Units With a Mortgage in the Southeastern Wisconsin Region: 2000.....	6-7
6-7 Monthly Owner Costs for Specified Housing Units Without a Mortgage for Communities in the Greater Eagle Area: 2000	6-8
6-8 Monthly Gross Rent for Renter-Occupied Housing Units in the Southeastern Wisconsin Region: 2000.....	6-9

Table	Page
6-9	Monthly Gross Rent for Renter-Occupied Housing Units for Communities in the Greater Eagle Area: 2000 6-9
6-10	Owner-Occupied Housing Units by Number of Bedrooms for Communities in the Greater Eagle Area: 2000 6-10
6-11	Renter-Occupied Housing Units by Number of Bedrooms for Communities in the Greater Eagle Area: 2000 6-10
6-12	Housing Units by Structural Type for Communities in the Greater Eagle Area: 2000 6-11
6-13	Housing Units by Structural Type in for Communities in the Greater Eagle Area: 2000-2006..... 6-11
6-14	Year Built for Housing Units in Waukesha County Communities: 2000..... 6-12
6-15	Median Percentage of Monthly Income Spent on Housing in Communities in the Greater Eagle Area: 2000 6-14
6-16	Households with a High Housing Cost Burden in the Southeastern Wisconsin Region: 2000 6-14
6-17	Owner-Occupied Housing Occupancy by Number of Occupants per Room for Communities in the Greater Eagle Area: 2000 6-15
6-18	Renter-Occupied Housing Occupancy by Number of Occupants per Room for Communities in the Greater Eagle Area: 2000 6-15
6-19	Village of Eagle 1999 6-17
6-20	Persons Working in Waukesha County by Place of Work and Place of Residence: 2000..... 6-18

Chapter 7

7-1	Village of Eagle Business Inventory 7-3
7-2	Business Employment within 1 Mile of Eagle Village Hall..... 7-4
7-3	Business Employment within 3 Miles of the Eagle Village Hall 7-5

Chapter 8

8-1	Road Mileage in Waukesha County: 2005 8-2
8-2	Registered Vehicles in Waukesha County: July 2007..... 8-2
8-3	Average Weekday Traffic Volume 8-16
8-4	Traffic Operating Conditions 8-16
8-5	Arterial Street and Highway Preservation, Improvement, and Expansion by Arterial Facility Type in Waukesha County: Year 2035 Regional Transportation System Plan 8-18

Chapter 9

9-1	Land Use in the Area covered by the Village of Eagle and its 1.5 Mile Extraterritorial Planning Area in 2001 9-4
9-2	Land Use in the Village of Eagle in 2001 9-4
9-3	Projected Land Uses in the Greater Eagle Area by Community: 2035 9-5
9-4	Residential Land Use Plan Categories 9-14
9-5	Land Allocation for Residential Development 9-15
9-6	Summary of Village of Eagle Zoning Districts 9-18
9-7	Land Development per Land Use Category 9-27

LIST OF MAPS

Map		Page
Chapter 2		
2-1	Historical Growth Ring Analysis in Waukesha County: 1850-2000	2-7
2-2	Waukesha County Planning Areas	2-9
Chapter 4		
4-1	Topographic and Physiographic Features in and around the Village of Eagle.....	4-3
4-2	Surface Water Resources in the Greater Eagle Area: 2008.....	4-7
4-3	Major Wetland and Woodlands.....	4-9
4-4	Planned Land Use within the Eagle Spring Watershed: 2035	4-10
4-5	Planned Environmental Corridors and Isolated Natural Resource Areas: 2000.....	4-11
Chapter 5		
5-1	Existing and Planned Sanitary Sewer Service in Waukesha County: 2000	5-3
5-2	Municipal Separate Storm Sewer System (MS4) Discharge Permits in Waukesha County: 2006 ..	5-7
5-3	Wireless Telecommunication Facilities in the Greater Eagle Area: 2006.....	5-9
5-3	Public and Private Schools in the Greater Eagle Area: 2006	5-11
5-4	Fire Stations, Local Police Departments and Sheriff Substations in the Greater Eagle Area: 2006	5-13
Chapter 8		
8-1	Annual Average Daily Traffic Counts in the Greater Eagle Area: 2006.....	8-5
8-2	Annual Average Daily Traffic Counts within the Village of Eagle: 2006	8-6
8-3	Waukesha County Proposed System of Off-Street Bicycle Paths and Surface Arterial Streets and Highway System Bicycle Accommodations for the Greater Eagle Area under the Regional Transportation System Plan: 2035:	8-9
8-4	Bicycling Conditions in the Greater Eagle Area: 2000	8-10
8-5	Existing Railroad Routes in Waukesha County: 2007	8-12
8-6	Recommended Functional Improvements to the Arterial Street and Highway System in the Greater Eagle Area under the Regional Transportation System Plan: 2035.....	8-19
8-7	Recommended Jurisdictional Highway System in the Greater Eagle Area: 2035	8-20
8-8	Recommended Public Transit Element of the Regional Transportation System Plan: 2035	8-21
8-9	Potential Rapid Transit Commuter Rail and Express Transit Bus Guide-way/Light Rail Lines, under the Regional Transportation System Plan: 2035	8-22
8-10	Recommended Off-Street Bicycle Facilities Jurisdiction under the Regional Transportation System Plan: 2035.....	8-24
8-11	Recommended Off-Street Bicycle Facilities Jurisdiction in the Greater Eagle Area under the Regional Transportation System Plan: 2035	8-25
Chapter 9		
9-1	Village of Eagle Land Use and Transportation Plan: 2001.....	9-3
9-2	2035 Recommended Land Use Plan Map for the Village of Eagle.....	9-5

REPORT SUMMARY

VISION STATEMENT

“The Village of Eagle seeks to retain its small town character, preserving a vital Village Center surrounded by the smaller residential lots and the surrounding beauty of the Lake Country area. The Village desires to maintain a healthy balance between human activities and the natural environment that will provide a pleasant, livable community. In doing so, the Village intends to promote aesthetically pleasing developments that are sensitive to its unique natural and historic qualities while providing opportunities for earning a living, raising a family, and pursuing a variety of recreational activities.”

The Village of Eagle requested the assistance of the Town's Planner along with support from Waukesha County in updating their current Plan. The Plan titled *Year 2021 Comprehensive for the Village of Eagle*, was adopted by the Village Plan Commission and the Village Board on February 14, 2002. It was this plan, along with the Waukesha County Comprehensive Development Plan: 2035, which was used to create an up-dated comprehensive plan for the Village of Eagle, which complies with the Wisconsin Smart Growth law and the 9 elements required. This document titled *The Village of Eagle Comprehensive Development Plan: 2035*, is intended to provide local officials with a tool to help guide and shape the physical development of the Village through the new design year 2035. This report sets forth the findings and recommendations of the planning effort undertaken in response to the Village's request.

The main purpose of the Village comprehensive plan is to provide information and recommendations that public officials can use in making consistent decisions about future growth and development in the Village and environs. The plan also provides developers and other private interests with a clear indication of Village planning objectives, enabling them to take those objectives into account when preparing development and redevelopment proposals. Only those proposals that are consistent with the objectives of the plan should be approved.

The comprehensive plan, together with supporting implementation techniques, provides an important means for promoting the orderly development and redevelopment of the Village in the public interest. The plan identifies the planning objectives of the Village and sets forth means for achieving those objectives, and to the extent that the plan is implemented, a safer, more healthful and attractive environment will be created within the Village.

The planning effort involved extensive inventories and analyses of the factors and conditions affecting land development in the Village, including existing and alternative future population, household, and employment levels; inventories of natural resources such as soils, topography, flood hazards, wetlands, woodlands, and plant and wildlife habitats; and inventories of existing land uses and local land use regulatory devices. Upon completion of the analyses, a framework for plan development was established in which past planning efforts were considered; planning objectives were identified; a planned urban service area was established; and probable future population, household, and employment levels were selected. Finally, a comprehensive plan was prepared that is expected to accommodate the needs of residents in a manner consistent with the Village's land use related objectives. The plan also includes specific design guidelines and a set of recommended measures to help carry out the plan over time.