

1989

Industrial Resources: Hart County

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RESOURCES FOR ECONOMIC DEVELOPMENT

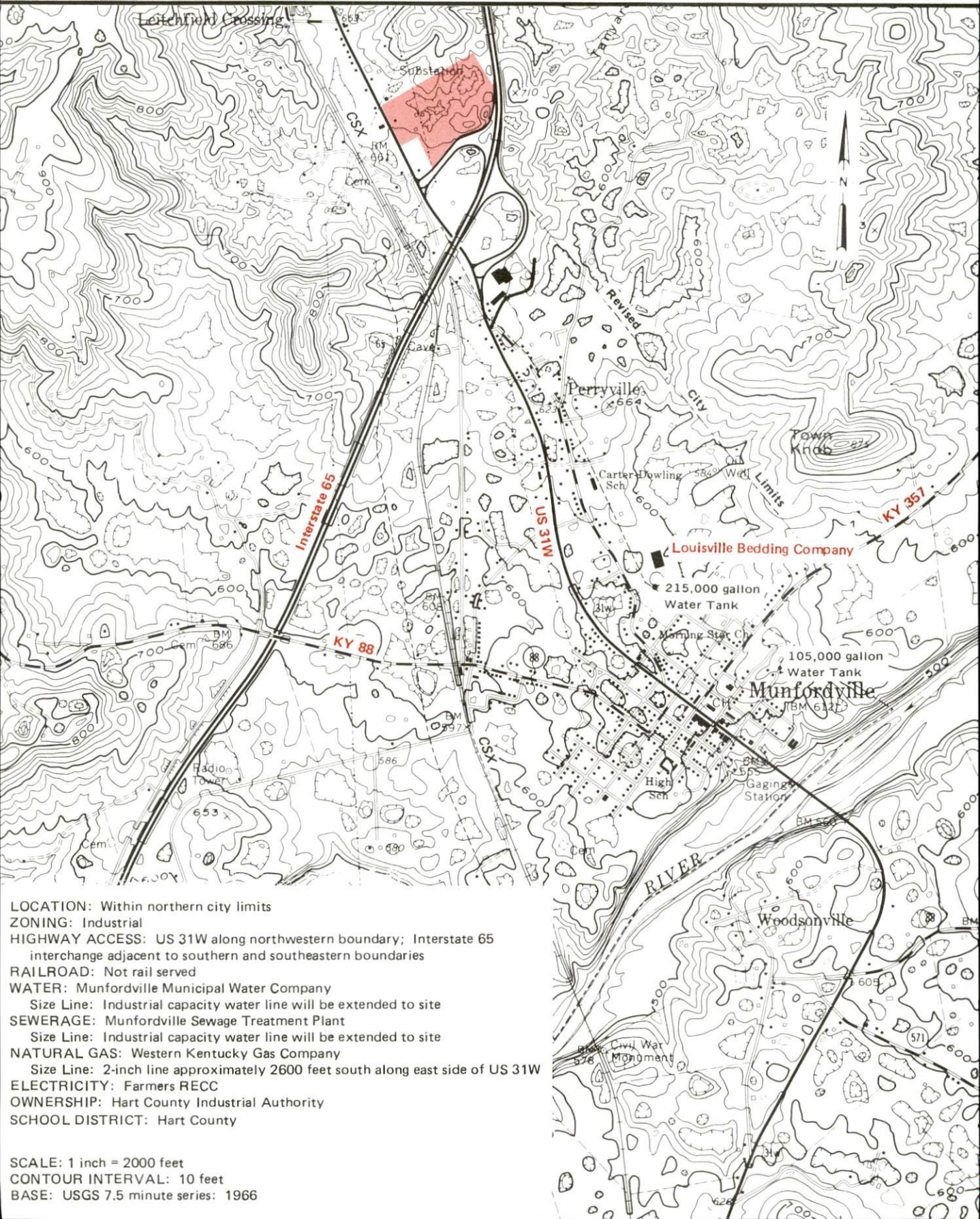
Hart County



KENTUCKY
Open for Business

MUNFORDVILLE, KENTUCKY --- Site 189 --- 45 Acres

For more information contact the Cabinet for Economic Development, Department of Existing Business and Industry, Division of Research and Planning, Capital Plaza Tower, Frankfort, Kentucky 40601 (502-564-7140)



LOCATION: Within northern city limits
ZONING: Industrial
HIGHWAY ACCESS: US 31W along northwestern boundary; Interstate 65 interchange adjacent to southern and southeastern boundaries
RAILROAD: Not rail served
WATER: Munfordville Municipal Water Company
Size Line: Industrial capacity water line will be extended to site
SEWERAGE: Munfordville Sewage Treatment Plant
Size Line: Industrial capacity water line will be extended to site
NATURAL GAS: Western Kentucky Gas Company
Size Line: 2-inch line approximately 2600 feet south along east side of US 31W
ELECTRICITY: Farmers RECC
OWNERSHIP: Hart County Industrial Authority
SCHOOL DISTRICT: Hart County

SCALE: 1 inch = 2000 feet
CONTOUR INTERVAL: 10 feet
BASE: USGS 7.5 minute series: 1966

RESOURCES FOR ECONOMIC DEVELOPMENT
HART COUNTY, KENTUCKY

Prepared by
The Kentucky Department of Business Development
Division of Research and Planning
in cooperation with
Hart County Chamber of Commerce

1989

Program manager - Andrew Dennis; research - Jerry Tolliver, Jane E. Sullivan; clerical - Bobbi Graves; graphics - Robert Owens, Pat Coleman; cartography - Site Evaluation Branch, Division of Industrial Development and Marketing. Cost of printing paid from state funds.

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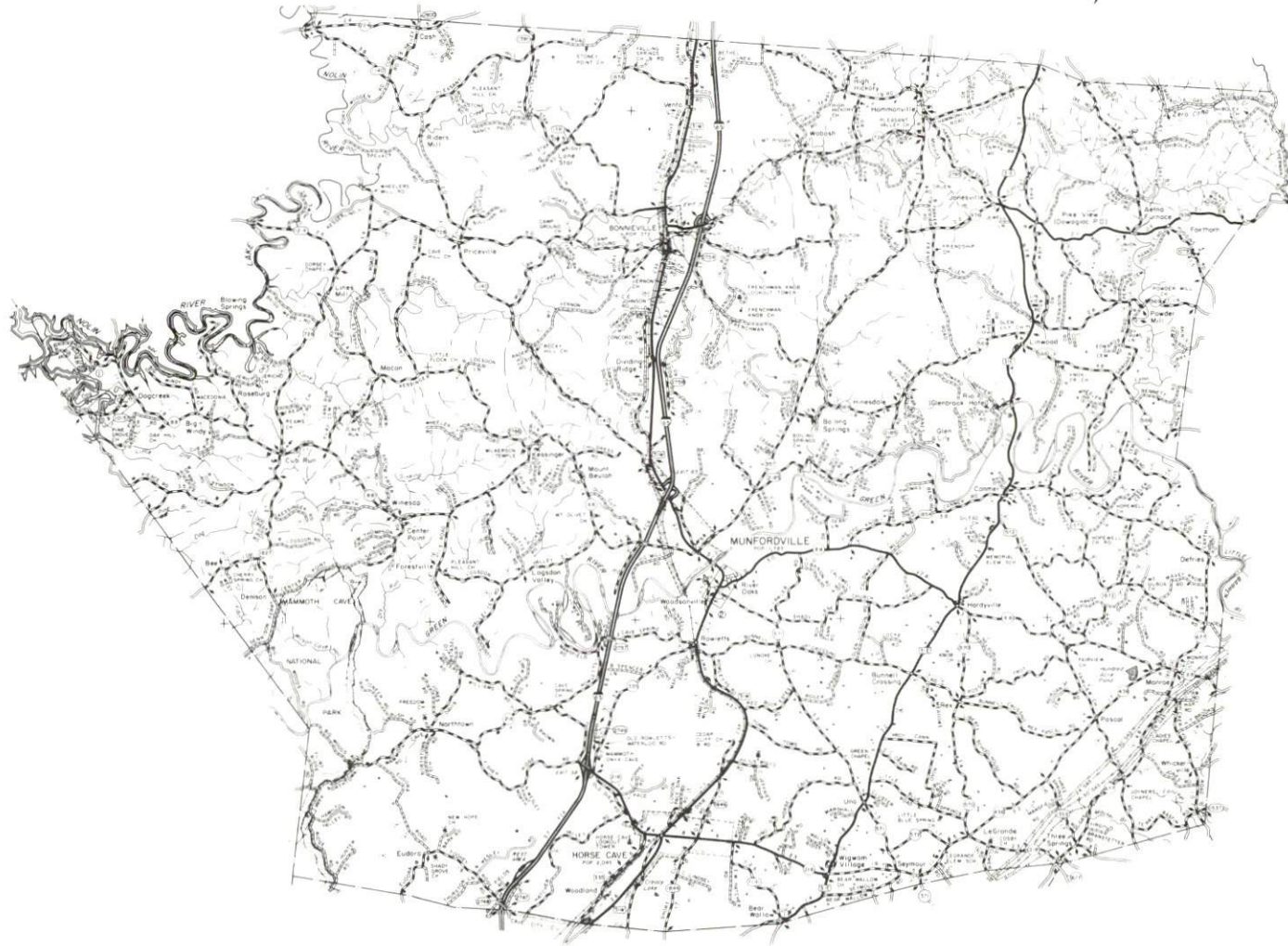
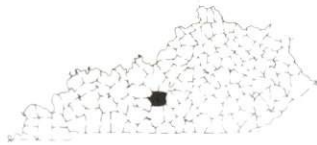
GENERAL HIGHWAY MAP
HART COUNTY
KENTUCKY

PREPARED BY THE
KENTUCKY TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS
DIVISION OF PLANNING

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

SCALE 1:25,000

CHANGES



HART COUNTY, KENTUCKY - A RESOURCE PROFILE

Hart County, located in south-central Kentucky, lies largely within the Mississippian Plateaus Region. The Green River dissects the central portion of the county. Hart county has a land area of 412 square miles, and had a 1987 estimated population of 14,900.

Munfordville, the county seat of Hart County, is located in the central portion of the county. In 1986 Munfordville had an estimated population of 1,920.

Horse Cave, the largest city in Hart County, with a 1986 estimated population of 2,670, is located in the south-central portion of the county. Horse Cave is 81 miles south of Louisville, Kentucky; 97 miles north of Nashville, Tennessee; and 223 miles northwest of Knoxville, Tennessee.

The Economic Framework - The total number of Hart County residents employed in 1987 averaged 5,814. Manufacturing firms in the county reported 781 employees; wholesale and retail trade provided 616 jobs; 307 people were employed in service occupations; state and local government accounted for 632 employees; contract and construction firms provided 64 jobs.

Labor Supply - There is a current estimated labor supply of 11,920 men and 15,611 women available for industrial jobs in the labor market area. In addition, from 1988 through 1992, 7,859 young men and 7,533 young women in the area will become 18 years of age and potentially available for industrial jobs.

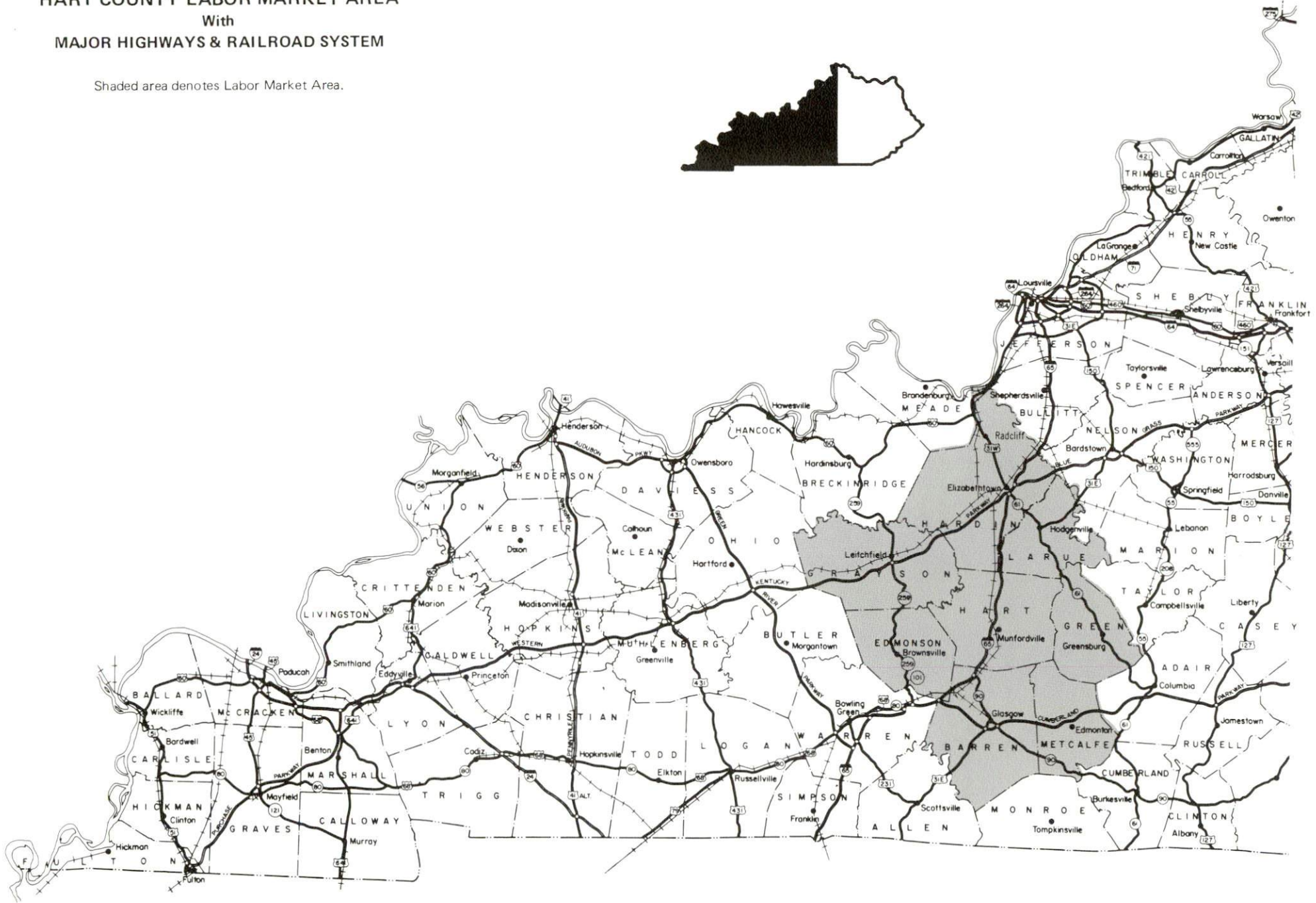
Transportation - Main line rail service is provided by CSX Transportation. Hart County is served by Interstate 65 and U.S. 31W. Nineteen trucking companies serve the county. The nearest commercial airline service is at Standiford Field in Louisville, 76 miles north of Horse Cave. Moore Field, 14 miles south of Horse Cave, has a paved 4,000-foot runway.

Power and Fuel - Electric power is provided to Horse Cave, Munfordville, and Hart County by the Kentucky Utilities Company, an electric generation and transmission company. Hart County is also served by Farmers Rural Electric Cooperative Corporation, which is supplied by East Kentucky Power Cooperative. Natural gas is provided by Western Kentucky Gas Company, which is supplied by Texas Gas Transmission Corporation.

Education - Primary and secondary education is provided to Hart County by the Caverna Independent School System and the Hart County School System. Four colleges and universities are located within 55 miles of Horse Cave. The nearest state vocational-technical schools are Bowling Green State Vocational-Technical School in Bowling Green, 36 miles south, and Elizabethtown State Vocational-Technical School, in Elizabethtown, 39 miles north. The Barren County Area Vocational Education Center in Glasgow, 16 miles south, is the nearest area education center.

HART COUNTY LABOR MARKET AREA
With
MAJOR HIGHWAYS & RAILROAD SYSTEM

Shaded area denotes Labor Market Area.



LABOR MARKET STATISTICS

The Hart County Labor Market Area includes Hart County and the adjoining Kentucky counties of Barren, Edmonson, Grayson, Green, Hardin, Larue and Metcalfe.

POPULATION

Area	1987*	1980	1970	Percent Nonwhite
				1980
Horse Cave	2,670	2,045	2,068	17.7
Munfordville	1,920	1,783	1,233	14.8
Labor Market Area	206,800	201,587	175,473	-
Hart County	14,900	15,402	13,980	8.1
Barren County	34,400	34,009	28,677	5.1
Edmonson County	10,100	9,962	8,751	1.9
Grayson County	21,700	20,854	16,445	0.6
Green County	10,800	11,043	10,350	3.5
Hardin County	93,400	88,911	78,421	14.7
Larue County	11,700	11,922	10,672	4.7
Metcalfe County	9,800	9,484	8,177	3.0

* Population estimates. City estimates are for 1986.

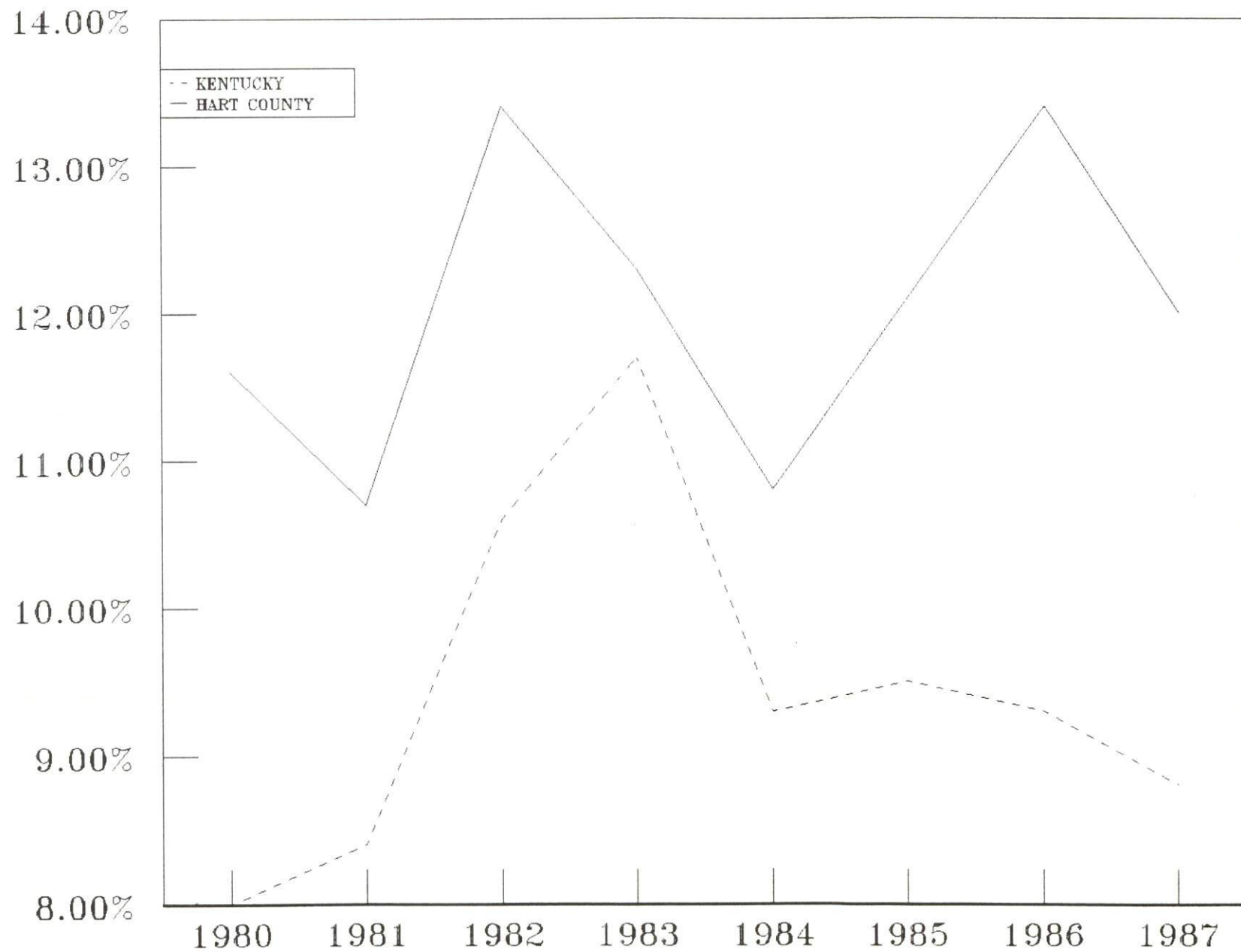
Sources: U.S. Department of Commerce, Bureau of the Census, October 1988; University of Louisville, Urban Studies Center, Population Unit.

POPULATION PROJECTIONS

Area	1990	1995	2000	2010
Labor Market Area	219,890	228,815	236,936	251,388
Hart County	16,011	16,625	17,075	17,603
Barren County	34,622	34,761	34,776	34,351
Edmonson County	10,982	11,214	11,383	11,453
Grayson County	22,941	23,993	24,854	26,153
Green County	10,824	10,801	10,745	10,452
Hardin County	101,909	108,345	114,659	127,586
Larue County	12,074	12,053	12,013	11,784
Metcalfe County	10,487	11,023	11,431	12,006

Source: University of Louisville, Urban Studies Center, State Data Center.

UNEMPLOYMENT RATES



LABOR FORCE CHARACTERISTICS OF RESIDENTS, 1987

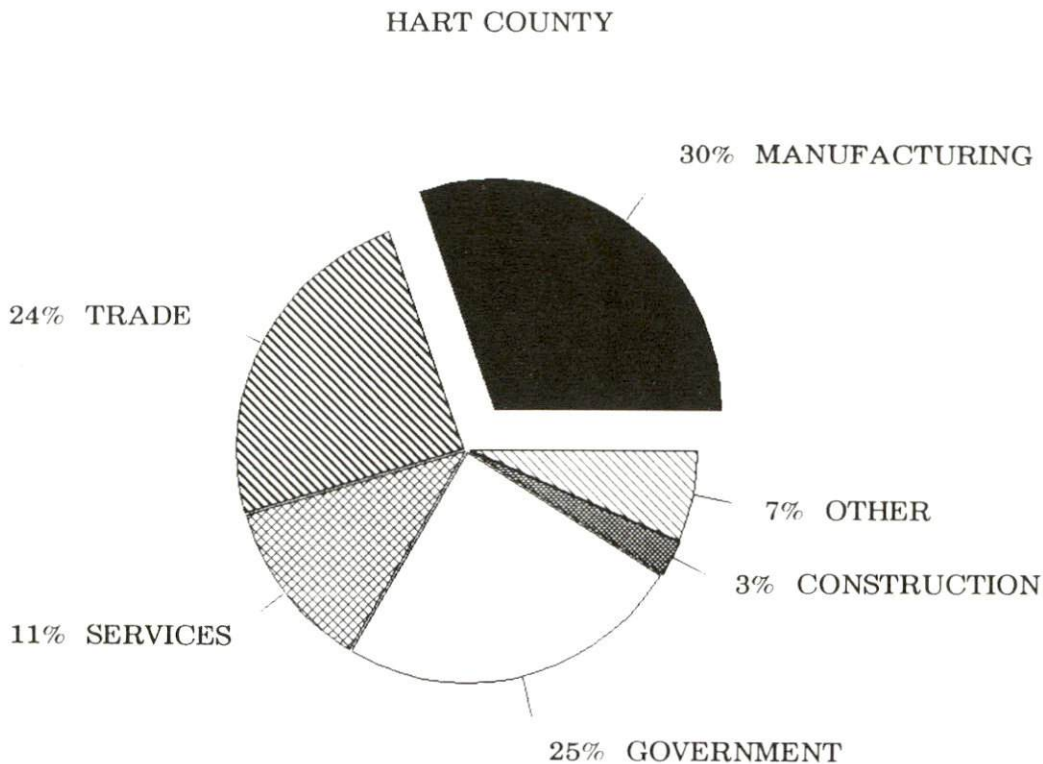
	<u>Hart County</u>	<u>Labor Market Area</u>
Civilian Labor Force	6,606	86,376
Employment	5,814	78,713
Unemployment	792	7,663
Rate of Unemployment (%)	12.0	8.9

Source: Kentucky Cabinet for Human Resources, Kentucky Labor Force Estimates, Annual Averages, 1987.

**SELECTED COMPONENTS OF NONAGRICULTURAL EMPLOYMENT
BY PLACE OF WORK, 1987**

	<u>Hart County</u>	<u>Labor Market Area</u>
All Industries (total)	2,564	48,187
Manufacturing	781	13,231
Wholesale & Retail Trade	616	12,695
Services	307	7,094
State/Local Government	632	8,269
Contract Construction	64	2,637

Note: Excludes domestic workers, railway workers, certain nonprofit corporations, majority of federal government workers, and self-employed workers.
Source: Kentucky Cabinet for Human Resources, Average Monthly Workers Covered by Kentucky Unemployment Insurance Law, 1987.



**ESTIMATED MALE LABOR SUPPLY
HART COUNTY LABOR MARKET AREA**

Area	Current				Future
	Total Male	Unemployed	Under-employed	Not in Labor Force	Becoming 18 years of age 1988 thru 1992
Labor Market Area*	11,920	4,385	6,072	1,463	7,859
Hart	1,381	420	486	475	634
Barren	1,661	926	735	0	1,336
Edmonson	951	311	264	376	416
Grayson	2,036	918	649	469	882
Green	585	341	244	0	399
Hardin	4,099	910	3,189	0	3,326
Larue	572	292	217	63	468
Metcalfe	635	267	288	80	398

**ESTIMATED FEMALE LABOR SUPPLY
HART COUNTY LABOR MARKET AREA**

Area	Current				Future
	Total Female	Unemployed	Under-employed	Not in Labor Force	Becoming 18 years of age 1988 thru 1992
Labor Market Area*	15,611	3,979	4,757	6,875	7,533
Hart	2,131	471	337	1,323	603
Barren	2,417	853	926	638	1,324
Edmonson	1,439	325	352	762	413
Grayson	2,148	437	550	1,161	846
Green	857	204	196	457	408
Hardin	4,707	1,222	2,001	1,484	3,161
Larue	922	170	181	571	429
Metcalfe	990	297	214	479	349

* Additional workers may be drawn from other nearby counties.

Note: Unemployed - persons unemployed and actively seeking work; Underemployed - persons employed but working only 14 to 26 weeks per year; Not in Labor Force - represents the number of persons who would enter the labor force if suitable employment were available (based on the assumption that persons in Kentucky would like to participate in the labor force in the same proportion that they do nationally).

Sources: Kentucky Cabinet for Human Resources, Kentucky Labor Supply Estimates by County, 1986. Kentucky Department of Business Development, Future Labor Supply Becoming 18 Years of Age, 1988 thru 1992.

AVERAGE PLACEMENT WAGES

Hart County is served by the Glasgow local office of the Kentucky Department for Employment Services. The focus of the following data is on job placements made by the Glasgow local office and may therefore be used as an indicator of the wages which employers in the area pay new employees. During the twelve months which ended on June 30, 1988, the local employment office filled 2,904 job openings in various occupational categories. The average hourly wage for selected occupational categories were:

<u>OCCUPATIONAL CATEGORY</u>	<u>NUMBER OF PLACEMENTS</u>	<u>AVERAGE WAGE(\$)</u>
All Occupations	2,904	3.75
Clerical	672	3.48
Sales	101	3.66
Services (excluding domestic)	367	3.36
Agricultural, Fishery, Forestry, etc.	102	4.22
Processing	399	3.83
Machine Trades	188	4.88
Bench Work	429	3.49
Structural	111	4.90
Motor Freight/ Transportation	45	4.25
Packaging and Materials Handling	412	3.56
Other	6	4.67

The Glasgow local office also serves Barren, Metcalfe, and Monroe Counties. The above occupational categories are taken from the Dictionary of Occupational Titles published by the U.S. Department of Labor.

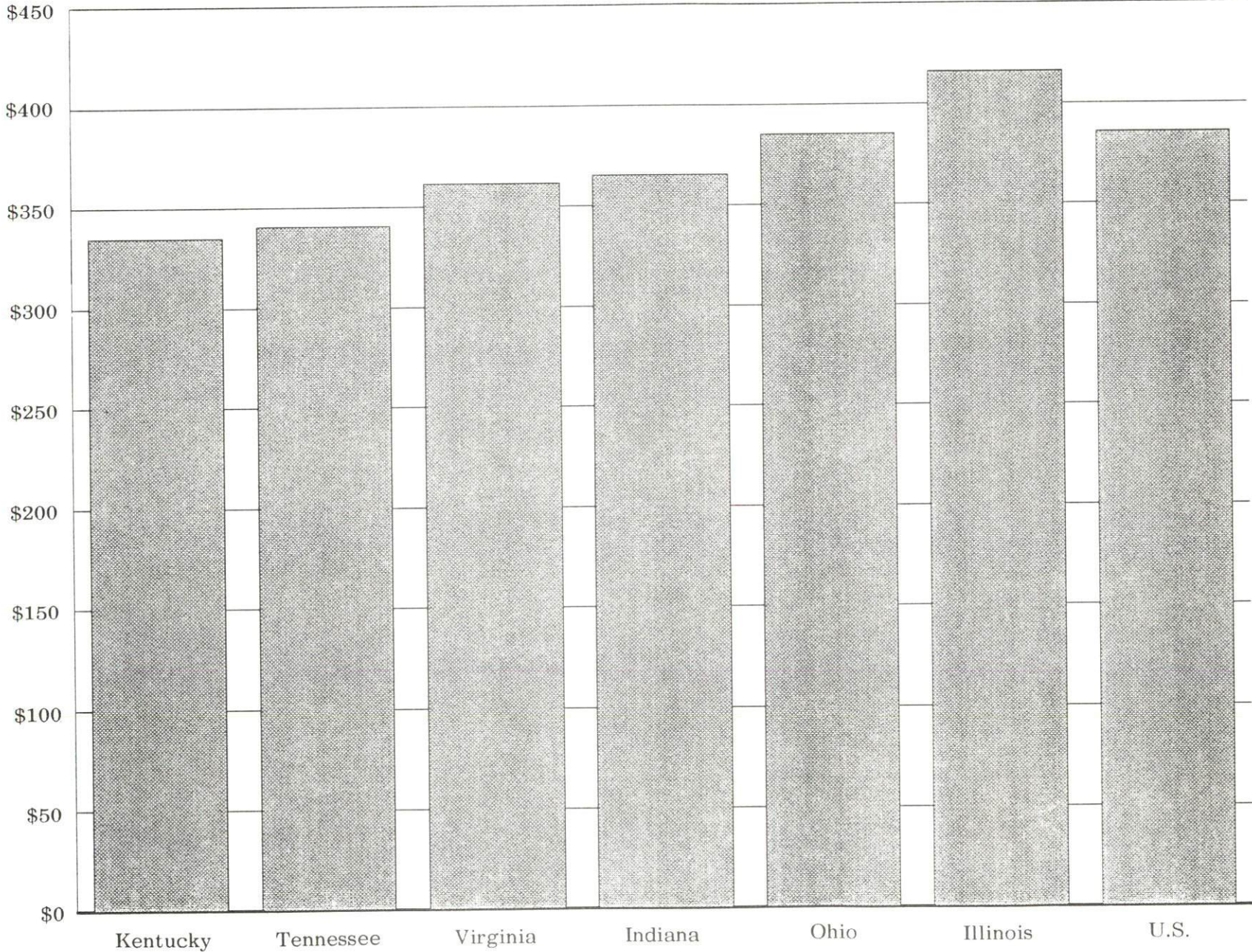
Source: Kentucky Cabinet for Human Resources, Department for Employment Services.

PER CAPITA PERSONAL INCOME

<u>Area</u>	<u>1982</u>	<u>1986</u>	<u>Percent Change</u>
Hart County	\$7,068	\$7,942	12.4
Labor Market Area Range	\$5,792 - 8,387	\$6,188 - 10,174	-
Kentucky	\$9,277	\$11,268	21.5
U.S.	\$11,480	\$14,606	27.2

Sources: Kentucky Economic Information System, April 1988 and August 1988.

AVERAGE WEEKLY WAGES OF WORKERS COVERED BY
UNEMPLOYMENT INSURANCE F.Y. 1986-87



AVERAGE WEEKLY WAGES BY INDUSTRY
BY PLACE OF WORK, 1987

	Hart County	Barren County	Edmonson County	Grayson County
All Industries	\$243.93	\$310.95	\$226.37	\$246.61
Mining & Quarrying	*	266.78	0	460.39
Contract Construction	188.08	367.55	202.31	235.32
Manufacturing	285.85	400.62	*	261.57
Transportation, Communications & Public Utilities	229.86	370.19	203.23	331.15
Wholesale & Retail Trade	182.90	183.73	165.27	191.05
Finance, Insurance & Real Estate	271.49	312.17	284.25	272.48
Services	206.31	254.81	207.97	181.64
State/Local Government	273.19	299.22	281.54	285.30
Other	195.18	151.82	0	180.97
	Green County	Hardin County	Larue County	Metcalf County
All Industries	\$234.14	\$292.15	\$235.74	\$205.27
Mining & Quarrying	*	*	0	164.06
Contract Construction	178.43	343.83	196.51	314.48
Manufacturing	249.41	412.16	234.08	158.95
Transportation, Communications & Public Utilities	299.92	352.57	455.71	430.46
Wholesale & Retail Trade	163.02	191.36	181.09	163.34
Finance, Insurance & Real Estate	257.71	300.52	272.89	236.08
Services	164.25	278.42	194.49	239.28
State/Local Government	280.76	328.05	292.13	262.41
Other	170.54	237.29	147.70	*

* Not disclosed.

Note: The average weekly wage for each category includes the salaries and wages of all persons working for that type business. For example, the manufacturing category includes both production workers and administrative personnel. Excludes domestic workers, railway workers, certain nonprofit corporations, majority of federal government workers, and self-employed workers.

Source: Kentucky Cabinet for Human Resources, Average Weekly Wages of Workers Covered by Kentucky Unemployment Insurance Law, 1987.

EXISTING INDUSTRY

HART COUNTY MANUFACTURING FIRMS,
THEIR PRODUCTS AND EMPLOYMENT

<u>Firm</u> <u>(Establishment date)</u>	<u>Product</u>	<u>1987</u> <u>Average Employment</u>	<u>Labor</u> <u>Unions</u>
Bonnieville			
Esta Hornback Lumber Company (1958)	Custom sawmill	2	
P.D.M. Industries (1983)	Cushions, custom wood, bunkbeds	10	
Hardville			
J. P. Apparel (1987)	Clothing	60	
Horse Cave			
Conteck Construction Products Division (1953)	Corrugated steel pipe	12	Electronic Workers, IUE*
Dart Container Corpor- ation of Kentucky (1980)	Plastic food containers & lids	340	
Hart County Creameries, Inc. (1941)	Cheddar cheese, whey products	30	
Hart County Herald (1911)	Newspaper, job printing, com- mercial	40	
Hart Stone Company (1964)	Crushed stone, agricultural lime	15	
Ken Dec Inc. (1969)	Automotive hub caps, finishing & plating, zinc die casting	110	
National Seating Com- pany (1983)	Truck seats	23	

(Continued)

<u>Firm</u> <u>(Establishment date)</u>	<u>Product</u>	<u>1987</u> <u>Average Employment</u>	<u>Labor</u> <u>Unions</u>
Royal Marine Manufacturing, Inc. (1988)	Boat trailers	9	
Rusko, Inc. (1988)	Wood mulch, potting soil	15	
Southern States Cooperative (1969)	Fertilizer	8	
Square Deal Lumber Company, Inc. (1946)	Concrete, ready mixed	5	
Magnolia			
Prosperity Farms (1987)	Organically-grown specialty foods	4	
Munfordville			
Anderson Forest Products #2, Inc. (1968)	Lumber, pallets, wood chips, reels	60	
The Hart County News (1878)	Newspaper, printing	3	
Louisville Bedding Company (1889)	Mattress protector pads	200	
Munfordville Craft Shop (1950)	Truck racks, wagon beds, tobacco sticks, pallet parts	1	
Munfordville Milling Company (1928)	Feed	3	

* See Labor Organizations below.

Sources: Kentucky Department of Business Development, 1988 Kentucky Directory of Manufacturers; Division of Research and Planning.

LABOR ORGANIZATIONS IN MANUFACTURING FIRMS

Union

Representing workers at:

International Union of
Electronic, Electrical,
Technical, Salaried and
Machine Workers, AFL-CIO

Conteck Construction Products
Division

SELECTED INDUSTRIAL SERVICES

<u>Types of Service</u>	<u>Location</u>	<u>Mileage from Horse Cave</u>
Custom Data Processing	Bowling Green	36
Custom Plastics Producers	Bowling Green	36
Electric Motor Repair	Glasgow Bowling Green	16 36
Grinding, Precision & Tool	Glasgow	16
Heat Treating Facilities	Louisville	81
Industrial Equipment & Supplies	Bowling Green	36
Industrial Gases	Glasgow	16
Industrial Waste Removal	Elizabethtown	39
Machine Shops, Tool & Die	Bowling Green	36
Metal Castings	Horse Cave	-
Metal Finishers	Horse Cave	-
Metal Service Centers	Bowling Green	36
Millwrights	Bowling Green	36
Public Warehouse Facilities	Bowling Green Elizabethtown	36 39

Sources: Kentucky Department of Business Development, Kentucky Directory of Selected Industrial Services, 1987; Division of Research and Planning.

TRANSPORTATION

Rail

Line serving Horse Cave and Munfordville - CSX Transportation

Services - Main line; piggyback facilities located at Louisville, 81 miles north of Horse Cave

For details on routing, schedules, rates, and services contact:

Manager
Industrial Development
CSX Transportation
908 West Broadway
P. O. Box 2157
Louisville, Kentucky 40201
(502) 587-7746

Highways

Horse Cave and Munfordville, located eight miles apart, are served by Interstate 65, a major north-south highway, with interchanges located two miles west of Horse Cave and one mile north of Munfordville. Both cities are also served by U.S. Highway 31W, a "AAA"-rated (80,000-pound gross load limit) trucking highway, and Munfordville is served by Kentucky 88, a "AA"-rated (62,000-pound gross load limit) trucking highway. Located only five miles east of Horse Cave and seven miles east of Munfordville is U.S. 31E, a "AAA"-rated trucking highway. Access onto the Cumberland Parkway is 16 miles southwest of Horse Cave and access onto the Green River Parkway is 39 miles southwest, both via I-65. Access onto the Western Kentucky Parkway and the Blue Grass Parkway is approximately 38 miles north of Horse Cave via I-65.

Truck Service

AAA Cooper Transportation*	Hohenwald Truck Lines, Inc.**
ABF Freight System, Inc.*	Jones Truck Lines, Inc.**
Advance Transportation Company**	Majors Transit, Inc.**
American Freight Systems, Inc.*	Manning Motor Express, Inc.**
Averitt Express, Inc.**	Middlewest Freightways, Inc.**
Bailey's Express, Inc.**	Overnite Transportation Company**
Brown Transport Corporation**	Portland Express, Inc.**
Carolina Freight Carriers Corporation**	Tyme Dedicated Truck Service, Inc.**
Central Transport, Inc.**	Yellow Freight System, Inc.**
Consolidated Freightways Corporation of Delaware**	

* Interstate service only.

** Interstate and intrastate service.

Source: American Motor Carrier Directory, Fall 1988.

HIGHWAY MILES AND TRUCK TRANSIT TIME IN DAYS FROM
MUNFORDVILLE, KENTUCKY, TO SELECTED MARKET CENTERS

City	Highway Miles	Delivery		City	Highway Miles	Delivery	
		Time TL				Time TL	
Atlanta, GA	339	1		Los Angeles, CA	2,165	3	
Baltimore MD	679	3		Louisville, KY	81	1	
Birmingham, AL	293	1		Nashville, TN	97	1	
Chicago, IL	373	1		New Orleans, LA	614	2	
Cincinnati, OH	182	1		New York, NY	829	3	
Cleveland, OH	426	2		Pittsburgh, PA	469	3	
Detroit, MI	441	1		St. Louis, MO	320	2	
Knoxville, TN	223	1					

Note: Mileage computations are via the best interstate or primary highways, not necessarily the most direct route of travel.

Sources: Rand McNally Deluxe Motor Carriers' Road Atlas, 1987. Official Kentucky Mileage Map, 1980. Delivery time - Manning Motor Express, P. O. Box 685, Glasgow, Kentucky 42141.

Air

Local

Location: Moore Field
2 miles northwest of Glasgow;
14 miles south of Horse Cave

Runways: 1 paved

Length: 4,000 feet, plus 600 feet overrun

Traffic Control: Wind sock

Lighting: Runway lights sundown to sunrise, REIL, VASI

Services: 100LL, jet-A fuel, charter, flight instruction, taxi,
minor A & P repairs, rental cars available, hangar
rental, auxiliary power unit, plane rental, tie-downs

Air Freight Service: Chartered air freight service must be arranged

Nearest Scheduled Commercial Airline Service

Standiford Field
Location: 4 miles southeast of center of Louisville, Kentucky;
76 miles north of Horse Cave
Runways: 2 paved
Length: 10,000 feet; 7,250 feet
Traffic
Control: Control Tower
Lighting: Runways, obstructions, beacon and approach; touch-
down lights and center line on one runway
Services: American Airlines, Delta, Eastern, Piedmont,
Northwest, TWA, United, USAir, Jetstream,
Allegheny Commuter, Comair, Braniff; fuel - 100
and jet-A; major A & P repairs, major Avionics
repairs, APU, charter, oxygen, U.S. Customs; taxi,
car rentals, limousine, courtesy car, public
transit; Weather Bureau, restaurant, snack bar,
gift shop, USO, bank
Air Freight
Service: Air freight terminal

Air Express Service

Several major companies offer air express services in Kentucky. These companies provide a quick means of shipping small to medium-sized packages expeditiously.

Water

The nearest navigable river is the Ohio River at Louisville, 81 miles north of Horse Cave via I-65. Port facilities are available at Louisville.

POWER AND FUEL

Electricity

Company serving Horse Cave, Munfordville, and parts of Hart County -
Kentucky Utilities Company
Source of power - Kentucky Utilities Company
For industrial rates contact:

Industrial Development Department
Kentucky Utilities Company
One Quality Street
Lexington, Kentucky 40507
(606) 255-1461

Company serving a major portion of Hart County - Farmers Rural Electric
Cooperative Corporation
Source of power - East Kentucky Power Cooperative
For industrial rates contact:

Industrial Development Division
East Kentucky Power Cooperative
P. O. Box 707
Winchester, Kentucky 40391
(606) 744-4812

and/or

Farmers RECC
504 South Broadway
Glasgow, Kentucky 42141
(502) 651-2191

Natural Gas

Company serving Horse Cave and Munfordville - Western Kentucky Gas
Company
Source of supply - Texas Gas Transmission Corporation
Size of transmission mains - 6 inches (supplier)
Distribution mains - 2 and 4 inches
Distribution pressure - 5 psi delivered
Btu content - 1,000 per cubic foot
Specific gravity - 0.60
For rates and supplies contact:

Director of Marketing
Western Kentucky Gas Company
311 West Seventh Street
Owensboro, Kentucky 42301
(502) 685-8067

WATER AND SEWERAGE

Public Water Supply

Company serving Horse Cave - Horse Cave Water Company
P. O. Box 364
Horse Cave, Kentucky 42749
(502) 786-2989

Source - Green River Valley Water District
Average daily consumption - 325,000 gallons
Peak daily consumption - 420,000 gallons
Storage capacity - 750,000 gallons
Size lines - 4 to 12 inches
Water pressure - 70 to 115 psi

MONTHLY WATER RATES

First	1,000 gallons	\$4.75 (Minimum)
Next	5,000 gallons	2.05 per M gallons
Next	5,000 gallons	1.95 per M gallons
Next	10,000 gallons	1.70 per M gallons
Next	10,000 gallons	1.60 per M gallons
Next	20,000 gallons	1.30 per M gallons
Next	50,000 gallons	.95 per M gallons

Tap-on charge: \$263.00

Company serving Munfordville - Munfordville Municipal Water Company
P. O. Box 85
Munfordville, Kentucky 42765
(502) 524-5701

Source - Green River Valley Water District
Average daily consumption - 230,000 gallons
Peak daily consumption - 245,000 gallons
Storage capacity - 200,000 gallons
Size lines - 2 to 8 inches
Water pressure - 40 to 55 psi

MONTHLY WATER RATES

First	2,000 gallons	\$6.00 (Minimum)
Next	8,000 gallons	2.25 per M gallons
Next	10,000 gallons	2.13 per M gallons
Next	10,000 gallons	1.88 per M gallons
Next	10,000 gallons	1.75 per M gallons
Next	20,000 gallons	1.50 per M gallons
Next	40,000 gallons	1.00 per M gallons
All over	100,000 gallons	.80 per M gallons

Tap-on charge:

Residential - \$400
Commercial & Industrial - \$750

Sewerage

Company serving Horse Cave - Caveland Sanitation Authority
P. O. Box 364
Horse Cave, Kentucky 42749
(502) 786-2989 or 733-2887

Design capacity - 400,000 gallons per day

Average daily flow - 275,000 gallons

Type of treatment - Secondary

Treatment processes - Grit removal, trickling filter, secondary sedimentation, chlorination, sludge drying beds

Treated effluent discharged into - Green River

Size of sanitary mains - 8 to 12 inches

Monthly rates - \$3.40 per thousand gallons of water billed

The Horse Cave Water and Sewer Company implements a surcharge for anyone who violates any of the discharge standards set forth by the City of Horse Cave. The surcharge is \$0.64 per pound of BOD and TSS.

Tap-on charge: \$250

Company serving Munfordville - Munfordville Sewage Treatment Plant
P. O. Box 85
Munfordville, Kentucky 42765
(502) 524-5701

Design capacity - 150,000 gallons per day

Average daily flow - 60,000 gallons

Type of treatment - Primary

Treatment processes - Grit removal, primary sedimentation, chlorination, sludge drying beds, screening, extended aeration, contact stabilization

Treated effluent discharged into - Green River

Size of sanitary mains - 8 inches

Size of storm mains - 20 inches

Monthly rates - 90% of monthly water bill

Tap-on charge - The customer must make his own arrangements for hook-up.

A Mammoth Cave Area Regional Sewer System is under construction for Horse Cave, Cave City and Park City. The \$13 million project, which will eliminate direct discharges to underground streams, will consist of renovation of the Horse Cave Sewerage Treatment Plant, renovation of the Cave City Sewerage Treatment Plant, construction of new pumping stations at Park City, and construction of a sewerage transmission line from Park City, through Cave City, to Horse Cave, and finally discharged at the Green River. The Cave City Water and Sewer Company will treat the sewerage that is pumped from Park City. The project is scheduled for completion in late 1989.

CLIMATE

Hart County

Temperature

Normal (30-year record)	54.90 degrees
Average annual 1987	56.80 degrees
Record highest, August 1983 (43-year record)	103.00 degrees
Record lowest, January 1963 (43-year record)	-21.00 degrees
Normal heating degree days (30-year record) (Heating degree day totals are the sums of negative departures of average daily temperatures from 65 degrees F.)	4,814

Precipitation

Normal (30-year record)	45.68 inches
Mean annual snowfall (43-year record)	16.40 inches
Total precipitation 1987	36.68 inches
Mean number days precipitation (.01 inch or more) (43-year record)	130.10
Mean number days thunderstorms (43-year record)	45.40

Prevailing winds (through 1963)

South

Relative Humidity (24-year record)

1 a.m.	77 percent
7 a.m.	81 percent
1 p.m.	60 percent
7 p.m.	64 percent

Source: U.S. Department of Commerce, Environmental Science Services Administration, Climatological Data, 1987. Station of record: Lexington, Kentucky.

LOCAL GOVERNMENT

Structure

Hart County is served by a county judge/executive and five magistrates. Horse Cave and Munfordville are each served by a mayor and six council members.

Planning and Zoning

Joint agency - Hart County Planning Commission
Participating cities - Bonnieville, Munfordville, and Horse Cave
Zoning enforced - Horse Cave, Munfordville
Subdivision regulations enforced - All areas
Local codes enforced - Building and housing
Mandatory state codes enforced - Kentucky Plumbing code, National Electric Code, Kentucky Boiler Regulations and Standards, Kentucky Building Code (modeled after BOCA code)

Local Fees and Licenses

The City of Horse Cave levies an occupational license tax ranging from \$25 to \$500 annually. The City of Munfordville levies an occupational license tax ranging from \$25 to \$75 annually.

State and Local Property Taxes

All property in Kentucky, except items exempted by the state constitution, is taxed by the state. Property which also may be taxed by local jurisdictions includes land and buildings, finished goods inventories, automobiles, trucks, office furniture and office equipment. Local taxing jurisdictions in Kentucky include counties, cities, and school districts.

All property in Kentucky is assessed at 100 percent of fair cash value.

COMBINED STATE AND LOCAL RATES PER \$100 VALUATION, 1988

	Horse Cave and Caverna Independent School District	Munfordville and Hart County School District	Unincorporated Hart County
Land and Buildings	\$1.268	\$0.928	\$0.730
Manufacturing			
Machinery	0.150	0.150	0.150
Pollution Control			
Equipment	0.150	0.150	0.150
Inventories			
Raw materials	0.001	0.001	0.001
Goods in Process	0.001	0.001	0.001
Finished Goods	1.067	0.722	0.529
Automobiles & Trucks	1.512	1.161	0.911
Other Tangible			
Personal Property	1.516	1.171	0.978
Intangibles (Accounts receivable*, money in hand, stock, notes, bonds)	0.250	0.250	0.250
Goods Stored in Public Warehouses in Transit Status	0.001	0.001	0.001
Private Leaseholds in Industrial Revenue Bond Financed Facilities	0.015	0.015	0.015

* Accounts receivable are taxed at 85 percent of face value, for an effective rate of \$0.2125 per \$100 valuation.

Safety

Police	Horse Cave	Munfordville	Hart County
Total staff	5	6	4
Radio-patrol cars	2	2	3

Fire*

Insurance Services Office, Public Protection Classification	6	8	**
Volunteers	25	25	136

Rescue Service

Hart County Rescue Squad

Refuse Collection and Disposal

Refuse collection and disposal service is provided to the residents of Horse Cave by the City of Horse Cave, which franchises the service out to a private contractor. Service to commercial and industrial customers must be arranged through private contractors. Service to Hart County must be arranged with private contractors.

* Includes copyrighted material of ISO Commercial Risk Services, Inc., with its permission.

** Six volunteer fire department serve Hart County. The insurance ratings range from 6 to 10.

EDUCATION

Public Schools

	Caverna Independent*	Hart County**
Total Enrollment (Fall 1988)	1,035	2,397
Kindergarten	84	156
Elementary	520	1,142
Junior High		368
High School	431	731
 Pupil-Teacher Ratio (1986-87)	 17.6-1	 18.1-1
 Percent High School Graduates to College (1986-87)	 46.2	 42.6
 Expenditures Per Pupil (1986-87)	 \$2,003	 \$2,149

Area Colleges and Universities

<u>Name</u>	<u>Location (Miles distant)</u>	<u>Enrollment (Fall, 1987)</u>	<u>Highest Degree Conferred</u>
Western Kentucky University	Bowling Green (36)	13,520	Masters, Specialist***
Elizabethtown Community College	Elizabethtown (39)	2,346	Associate
Campbellsville College	Campbellsville (46)	660	Baccalaureate
Lindsey Wilson College	Columbia (53)	1,030	Baccalaureate

* Plans are currently under way at the Caverna Independent School System to renovate the elementary and high schools. Cost of the projects total \$2.75 million.

** Improvements currently under way in the Hart County School System are the reroofing of Hart County High School and the construction of a \$1.4 million athletic complex. The complex consists of a football field with a 400 meter, six-lane rubberized track around the playing field; a baseball field; and a stadium located between the two fields.

*** Joint doctoral degree programs are offered in cooperation with the University of Kentucky, Lexington, and cooperative doctoral degree programs are offered with the University of Louisville. The degrees are issued by the University of Kentucky or the University of Louisville.

Vocational Training

The Bluegrass State Skills Corporation, an independent public corporation created and funded by the Kentucky General Assembly, provides programs of skills training to meet the needs of business and industry from entry level to advanced training, and from upgrading present employees to retraining experienced workers.

The Bluegrass State Skills Corporation is the primary source for skills training assistance for a new or existing company. The Corporation works in partnership with other employment and job training resources and programs, as well as Kentucky's economic development activities, to package a program customized to meet the specific needs of a company.

Vocational training is available at both the state vocational-technical schools and the area vocational education centers. The state vocational-technical schools are post-secondary institutions. The area vocational education centers are designed to supplement the curriculum of high school students. Both the state vocational-technical schools and the area vocational education centers offer evening courses to enable working adults to upgrade current job skills.

Arrangements can be made to provide training in the specific production skills required by an industrial plant. Instruction may be conducted either in the vocational school or in the industrial plant, depending upon the desired arrangement and the availability of special equipment.

(Continued)

Nearest State Schools

Bowling Green State Vocational-Technical School
Bowling Green, 36 miles distant

Agriculture	Auto Mechanics
Adult Agriculture	Automated Manufacturing/ Robotics
Business & Office	Carpentry
Accounting/Management	Diesel Mechanics
Clerical	Electricity
Exploratory Business & Office	Electronics
Secretarial	Graphic Arts
Distributive Education	Industrial Maintenance
Retailing	Machine Shop
Consumer & Home Economics	Masonry
Commercial Foods	Plumbing
Consumer & Family Life Skills	Welding
Health & Personal Services	Learning Resources Center
Occupations	Public Service Occupations
Dental Assisting	Business/Industry Security Training
Health Services	CPR Training
Nurse Assisting	Electrical Safety Training
Radiologic Technology	Emergency Medical Care
Respiratory Therapy Technician	Fire Service Training
Surgical Technology	First Aid & Safety
Industrial Education	Rescue & Emergency Services Training
Air Conditioning	
Auto Body Repair	

Elizabethtown State Vocational-Technical School
Elizabethtown, 39 miles distant

Agriculture	Electricity
Agricultural Mechanics	Electronics
Business & Office	Industrial Machine Maintenance
Accounting/Management	Machine Shop
Clerical	Plumbing
Secretarial	Radio & TV Repair
Word Processing	Welding
Consumer & Home Economics	Public Service Occupations
Commercial Foods	Business/Industry Security Training
Consumer & Family Life Skills	CPR Training
Industrial Education	Electrical Safety Training
Air Conditioning	Emergency Medical Care
Appliance Repair	Fire Service Training
Auto Mechanics	First Aid & Safety
Carpentry	Rescue & Emergency Services Training
Diesel Mechanics	
Drafting (with CAD/CAM)	

Nearest Area Education Center

Barren County Area Vocational Education Center
Glasgow, 16 miles distant

Business & Office

Accounting/Management

Clerical

Secretarial

Health & Personal Services

Occupations

Health Services

Industrial Education

Air Conditioning

Auto Mechanics

Carpentry

Drafting

Electricity

Machine Shop

Welding

Special Vocation

Vocational Improvement

Programs

HEALTH

Local Medical Personnel

Physicians - 8

Dentists - 4

Hospitals

<u>General Hospital</u>	<u>Location</u>	<u>Beds</u>
Caverna Memorial Hospital	Horse Cave	30

Medical staff - 10 doctors, 14 registered nurses, and 16 licensed practical nurses

Other Medical Facilities

Barren River District Health Department (Hart County Health Department)
Family Medical Center (Munfordville)

Ambulance Service

Name - Hart County Ambulance Service

Staff - 7 emergency medical technicians and a paramedic (3 ambulances)

OTHER LOCAL FACILITIES

Communications

Telephone - South Central Rural Telephone
Cooperative

Telegraph - Western Union
Toll-Free number, 1-800-325-6000

Newspapers -
Weekly and
circulation - Hart County Herald (Horse Cave) - 2,300;
Hart County News (Munfordville) - 3,400

Radio - WLOC-AM/FM (Munfordville)

Television -
Airwave reception
from - Bowling Green, Louisville, and
Campbellsville, Kentucky;
Nashville, Tennessee

Cable service - Telescripts Cable TV (Horse Cave);
Mid-Kentucky Cable (Munfordville)

Educational
Television - The Kentucky Educational Television
(K.E.T.) network is available
statewide

Library Services

Public library - Hart County Public Library, Munfordville
Size collection - 29,000 volumes
Circulation, 1987-88 - 80,000

Horse Cave Public Library
Size collection - 11,270 volumes
Circulation, 1987-88 - 13,000

Religious Institutions

Denominations - Baptist
Catholic
Christian
Church of Christ
Church of God
Holiness Church
Jehovah's Witnesses
Methodist
Presbyterian
Southern Baptist

Nearest Synagogues - Louisville, Kentucky, 81 miles north

Financial Institutions

<u>Banks</u>	<u>Assets</u>	<u>Deposits</u>	<u>Statement Date</u>
Hart County Bank and Trust Company	\$25,199,962.00	\$22,669,729.00	12/19/88
Horse Cave State Bank	59,805,265.31	50,765,913.54	6/30/88

<u>Savings and Loan Associations</u>	<u>Assets</u>	<u>Deposits</u>	<u>Statement Date</u>
First Federal Savings and Loan Association*	\$183,741,157.00	\$151,160,804.00	9/30/80

Hotels and Motels

Hart County**

Total number -	5
Total rooms -	153

* The home office of First Federal Savings and Loan is in Elizabethtown, with branch offices in three Kentucky cities. Figures are those from Munfordville, Elizabethtown, Radcliff and Bardstown.

** An additional 1,000 rooms are available in Cave City, 4 miles south of Horse Cave.

RECREATION

Local

Public recreational facilities available in Hart County include tennis courts, baseball fields, football fields, gymnasiums, parks, playgrounds, a softball field, a supervised recreational program, and a driving range.

The Horse Cave Theatre, which opened in 1977, features professional actors and presents a number of plays each summer. They also offer educational programs such as the Intern Program, the Children's Theatre Workshops and the Education Outreach Program.

Located in Munfordville, the Hart County Historical Museum contains historical and genealogical data and artifacts native to Hart County.

The Palmore Jaycee Community Center in Horse Cave houses recreational facilities as well as a meeting room, a kitchenette, and a stage.

Open year-round, Munfordville Civil War Forts is a walking self-guided tour of historic homes and earthen forts of the Civil War era.

The Thelma Stovall Park, located on the Green River in Munfordville, features picnic tables, covered shelters, boat ramp, and a canoe livery.

A City-County Community Center has recently been completed in Munfordville. Facilities include meeting rooms and a kitchen.

The Hart County Fairgrounds, in Munfordville, is the location of the annual Hart County Fair.

A country club offers an Olympic-size pool, a 9-hole golf course, and tennis courts.

The Cave City Convention Center, 4 miles south of Horse Cave, offers complete meeting and conference facilities to groups in size from 100 to 1,100.

Area (Within 50 miles)

Mammoth Onyx Cave, located two miles west of Horse Cave, is called the gem of Kentucky Cave Country and features onyx formations from the most delicate flower to the massive mammoth onyx column. The cave is open every day of the year for tours.

Mammoth Cave National Park is located 9 miles west of Horse Cave near Cave City. Beneath 52,000 park acres, Mammoth Cave is among the major tourist attractions of all times. It is the largest cave network ever discovered, with over 300 miles of caverns. Some famous sights are Snowball Dining Room (267 feet below surface), Frozen Niagara, Crystal Lake, and Bottomless Pit. The park also features scenic boat trips on the Green River and nature and hiking trails. Park accommodations include a hotel with distinctive gift shops featuring native Kentucky and Southern Highland handicrafts, a motor lodge, hotel cottages, and woodland cottages. Other park facilities include the hotel dining room and coffee shop, a service center, group meeting facilities, a campground, boat rides, a picnic area, and tennis and shuffleboard courts. The park is open for tours every day of the year (except Christmas Day).

Nolin River Lake is just north of Mammoth Cave National Park. The lake has a surface area of 5,800 acres and offers facilities for camping, boating, and fishing.

Barren River Lake State Resort Park, 30 miles south of Horse Cave near Glasgow, is a full-facility resort park offering a 51-room resort lodge, 12 cottages, a coffee shop, a heated lodge and cottage pool, a beach, riding stables, nature trails, open and covered boat slips, a 9-hole golf course, lighted handball and tennis courts, shuffleboard, park camping with a service building, a restaurant, fishing and pleasure boat rentals, picnic areas, and a playground. Barren River Lake, which covers 10,000 acres, is a popular area for skiing, sailing, fishing, and swimming.

Abraham Lincoln Birthplace National Historic Site, located 35 miles northeast of Horse Cave near Hodgenville, features the log cabin which was the birthplace of Abraham Lincoln, enclosed within a granite memorial shrine. The grounds include 116 acres of the original Thomas Lincoln farm and a visitors' center with audiovisual programs and exhibits on the Lincoln family.

Bowling Green is located 36 miles southwest of Horse Cave. Bowling Green serves the area as a recreational and educational center. Kentucky Museum and Library offers extensive collections relating to the history and heritage of the Commonwealth. Western Kentucky University provides the city with many exciting sporting events. Beech Bend Amusement Park has many rides, games, an international raceway, and other forms of entertainment.

Green River Lake State Park near Campbellsville, 49 miles east of Horse Cave, is made up of 1,300 acres surrounding an 8,200-acre lake. The park is open all year-round and offers 156 campsites, a service building, playground, planned recreation, beaches, boat docks, fishing, and a picnic area.

COMMUNITY IMPROVEMENTS

Recent

In 1988, Hart County had over \$15 million in new industry and existing industry expansion, resulting in over 100 new jobs.

The new Hart County industries include: J. P. Apparel, Royal Marine, Prosperity Farms, and Rusko, Inc. Expansions have taken place at: P.D.M. Industries; Hart County Creameries, Inc.; Ken Dec, Inc.; The Louisville Bedding Company; and Dart Container Corporation of Kentucky.

The Hart County Industrial Foundation was recently formed and is in the process of purchasing land for an additional industrial site.

A \$570,000 Community Development Block Grant for improvements on Dixie Street and McFreen Street was recently completed.

Construction of a 10-unit apartment complex in Munfordville, for low to moderate income families, was recently completed. Thirty-six more units are currently under construction and will be completed in late 1989.

A Mammoth Cave Area Regional Sewer System is currently under construction for Horse Cave, Cave City and Park City. The \$13 million project, which will eliminate direct discharges to underground streams, will consist of renovation of the Horse Cave Sewerage Treatment Plant, renovation of the Cave City Sewerage Treatment Plant, construction of new pumping stations at Park City, and construction of a sewerage transmission line from Park City, through Cave City, to Horse Cave, and finally discharged at the Green River. The Cave City Water and Sewer Company will treat the sewerage that is pumped from Park City. The project is scheduled for completion in late 1989.

Under Way

Improvements currently under way in the Hart County School System include the reroofing of the Hart County High School and the construction of a \$1.4 million athletic complex. The complex consists of a football field with a 400-meter, six-lane rubberized track around the playing field; a baseball field; and a stadium located between the two fields.

Planned

Plans are currently under way at the Caverna Independent School System to renovate the elementary and high schools. Cost of this project is approximately \$2.75 million.

The American Cave Conservation Association has plans to develop a \$5 million American Cave and Karst Center in Horse Cave. The purpose of the center is to provide a national scale museum related to caves, karst, groundwater and man's interaction with these features.



**Cabinet for Economic Development
Capital Plaza Tower
Frankfort, Kentucky 40601
(502) 564-7140**