## **TABLE OF CONTENTS**

CHAPTER 1 INTRODUCTION		CHAPTER 5 HOUSING	
General Location	1 - 1	Introduction	5 - 1
Historical Background	1 - 1	Housing Characteristics	5 - 1
Plan Purpose	1 - 2	Substandard and Blighted Housing	5 - 4
Plan Format	1 - 3	Households	5 - 5
Methodology	1 - 3	Housing Resources	5 - 5
Participation	1 - 3	Recommendations	5 - 6
•		Housing Strategies	5 - 6
CHAPTER 2 GOALS AND OB	JECTIVES		
Vision Statement	2 - 1	CHAPTER 6 COMMUNITY FACI	LITIES
Legal Requirements for a			0 4
Comprehensive Plan	2 - 1	Introduction	6 - 1
Goals and Objectives	2 - 3	Infrastructure	6 - 1
	_ •	Solid Waste Management	6 - 3
		Public Safety Services	6 - 4
CHAPTER 3 POPULATION		Telecommunications	6 - 9
CHAPTER 3 POPULATION		Information Technology	6 - 10
Later Lander	0.4	Recreation	6 - 14
Introduction Taxable	3 - 1	Cultural Facilities, Performing Arts,	0 46
Population Trends	3 - 1	Celebrations and Events	6 - 16
Population Projections	3 - 3	Health and Social Services	6 - 17
Conclusion	3 - 7	Education	6 - 24
		Recommendations	6 - 36
CHAPTER 4 ECONOMIC DEV	ELOPMENT	Community Facility Strategies	6 - 40
Introduction	<u> </u>	CHAPTER 7 ENVIRONMENTAL	
Labor Force	4 - 1		
Commuting	4 - 2	Introduction	7 - 1
Employment	4 - 3	General Physiographic Features	7 - 1
Income and Wages	4 - 4	Karst Topography	7 - 1
Industrial Infrastructure	4 - 5	Soils Analysis	7 - 3
Regional Economic Development	-	Environmentally Sensitive Areas	7 - 4
Advantages	4 - 7	Water Quality	7 - 8
Agriculture	4 - 7	Air Quality	7 - 10
Tourism	4 - 9	Climate	7 - 11
Conclusion	4 - 9	Hazard Mitigation Planning	7 - 13
Recommendations	4 - 10	Recommendations	7 - 14
		Environmental Strategies	7 - 15

CHAPTER 8 TRANSPORTATION		CHAPTER 10 G.A.T.E. Plan	
Introduction	8 - 1	Summary	10-1
Barren County Location	8 - 1	Greenway Development Benefits	10-2
Barren County Transportation System	8 - 1	Existing Conditions & Local Info.	10-3
County Gateways	8 - 2	Goals & Objectives	10-7
Regional Highway System	8 - 2	Mission Statement	10-9
Roadway System	8 - 3	Greenway System	10-9
Functional Classification of Highways	8 - 3	Implementation	10-28
Traffic Volume Data	8 - 5		
Commuting Patterns	8 - 7	CHAPTER 11 GLASGOW MASTER	PLANS
Crash Patterns	8 - 8		
Bridges and Other Structures	8 - 8	Service Area Methodology	11-1
Truck Network	8 - 9	Park Aerials	11-3
Intelligent Transportation System	8 - 9	Public Input Summaries	11-13
Rail	8 - 9	Core Program Guidelines	11-29
	8 - 9 8 - 10	Needs Assessment & Survey Findings	44.00
Public Transportation Air Transportation	8 - 10 8 - 10	Report	11-39
•	0 - 10	Web/Handout Survey Report	11-129
Future Land Use Trends Affecting Traffic Conditions	8 - 11		
Future Traffic Conditions	8 - 11	CHAPTER 12 PLAN IMPLEMENTAT	ION
Scheduled Projects	8 - 11		
	8 - 12 8 - 13	Introduction	12 - 1
Summary of Findings Recommendations	8 - 15	What To Do With The Plan	12 - 1
		Implementation Policies	12 - 2
Transportation Strategies	8 - 15	Conclusion	12 - 3
CHARTER O LAND HOE		APPENDIX	
CHAPTER 9 LAND USE		Glasgow Municipal Airport	A-1
Introduction	9 - 1	Barren Co. Short Range Highway Plan	A-1 A-2
Land Use Classification	9 - 1	0 0 ,	A-2 A-3
Existing and Historical	J 1	Barren Co. Long Range Highway Plan G.A.T.E. Plan Appendix	A-3
Land Use Characteristics	9 - 2	G.A.T.E. Flatt Appendix	
Assessment Breakdowns	9 - 2	BIBLIOGRAPHY	
Future Land Use	9 - 9	DIDLIUGKAPNI	
Future Land Use Policies	9 - 9 9 - 14		
Recommendations	9 - 14		
Future Land Use Strategies	9 - 10		
Future Land USE Strategies	9-17		

LAST PAGE OF CHAPTER

#### **LIST OF MAPS**

MAP NUMB	ER TITLE
4.1	Barren County Industrial Site Locations
5.1	Barren County Addressable Building Structures
5.2	Barren County Zip Codes
6.1	Barren County Water Utility Service Areas
6.2	Glasgow Water Company – Barren County Water System
6.3	Glasgow Water Company – Glasgow Water System
6.4	Glasgow Water Company – Fire Hydrant Locations
6.5	Barren County Wastewater Utility Facilities
6.6	Glasgow Water Company - Glasgow Sanitary Sewer System
6.7	Barren County Electric Utility Service Areas
6.8	Barren County Natural Gas Pipelines
6.9	Barren County Fire Districts
6.10	Barren County Telephone Utility Service Areas
6.11	Barren County Cellular Antenna Towers
6.12	Barren County Recreation Facilities
6.13	Barren County School Districts
6.14	Barren County Magisterial Districts
6.15	Barren County Tornado Safe Room Locations
7.1	Barren County General Geology and Relief Map
7.2	Barren County Environmental Sensitive Areas
7.3	Barren County Major Watersheds
8.1	Barren County Gateways
8.2	Barren County Functional Classification of Roadways
8.3	Barren County Traffic Counts 2004-2013
8.4	Barren County Traffic Volume
8.5	Barren County Fatal Auto Crashes 2018
8.6	Barren County Vehicle Collision Locations 2018
8.7	Barren County National Truck Routes
8.8	Barren County Roadway Classification of Vehicle Weight
8.9	Barren County Airport Location
8.10	Barren County Projected Traffic Volume 2024
8.11	Barren County Projected Traffic Volume Counts 2024
8.12	Barren County SHIFT Prioritization Process 2019
9.1	Glasgow Building Development 1996-2018
9.2	Glasgow Existing Land Use
9.3	Glasgow Zoning Ordinance
9.4	Cave City Existing Land Use
9.5	Cave City Zoning Ordinance

9.6 9.7 9.8 9.9 9.10 9.11 9.12 9.13 9.14 9.15 9.16 9.17 9.18 9.19 9.20	Park City Existing Land Use Park City Zoning Ordinance Barren County Building Development 1999-2018 Barren County Existing Land Use Certified Agricultural Districts Barren County Soil Farmland Characteristics Barren County Soil Drainage Characteristics Barren County Septic System Soil Characteristics Barren County General Soil Map Glasgow National Historic Districts Glasgow Future Land Use Cave City Future Land Use Park City Future Land Use Barren County Future Land Use Future Urban Expansion Areas
10.1 10.2 10.3 10.4 10.5 10.6 10.7 10.8 10.9 10.10 10.11 10.12 10.13 10.14 10.15 10.16 10.17 10.18	G.A.T.E. Plan – Existing Conditions – Local Parks G.A.T.E. Plan – Existing Conditions – Places of Interest G.A.T.E. Plan – Existing Conditions – Local Schools G.A.T.E. Plan – Existing Conditions – Local Retail Areas G.A.T.E. Plan – Existing Conditions – Local Medical Areas G.A.T.E. Plan – Existing Conditions – FEMA Flood Hazard Areas G.A.T.E. Plan – Boundary Corridor G.A.T.E. Plan – Boundary Corridors G.A.T.E. Plan – Existing & Proposed Outer Loop G.A.T.E. Plan – Gateway Corridors G.A.T.E. Plan – FEMA Flood Hazard Areas G.A.T.E. Plan – FEMA Flood Hazard Areas G.A.T.E. Plan – Northern Schools Route G.A.T.E. Plan – Northern Schools Route G.A.T.E. Plan – Medical Care Route G.A.T.E. Plan – Residential Connectors G.A.T.E. Plan – Sewer Line Locations G.A.T.E. Plan – Electrical Easement Locations G.A.T.E. Plan – Existing Rail G.A.T.E. Plan – Overall Corridor Plan

## **LIST OF TABLES**

TABLE NUMBER	TITLE	PAGE NUMBER
3.1	Population Trends for Barren County Over a 108-Year Span	3 - 1
3.2	Population Trends for the BRADD Region Over a 58-Year Spar	n 3 - 2
3.3	Rural and Urban Spatial Distributions by County and City for 20	17 3 - 2
3.4	Population Trends of Barren County, Incorporated Cities and	
	Unincorporated Area 1960-2017	3 - 2
3.5	Population Projections for Barren County and	
	Kentucky through 2040	3 - 3
3.6	Population by Age and Sex 2000-2016	3 - 4
3.7	Cohort Population and Projections 2000-2040	3 - 5
3.8	Total Non-White Composition of Barren County 2000-2017	3 - 5
3.9	Deaths in Kentucky and Barren County 2014	3 - 7
4.1	Barren County Labor Force Status 2000-2018	4 - 1
4.2	Barren County Labor Force Status by Industry for 2017	4 - 2
4.3	Civilian Labor Force Unemployment Rates	4 - 2
4.4	Barren County Commuting Patterns for 2015	4 - 2
4.5	Barren County Total Employment by Economic	
	Sector 1990-2017	4 - 3
4.6	Barren County Manufacturing & Industrial Employment Net Gai	
	Since 2012	4 - 3
4.7	Barren County Major Manufactures	4 - 4
4.8	Per Capita Income 1980-2017	4 - 4
4.9	Average Weekly Wages by Industry Division for 2017	4 - 4
4.10	Number of Barren County Families by Income Levels	4 - 5
4.11	Barren County Industries	4 - 6
4.12	Agricultural Production 2017	4 - 8
4.13	Farmland	4 - 8
5.1	Number of Housing Units 2010-2017	5 - 2
5.2	Type of Housing Units 2010-2017	5 - 2
5.3	Owner Occupied Housing Units and Values	5 - 3
5.4	Household Projections for Barren County	5 - 3
5.5	Housing Conditions	5 - 5
6.1	Water Utility Information	6 - 2
6.2	Electric Utility Information	6 - 3
6.3	Public Safety Department Information	6 - 5
6.4	Radio Stations Serving Barren County	6 - 9
6.5	Health Care Facilitators	6 - 21
6.6	Long Term Care Facilities	6 - 21
6.7	Income and Poverty Status, 2017	6 - 22
6.8	Elementary Schools and Enrollment	6 - 27
6.9	School District Relationships 2018-19	6 - 34
6.10	School District Relationships 2018-19, Cont.	6 - 34
6.11	School District Performance 2018-19	6 - 34

6.12	High School Graduates Transition to Adult Life 2018-19	6 - 34
6.13	Library Facilities – Current and Recommended	6 - 36
7.1	Threatened and Endangered Species in Kentucky	7 - 7
7.2	Monthly Temperature Average: Historical (1895-2018) vs 2018	7 - 12
7.3	Monthly Precipitation Average: Historical (1895-2018) vs 2018	7 - 12
7.4	Historical Climate Data Precipitation by Climate	7 - 12
8.1	Barren County Road Miles by Functional Classification	8 - 5
8.2	Existing Roadway Mileage Maintained by Jurisdiction	
	in Barren County	8 - 5
8.3	Barren County Vehicle Registration	8 - 7
8.4	Kentucky Collisions by Roadway Type 2018	8 - 8
8.5	Barren County Roadway Collisions 2012-2018	8 - 8
8.6	Barren County Parking Lots/Private Property	
	Collisions 2012-2018	8 - 8
9.1	Commercial Assessment	9 - 9
9.2	Residential Assessment	9 - 9
9.3	Farm Assessment	9 - 9
A.1	Glasgow Municipal Airport Evaluation of Facilities	
	Level III, Business Airport of Regional Impact, 2004	A - 3
A.2	Barren County Short-range Highway Projects	A - 4
A.3	Barren County Long-range Highway Projects	A - 5
A.4	G.A.T.E. Appendix	A - 6

### **LIST OF FIGURES**

FIGURE NUMBER	TITLE	PAGE NUMBER
1.1	General Location Map	1 - 1
3.1 3.2	Population Trends for Barren County Over a 108-Year Span Population Projections for Barren County	3 - 1 3 - 3
3.3	Barren County Population and Projections by Age Group 1990-2040	3 - 5
3.4	Barren County Population Pyramids 2000-2050	3 - 6
3.5	Leading Cause of Deaths in Barren County	3 - 7
4.1 4.2	Number of Farms in Barren County by Value Land in Farms By Use 2017	4 - 8 4 - 9
5.1	Structures Built per Decade	5 - 4
6.1 6.2	Barren County School System Enrollment Barren County High School Enrollment	6 - 26 6 - 28

# Barren County 2019 Comprehensive Plan

6.3	Glasgow Independent School System Enrollment	6 - 29
6.4	Glasgow Elementary Schools Enrollment	6 - 30
6.5	Glasgow High School Enrollment	6 - 32
6.6	Caverna Independent School System Enrollment	6 - 33
7.1	Generalized Block Diagram of the Western Pennyroyal Karst	7 - 2
7.2	Karst Areas of Kentucky	7 - 2
7.3	Groundwater Pollution Threats	7 - 9
7.4	Sources of Stream and River Pollution in Kentucky (1997-99)	7 – 10
7.5	Green River Basin in Barren County	7 - 10
7.6	Industrial Toxic Releases to Land, Air and Water in Kentucky	7 - 11
7.7	Radon Gas Levels by Regions	7 - 11
7.8	Recorded Tornado Paths	7 - 13
8.1	Barren County Regional Access	8 - 3
8.2	Functional Class Hierarchy	8 - 4
8.3	Work Trips by Mode in Barren County	8 - 6
8.4	Barren County Commuting Patterns 2017	8 - 7
9.1	Subdivision Development 2015-2019	9 - 7