

**RESOLUTION 17-04**

WHEREAS, the Disaster Mitigation Act of 2000 (DMA 2000) – Public Law 106-390 reinforces the importance of pre-disaster infrastructure mitigation planning to reduce disaster losses nationwide.

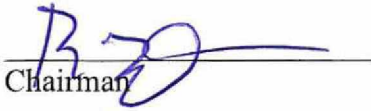
WHEREAS, the mitigation planning provisions outlined in Section 322 of the Act establish performance-based standards for mitigation plans and require states to develop County and City Government Hazard Mitigation plans; and

WHEREAS, a collaborative effort between the Kentucky Division of Emergency Management and Bluegrass Area Development District has resulted in the development of the Madison County Hazard Mitigation Plan Measures and Goals & Objectives, thus fulfilling the stipulations of DMA 2000,

NOW, THEREFORE, BE IT RESOLVED, that Madison County Hazard Mitigation Plan Committee hereby authorizes:

***The approval of the attached Madison County Hazard Mitigation Plan Measures and Goals & Objectives as the official County Hazard Mitigation Plan Measures and Goals & Objectives of Madison County.***

Approved this 28th day of February 2017, by the Madison County Hazard Mitigation Plan Committee.

  
Chairman

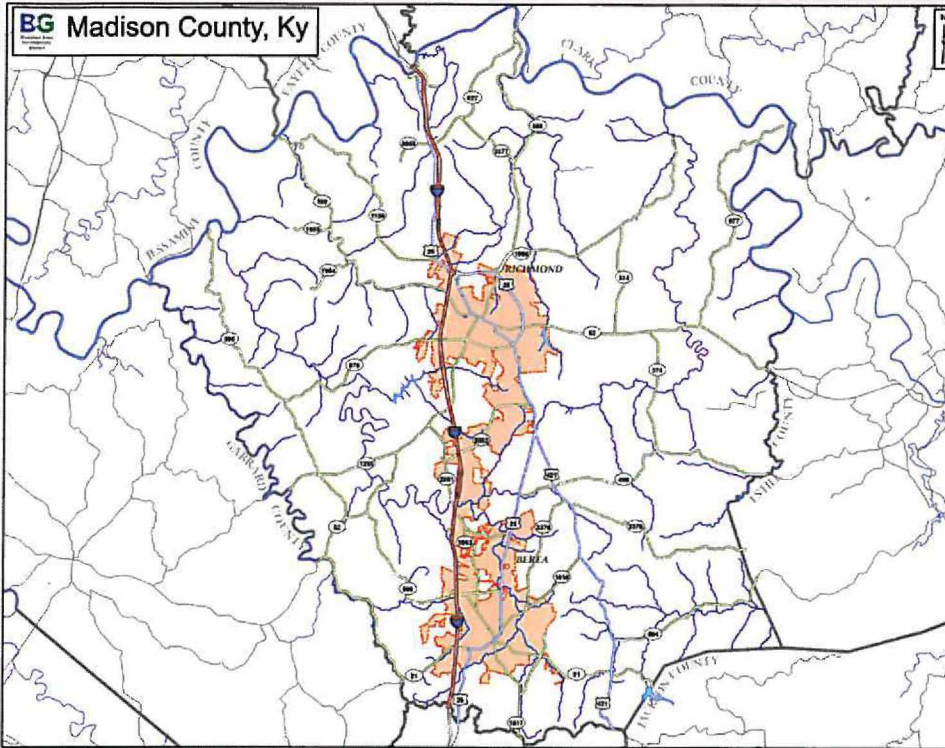
  
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## SECTION 5.11 MADISON COUNTY

### 5.11 Madison County, Richmond and Berea

### 5.11 Madison County, Richmond and Berea

#### Geography



#### 5.11.1 Data Profiles

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#### Climate

| Month     | Total Precipitation<br>Normal | Mean Max<br>Temperature Normal | Mean Min Temperature<br>Normal | Mean Avg Temperature<br>Normal |
|-----------|-------------------------------|--------------------------------|--------------------------------|--------------------------------|
| January   | 2.91                          | 44.9                           | 28.1                           | 36.5                           |
| February  | 3.43                          | 50.2                           | 31.0                           | 40.6                           |
| March     | 4.11                          | 59.5                           | 38.0                           | 48.8                           |
| April     | 3.71                          | 70.4                           | 47.4                           | 58.9                           |
| May       | 5.26                          | 77.3                           | 55.8                           | 66.5                           |
| June      | 4.65                          | 84.7                           | 63.9                           | 74.3                           |
| July      | 4.74                          | 87.0                           | 67.3                           | 77.1                           |
| August    | 3.58                          | 86.6                           | 65.8                           | 76.2                           |
| September | 3.58                          | 80.2                           | 59.2                           | 69.7                           |
| October   | 3.29                          | 69.3                           | 48.9                           | 59.1                           |
| November  | 3.81                          | 58.2                           | 40.7                           | 49.4                           |
| December  | 4.09                          | 47.4                           | 31.0                           | 39.2                           |

## SECTION 5.11 MADISON COUNTY

### Population Data (ACS, 2014)

| Subject                                    | Estimate | Percent |
|--------------------------------------------|----------|---------|
| Total population                           | 85,485   | 85,485  |
| Male                                       | 41,532   | 48.60%  |
| Female                                     | 43,953   | 51.40%  |
| Median age (years)                         | 33.6     | (X)     |
| Race                                       |          |         |
| White                                      | 78,414   | 91.70%  |
| Black or African American                  | 3,736    | 4.40%   |
| American Indian and Alaska Native          | 290      | 0.30%   |
| Asian                                      | 920      | 1.10%   |
| Native Hawaiian and Other Pacific Islander | 41       | 0.00%   |
| Some other race                            | 437      | 0.50%   |

### Housing Data (ACS, 2014)

| HOUSING OCCUPANCY      | Estimate | Percent |
|------------------------|----------|---------|
| Total housing units    | 35,434   | 35,434  |
| Occupied housing units | 31,752   | 89.60%  |
| Vacant housing units   | 3,682    | 10.40%  |
| Homeowner vacancy rate | 2.9      | (X)     |
| Rental vacancy rate    | 5.4      | (X)     |

### Jurisdictional Overviews (US Census, 2014)

|                |        |
|----------------|--------|
| Madison County | 87,340 |
| Berea          | 14,658 |
| Richmond       | 33,556 |

### Economy and Employment (ACS, 2014)

| EMPLOYMENT STATUS                 | Estimate | Percent |
|-----------------------------------|----------|---------|
| Population 16 years and over      | 69,455   | 69,455  |
| In labor force                    | 43,092   | 62.00%  |
| Civilian labor force              | 43,031   | 62.00%  |
| Employed                          | 39,106   | 56.30%  |
| Unemployed                        | 3,925    | 5.70%   |
| Armed Forces                      | 61       | 0.10%   |
| Not in labor force                | 26,363   | 38.00%  |
| Median household income (dollars) | 42,155   | (X)     |
| Mean household income (dollars)   | 55,750   | (X)     |

5.11.2 Critical Highway Inventory

5.11.2 Critical Highway Inventory

A. State Primary Road System

- **I-75** - from the Rockcastle County Line to Fayette County Line, a distance of 24.295 miles. (MP 73.408 to MP 97.703)
- **US 25** - from the intersection with KY 21 westbound in Berea, via Chestnut Street to the intersection with KY 21 eastbound (Prospect Street). Also, from the intersection with KY 876 in Richmond, via Dr. Robert H. Martin Bypass to the intersection with the I- 75 overpass, a distance of 5.760 miles. (MP 2.863 to MP 3.810)(MP 15.442 to MP 20.255)
- **US 421** - from the Rockcastle County Line extending north to the intersection with KY 21 westbound at Bighill, a distance of 2.442 miles. (MP 0.000 to MP 2.442)
- **KY 21** - from the intersection with KY 954 to the junction with US 25. Also, from the junction with US 25 in Berea, via Prospect Street and Bighill Road to the junction with US 421 at Bighill, a distance of 8.020 miles. (MP 6.176 to MP 9.115) (MP 9.115 to MP 14.196)
- **KY 52** - from the intersection with US 25, via Reeds Crossing and Elliston to the Estill County Line, a distance of 9.899 miles. (MP 12.970 to MP 22.869)
- **KY 627** - from the junction with KY 3055/US 25 to the Clark County Line, a distance of 6.074 miles. (MP 0.000 to MP 6.074)
- **KY 876** - from the I-75 bridge, east to the junction with US 25, a distance of 2.830 miles. (MP 7.129 to MP 9.959)

B. State Secondary Road System

- **US 25** - from the Rockcastle County Line via Slate Lick to the intersection with KY 21 westbound in Berea. Also, from the intersection with KY 21 eastbound in Berea, via Terrill to the intersection with KY 876 in Richmond. Also, from the intersection with the I-75 overpass, north of Richmond to junction with KY 2884, a distance of 22.401 miles. (MP 0.000 to MP 2.863)(MP 3.810 to MP 15.442)(MP 20.255 to MP 28.161)
- **US 25X (Business)** - from the junction with US 25-KY876, southeast of Richmond, via Big Hill Avenue, Main Street, and Lexington Road to the junction with US 25, north of Richmond, a distance of 3.654 miles. (MP 0.000 to MP 3.654)

## SECTION 5.11 MADISON COUNTY

- **US 421** - from the intersection with KY 21 westbound at Bighill extending north via Bobtown and Kingston to then junction with US 25 at Terrill, a distance of 10.129 miles. (MP 2.442 to MP 12.571)
- **KY 21** - from the junction with KY 52, via Wallaceston to the intersection with KY 954, a distance of 6.176 miles. (MP 0.000 to MP 6.176)
- **KY 52** - from the Garrard County Line via Happy Landing, Silver Creek, Caleast, and via Lancaster Road in Richmond to the junction with US 25X (Business) (West Main Street). Also, from another junction with US 25X (Business) (East Main Street), via East Main Street to the intersection with US 25 \*\*\* [Note: From KY 876 (Richmond Bypass) (MP 10.910) to US 25X (MP 11.896) and from US 25X (MP 11.896) to US 25 (Richmond Bypass)(MP 12.970) the City of Richmond has assumed certain responsibilities for roadway maintenance and traffic operations under a MOA between the Cabinet and City of Richmond] \*\*\*, a distance of 12.970 miles. (MP 0.000 to MP 11.896)(MP 11.896 to MP 12.970)
- **KY 169** - from US 25X (Business) (West Main Street) in Richmond, via Million, Stringtown, and Valley View to the approach to the end of state maintenance at the Valley View ferry on the south side of the Kentucky River, a distance of 12.449 miles. (MP 0.000 to MP 12.449)
- **KY 388** - from US 25X (Business) (Main Street) in Richmond, via Redhouse to the junction with KY 627 near Boonesborough, a distance of 12.937 miles. (MP 0.000 to MP 12.937)
- **KY 595** - from the intersection with KY 21, via Walnut Meadow Road in Berea to the intersection with Guynn Road, west of I-75, a distance of 3.043 miles. (MP 2.321 to MP 5.364)
- **KY 954** - from the Garrard County Line to the junction with KY 21, a distance of 0.139 mile. (MP 0.000 to MP 0.139)
- **KY 956** - from the junction with KY 595 to the junction with US 25, a distance of 1.383 miles. (0.000 to MP 1.383) KY 1295, from the Garrard County Line to the junction with KY 52, southwest of Caleast, a distance of 4.529 miles. (MP 0.000 to MP 4.529)
- **KY 1986** - from the junction with US 25 (Richmond Bypass) to the intersection with KY 388, a distance of 0.337 mile. (MP 0.000 to MP 0.337)

- **KY 2872 (Duncannon Lane)** - from the junction with KY 2881 to the junction with US 25, a distance of 4.271 miles. (MP 0.000 to MP 4.271)

### 5.11.3 Local Hazards, Risk Assessment, Overall Vulnerability

#### A. Flooding – Overall Community Vulnerability = HIGH

##### 1. Goals and Objectives:

Goal 1: Increase Madison County's capabilities to mitigate the effects of flooding.

Objective A: Re-establish the floodplain by updating floodplain maps.

Objective B: Enforce floodplain management practices and ordinances.

Objective C: Enhance the County's capability to gather historical data to conduct mitigation project cost benefit analyses.

Goal 2: Minimize the number of deaths and injuries caused by flooding.

Objective A: Enforce floodplain management practices and ordinances.

Objective B: Protect people from flood-prone areas.

Objective C: Educate people on the effects and dangers of flooding.

Objective D: Develop multi-jurisdictional response plan.

Goal 3: Reduce financial costs due to damage caused by flooding.

Objective A: Enforce floodplain management practices and ordinances.

Objective B: Identify or categorize high-impact areas.

Objective C: Identify mitigation projects.

Goal 4: Increase the capability of Madison County residents to mitigate losses due to flooding.

Objective A: Increase awareness among the residents of Madison County about the availability of NFIP flood insurance.

Objective B: Educate residents on existing flood prevention services.

### 5.11.3 Local Hazards, Risk Assessment, Overall Vulnerability

#### Flooding

#### Goals and Objectives

Goal 5: Increase local emergency management's capacity to help individuals, businesses and public entities cope with their losses and restore their structures and operations.

Objective A: Ensure emergency management personnel and first responders have access to adequate resources such as information, planning tools, equipment and personnel.

**2. Mitigation Strategies and Actionable Measures:**

- a. Maintain and promote house identification system to expedite the arrival of emergency personnel in times of hazard.
  - Partners: City/County, Emergency Management, Depot, Dam Tenders/Owners.
  - Specific Projects and Actions: None listed at this time.
- b. Promote the comprehensive updating of Flood Insurance Rate Maps (FIRM) floodplain maps throughout the County.
  - Partners: FEMA, Division of Water, Planning & Zoning, Floodplain Manager, GIS.
  - Specific Projects and Actions: None listed at this time.
- c. Continue looking at the possibility of a flood control project in the cities or County.
  - Partners: Division of Water, City/County, Planning & Zoning, GIS, Corps of Engineers, Department of Transportation, FEMA.
  - Specific Projects and Actions:
    - i. Water Street (Richmond)
    - ii. Main Street
    - iii. Cherry Road
    - iv. Baldwin Street
    - v. Old US 25
    - vi. I-75, Exit 77
    - vii. Water Street (Berea)
- d. Encourage the improvement of drainage and retention areas in both the cities and county.
  - Partners: City/County, GIS, Developers, Planning & Zoning, State and Local Road Departments.
  - Specific Projects and Actions: None listed at this time.

**Mitigation Strategies and Actionable Measures**

- e. Continue to monitor conditions in order to ensure that culverts throughout the county are free of debris or other objects that restrict flow.
  - Partners: City/County, GIS, Developers, Planning & Zoning, State and Local Road Departments, NRCS.
  - Specific Projects and Actions: Mapping inventory of all drainage structures for maintenance.
- f. Establish a vegetative management program in non-vegetative areas along waterways.
  - Partners: Division of Water, City/County, Planning and Zoning, Public Works, Land Owners, NRCS, USDA.
  - Specific Projects and Actions: None listed at this time.
- g. Monitor erosion problems and actively pursue a project to maintain the creek banks.
  - Partners: Division of Water, City/County, Planning and Zoning, Public Works, Land Owners, NRCS, USDA.
  - Specific Projects and Actions: None listed at this time.
- h. Develop and implement a localized evacuation planning and management program to ensure that County residents can safely seek higher ground and avoid flooded areas in the case of flash flooding.
  - Partners: EMA, Fire, Police, City/County, Search and Rescue.
  - Specific Projects and Actions: Standard plan for different safety zones in county.
- i. Seek funding to acquire homes in identified flood-prone areas of the county.
  - Partners: FEMA, City/County, KYEM, Local EMA, Land Owners.
  - Specific Projects and Actions:
    - i. Willow Green Spillway
    - ii. Valley View Ferry
- j. Identify the county and the cities' most at-risk critical facilities and evaluate the potential mitigation techniques for protecting each facility to the maximum extent feasible.
  - Partners: City/County, Planning & Zoning, GIS, Floodplain Manager.
  - Specific Projects and Actions: None listed at this time.
- k. Stormwater sewer and storm drain survey to determine future needs and upgrades. Then upgrade of storm drainage system.
  - Partners: Division of Water, Public Works, City/County, EPA, FEMA.
  - Specific Projects and Actions: Berea feasibility study.

- l. Continue to encourage the placement, the use of, and purchase of flood gauges for the city/County's waterways.
  - Partners: City/County, Flood Plain Manager, GIS, National Weather Service.
  - Specific Projects and Actions: None listed at this time.
- m. Continue to enforce county and cities' ordinance that restricts the construction of homes and businesses in the floodplain. Update as needed.
  - Partners: Planning & Zoning, GIS, Building Inspector, City/County, Division of Water, Floodplain Manager, NFIP, Banking.
  - Specific Projects and Actions: None listed at this time.
- n. Maintain information strategy to educate the public about the flood-prone areas in the cities and county, informing them of the regulations in place related to flooding and the importance of not constructing homes and other facilities in the floodplain. Seek potential new methods.
  - Partners: City/County, Planning & Zoning, Floodplain Manager.
  - Specific Projects and Actions: None listed at this time.
- o. Utilize Kentucky Division of Water Risk Map and encourage jurisdictional participation.
  - Partners: Division of Water, FEMA, City/County.
  - Specific Projects and Actions: None listed at this time.
- p. Encourage continual review of CSEPP standards and plans and how a CSEPP event during a flood hazard affects methods of response and evacuation.
  - Partners: City/County, Emergency Management, Depot.
  - Specific Projects and Actions: None listed at this time.
- q. Continually review potential flood-prone areas surrounding BGAD and how possible flooding could cause CSEPP event.
  - Partners: City/County, Emergency Management, Depot.
  - Specific Projects and Actions: None listed at this time.

**B. Tornadoes and Severe Storm – Overall community vulnerability = High**

**1. Goals and Objectives:**

Goal 1: Reduce the number of deaths and injuries caused by tornadoes.

Objective A: Enforce established building codes and ordinances.

**Tornadoes and  
Severe Storm**

**Goals and Objectives**

Objective B: Evaluate and establish tornado shelters in areas of greatest need.

Objective C: Educate people on the effects and dangers of tornadoes.

Objective D: Maximize the use of hazards mitigation grants to protect vulnerable populations.

Goal 2: Reduce the damage to and loss of property caused by tornadoes.

Objective A: Enforce established building codes and ordinances.

Objective B: Maximize the use of hazard mitigation grants to protect vulnerable structures.

Goal 3: Increase local emergency management's capacity to help individuals, businesses, and public entities cope with their losses and restore their structures and operations.

Objective A: Ensure emergency management personnel have access to adequate resources such as information, planning tools, equipment and personnel.

**2. Mitigation Strategies and Actionable Measures:**

**Mitigation Strategies and  
Actionable Measures**

- a. Placement of alert radios in schools, nursing homes, hospitals, daycare/special needs, etc.
  - Partners: Facility Owners, EMA, CSEPP.
  - Specific Projects and Actions: None listed at this time.
- b. Placement of alert radios in county residents' homes.
  - Partners: EMA, Homeowners, CSEPP.
  - Specific Projects and Actions: None listed at this time.
- c. Maintain and promote house identification system to expedite the arrival of emergency personnel in times of hazard.
  - Partners: City/County, Emergency Management, Road Department, Depot, Planning & Zoning, GIS.
  - Specific Projects and Actions: Develop public education campaign to stress benefits.
- d. Develop an information campaign to inform the public about what to do in the event of a tornado.
  - Partners: Emergency Management, City/County, NWS, Media, KYEM, County IT.
  - Specific Projects and Actions: Maintain storm-ready certification.

- e. Ensure that the Emergency Operations Center is adequately staffed and that personnel can respond after a tornado or other severe storm in the Cities and County in order to carry out proper response actions as outlined in the Emergency Operations Plan.
  - Partners: Emergency Management, City/County, Elected officials, Fire, Police, EMS, Health Department, Community Planners.
  - Specific Projects and Actions: Continued updates and upgrades of hardware and software.
- f. Evaluate the number of designed recovery shelters throughout the Cities and County in order to serve the public in the aftermath of a tornado or severe storm.
  - Partners: City/County, Emergency Management, Red Cross, Madison County VOAD, Churches.
  - Specific Projects and Actions:
    - i. Establish more MOU with additional facilities.
    - ii. Investigate and research accountability system and track for additional units.
- g. Evaluate the comprehensive storm siren plan for the Cities and County and ensure all are in proper working order.
  - Partners: Emergency Management, City/County, Elected Officials, Land Owners.
  - Specific Projects and Actions: Seek funds for the installation of new storm sirens in Richmond and Berea.
- h. Continue the progress of early warning notification systems in order to give residents an even earlier warning of approaching dangerous storms.
  - Partners: City/County, Emergency Management, GIS, Phone Service Providers, 911.
  - Specific Projects and Actions: None listed at this time.
- i. Encourage builders to utilize truss straps and other construction techniques that would presumably lessen to amount of destruction and flying debris in the event of a tornado or high winds.
  - Partners: City/County, Building Inspector, Planning & Zoning.
  - Specific Projects and Actions: None listed at this time.
- j. Develop ordinance to require tornado shelters for new mobile home concentrations.
  - Partners: City/County, Bluegrass ADD, Planning & Zoning, Building Inspection, Elected Officials, HBC, Developers.
  - Specific Projects and Actions: None listed at this time.

- k. Establish potential recovery shelters to mitigate loss of life and injury post-hazard.
  - Partners: City/County, Emergency Management, FEMA, Elected Officials, Owners of Established Facilities, KYEM, Red Cross, National VOAD, Local VOAD, Health Department, Churches.
  - Specific Projects and Actions:
    - i. Alumni Coliseum
    - ii. Seek funding for volunteers.
    - iii. Secure funding/donations for stockpiles of goods (food, clothing, water).
  
- l. Seek a solution to the problem of lack of radio signal throughout the Cities and the County in order to ensure that emergency response and recovery personnel are able to communicate with each other in the event in a tornado or other severe storms.
  - Partners: Emergency Management, City/County, Emergency Response.
  - Specific Projects and Actions:
    - i. Focus on deep, low-lying areas throughout the County.
    - ii. Acquire weather radios for citizenry.
  
- m. Advertise the availability, proximity, and the routes to tornado shelters throughout the county. Evaluate the number of shelters currently in place in look at establishing more throughout Richmond, Berea and the County. Ensure that shelters will be open to the public when needed.
  - Partners: City/County, Emergency Management, Developers, Facility Owners, IT, Churches.
  - Specific Projects and Actions: Feasibility Study to determine need for shelters and advertising.
  
- n. Encourage continual review of CSEPP standards and plans and how a CSEPP event could potentially affect or compound a tornado or severe storm hazard.
  - Partners: City/County, Emergency Management, Depot.
  - Specific Projects and Actions: None listed at this time.
  
- o. Continually review how a tornado or severe storm hazard affects BGAD, a CSEPP event, Shelter-in-Place protective action, CSEPP evacuation.
  - Partners: City/County, Emergency Management, Depot.
  - Specific Projects and Actions: None listed at this time.
  
- p. Exercise and evaluate points of distribution pods.
  - Partners: Local Businesses, Emergency Management, National Guard, VOAD.
  - Specific Projects and Actions: None listed at this time.



- c. Continue and/or develop a public information campaign (through social media, local TV, radio, printing of brochures, pamphlets, or booklets) in the cities and county, informing them of the dangers and risks associated with severe winter storms.
  - Partners: City/County, EMA, NWS, Media, Utility Provider, KYEM, National Guard, Fire, Health Department.
  - Specific Projects and Actions: Inform the public about alternative heating sources.
- d. Encourage the burying of residential utility services.
  - Partners: Local Utility Provider, City/County, Planning & Zoning, Developers
  - Specific Projects and Actions:
    - i. Citywide and County-wide Ordinance.
    - ii. Berea-Chestnut Street.
- e. Identify Special needs populations and plan to assist during winter storm events.
  - Partners: Bluegrass ADD, Emergency Management, City/County, Fire, Police, Health Department, Hospitals, Schools, Nursing Homes, Red Cross, VOAD, Salvation Army, EMS.
  - Specific Projects and Actions:
    - i. Continued improvement of stakeholder communication.
    - ii. Ongoing inventory of those in need with plan to maintain.
- f. Seek funding to equip essential support personnel to keep critical transportation routes passable.
  - Partners: Bluegrass ADD, City/County, Police, Fire, EMS, Public Works, Local Utility Provider, Hospitals.
  - Specific Projects and Actions:
    - i. Identify critical routes.
    - ii. Identify critical staff.
- g. Acquire vehicle to be used for road clearing and maintenance during winter storms to mitigate number of accidents and injuries on roadways.
  - Partners: Bluegrass ADD, City/County, Public Works, Local Utility Provider, EMS, Fire & Rescue.
  - Specific Projects and Actions:
    - i. Seek funding for additional Emergency Management Vehicles.
    - ii. Plan for transport of critical facility staff in the event of an emergency.

- h. Continually review how a winter storm hazard could cause or affect a CSEPP event and CSEPP Shelter-in-Place/Evacuation protective actions.
  - Partners: City/County, Emergency Management, Depot.
  - Specific Projects and Actions: None listed at this time.
- i. Identify warming centers and shelters for winter weather emergency.
  - Partners: City/County, Emergency Management, Health Department, Churches.
  - Specific Projects and Actions:
    - i. Keep shelters supplied.
    - ii. Map places to purchase kerosene.

**D. Droughts – Overall community vulnerability = Medium**

**Drought**

**1. Goals and Objectives:**

**Goals and Objectives**

Goal: Protect life and property within the County and Cities in the event of a drought.

**2. Mitigation Strategies and Actionable Measures**

**Mitigation Strategies and Actionable Measures**

- a. Map and identify areas that do not have access to city/county water.
  - Partners: GIS Department, Local Water Utility.
  - Specific Projects and Actions: Study potential impact of Kentucky River Lock failure.
- b. Set up procedure for getting water to residents without county/city water in times of drought.
  - Partners: Local Water Utility, EMA, FEMA.
  - Specific Projects and Actions: Livestock on city water.
- c. Maintain and promote house identification system to expedite the arrival of emergency personnel in times of hazard.
  - Partners: City/County, Emergency Management, Depot, Dam Tenders/Owners.
  - Specific Projects and Actions: None listed at this time.
- d. Ensure the county and its municipalities have in place a necessary backup water supply in the event of a moderate to severe drought.
  - Partners: City/County, Local Water Utility, Division of Water, Corps of Engineers.
  - Specific Projects and Actions:
    - i. Upper Owsley
    - ii. Study of potential back-up water supplies for Richmond.

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- e. Encourage cooperative efforts with other counties and cities in terms of finding solutions to water supply needs throughout Central Kentucky.
  - Partners: Bluegrass ADD, City/County, Local Water Utility, EMA.
  - Specific Projects and Actions: None listed at this time.
- f. Continually review plans for back-up water supplies and determine how drought would impact a CSEPP event and possible decontamination efforts.
  - Partners: City/County, Emergency Management, Depot.
  - Specific Projects and Actions: None listed at this time.

### E. Dams and Levee Failure – Overall community vulnerability = **Low**

### Dams and Levee Failure

#### 1. Goals and Objectives:

#### Goals and Objectives

Goal: Protect life and property within the County and Cities in the event of a dam/levee failure.

#### 2. Mitigation Strategies and Actionable Measures:

#### Mitigation Strategies and Actionable Measures

- a. Create or expand upon a unified countywide emergency notification strategy in the event of an emergency due to dam failure.
  - Partners: City/County, Emergency Management, Depot, Dam Tenders/Owners.
  - Specific Projects and Actions: Everbridge.
- b. Maintain and promote house identification system to expedite the arrival of emergency personnel in times of hazard.
  - Partners: GIS, Addressers, 911, City/County, Fire, Police, Sheriff.
  - Specific Projects and Actions: None listed at this time.
- c. Ensure proper signage near and on dams to inform residents about the dam.
  - Partners: Corps of Engineers, Division of Water, Private Owners, Kentucky River Authority.
  - Specific Projects and Actions: All high-risk dams.
- d. Continue to work with state officials to encourage the regular inspection of local dams and maintain older dams in order to ensure their safety and help prevent their failure.
  - Partners: Division of Water, Dam Owners.
  - Specific Projects and Actions: GPS monitoring for subsidence.

- e. Encourage and promote debris removal in local rivers, creeks, and streams.
  - Partners: Residents, NRCS, Kentucky Pride, Floodplain Manager, Public Works, Department of Fish & Wildlife, Corps of Engineers, Solid Waste.
  - Specific Projects and Actions: None listed at this time.
- f. Continue to educate the public about the location and nature of local dams and inform private entities of the need to perform inspection and maintenance on private dams.
  - Partners: City/County, Dam Tenders/Owners.
  - Specific Projects and Actions: County reviewing downstream structures.
- g. Encourage the creation of solutions (structural, financial, technical or otherwise) to decrease the potential for a disaster with respect to dams in the area that have the likelihood of failing.
  - Partners: Corps of Engineers, City/County, Division of Water, Dam Owners/Tenders.
  - Specific Projects and Actions: None listed at this time.
- h. Encourage and work with Dam Owners to develop Emergency Action Plans.
  - Partners: Corps of Engineers, City/County, Division of Water, Dam Owners/Tenders, Emergency Management, NRCS.
  - Specific Projects and Actions:
    - i. Kentucky River Dam #10
    - ii. Wilgreen Lake
    - iii. Lake Reba
    - iv. Berea Reservoir
    - v. Red Lick FRS #2
    - vi. Red Lick FRS #5
- i. Encourage and work with Dam Owners to assign and train Dam Tenders to observe and know signs of impending dam failures.
  - Partners: Corps of Engineers, City/County, Division of Water, Dam Owners/Tenders, Emergency Management, NRCS.
  - Specific Projects and Actions:
    - i. Kentucky River Dam #10
    - ii. Wilgreen Lake
    - iii. Lake Reba
    - iv. Berea Reservoir
    - v. Red Lick FRS #2
    - vi. Red Lick FRS #5

- j. Survey and production of inundation mapping of all high-risk dams.
  - Partners: Corps of Engineers, City/County, Division of Water, Dam Owners/Tenders, Emergency Management, NRCS.
  - Specific Projects and Actions:
    - i. Kentucky River Dam #10
    - ii. Wilgreen Lake
    - iii. Lake Reba
    - iv. Berea Reservoir
    - v. Red Lick FRS #2
    - vi. Red Lick FRS #5
- k. Continually review potential dam failure hazards, including Lake Vega, on BGAD and those surrounding BGAD and how possible failure would impact CSEPP event.
  - Partners: BGAD, Corps of Engineers, City/County.
  - Specific Projects and Actions:
    - i. Kentucky River Dam #10
    - ii. Wilgreen Lake
    - iii. Lake Reba
    - iv. Berea Reservoir
    - v. Red Lick FRS #2
    - vi. Red Lick FRS #5

**F. Earthquakes – Overall community vulnerability = Low**

**Earthquakes**

**1. Goals and Objectives:**

**Goals and Objectives**

Goal: Protect life and property within the County and Cities in the event of an earthquake.

**2. Mitigation Strategies and Actionable Measures:**

**Mitigation Strategies and Actionable Measures**

- a. Maintain and promote house identification system to expedite the arrival of emergency personnel in times of hazard.
  - Partners: City/County, Emergency Management, Depot.
  - Specific Projects and Actions: None listed at this time.
- b. Continue and/or develop a public information campaign (through social media, local TV, radio, printing of brochures, pamphlets, or booklets) in the cities and county, informing them of the dangers and risks associated with earthquakes.
  - Partners: City/County, KYEM, EMA, Corps of Engineers, USGS, GIS.
  - Specific Projects and Actions: Encourage the purchase of earthquake insurance.

- c. Identify critical infrastructure that would be vulnerable in the event of an earthquake.
  - Partners: City/County, Engineers, Department of Transportation, Public Utilities, Dam Owners/Tenders, Division of Water, Depot.
  - Specific Projects and Actions:
    - i. Blue Grass Army Depot
    - ii. Clay's Ferry Bridge (I-75)
- d. Enact legislation forcing new construction projects to adhere to guidelines that will make new structures safer in the event of an earthquake.
  - Partners: City/County, Planning and Zoning, Building Inspector.
  - Specific Projects and Actions: None listed at this time.
- e. Encourage citizens, when remodeling an existing structure, to adhere to guidelines that will make these structures safer in the event of an earthquake.
  - Partners: City/County, Homebuilders Association, Building Inspector, Planning & Zoning.
  - Specific Projects and Actions: None listed at this time.
- f. Implementation and inspection of safety standards in all schools and other public buildings.
  - Partners: City/County, School District, State, Fire, Building Inspector.
  - Specific Projects and Actions: None listed at this time.
- g. Implementation of retrofit safety standards of existing structures prone to earthquake damage.
  - Partners: City/County, HBC, Planning & Zoning.
  - Specific Projects and Actions: None listed at this time.
- h. Encourage continual review of CSEPP standards and plans and how a CSEPP event caused by an earthquake would affect plans and response.
  - Partners: City/County, Emergency Management, Depot.
  - Specific Projects and Actions: None listed at this time.

**G. Karst – Overall community vulnerability = Low**

**1. Goals and Objectives:**

Goal: Protect life and property within the County and Cities in the event of the formation of a sinkhole.

Karst

Goals and Objectives

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <p><b>2. Mitigation Strategies and Actionable Measures:</b></p> <ul style="list-style-type: none"> <li>a. Maintain and promote house identification system to expedite the arrival of emergency personnel in times of hazard. <ul style="list-style-type: none"> <li>• Partners: City/County, Emergency Management, Depot.</li> <li>• Specific Projects and Actions: None listed at this time.</li> </ul> </li> <li>b. Begin/Continue to educate the public about the dangers of sinkholes and the problems associated with constructing homes and businesses on unstable land and sinkhole-prone areas. <ul style="list-style-type: none"> <li>• Partners: Bluegrass ADD, City/County, NRCS.</li> <li>• Specific Projects and Actions: None listed at this time.</li> </ul> </li> <li>c. Continue the cooperative effort between the Bluegrass ADD GIS Department, the Kentucky Geological Society, and the Cities and County in order to adequately map all the sinkhole-prone areas in the county. <ul style="list-style-type: none"> <li>• Partners: Bluegrass ADD, City/County, Kentucky Geological Society, Planning &amp; Zoning, GIS.</li> <li>• Specific Projects and Actions: None listed at this time.</li> </ul> </li> <li>d. Establish a sinkhole ordinance in the County to restrict construction in sinkhole-prone areas. <ul style="list-style-type: none"> <li>• Partners: Bluegrass ADD, City/County, Kentucky Geological Society, Planning &amp; Zoning.</li> <li>• Specific Projects and Actions: None listed at this time.</li> </ul> </li> </ul> | <p><b>Mitigation Strategies and Actionable Measures</b></p>                                                             |
| <p><b>H. Landslides – Overall community vulnerability = Medium</b></p> <p><b>1. Goals and Objectives:</b></p> <p><u>Goal:</u> Protect life and property within the County and Cities in the event of landslides.</p> <p><b>2. Mitigation Strategies and Actionable Measures:</b></p> <ul style="list-style-type: none"> <li>a. Ensure that county roadwork crews have the necessary personnel and equipment to respond to county landslides on roadways. <ul style="list-style-type: none"> <li>• Partners: City/County, Department of Transportation, County Road Department, City Road Department, Public Works, GIS.</li> <li>• Specific Projects and Actions: None listed at this time.</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <p><b>Landslides</b></p> <p><b>Goals and Objectives</b></p> <p><b>Mitigation Strategies and Actionable Measures</b></p> |

- b. Begin/Continue to educate the public through an information campaign about the dangers of unstable land and constructing homes and businesses on landslide-prone areas.
  - Partners: City/County, Planning & Zoning, GIS.
  - Specific Projects and Actions: None listed at this time.
  
- c. Continue to ensure areas susceptible to landslides/rock slides in Richmond, Berea and the County are properly maintained in order to prevent loss of life and property in the event of a landslide.
  - Partners: City/County, Department of Transportation, County Road Department, City Road Department, Public Works, GIS.
  - Specific Projects and Actions: Address landsliding at the following:
    - i. Redhouse Road
    - ii. Tates Creek Road
    - iii. KY 21
    - iv. Muddy Creek
    - v. US 25
  
- d. Encourage the proper management of timbered areas throughout the county in order to prevent the improper deforestation of these lands, which leads to topsoil erosion and land sliding.
  - Partners: Conservation District, Division of Forestry, Property Owners, Division of Water.
  - Specific Projects and Actions: None listed at this time.
  
- e. Seek funding and develop strategies to address landslides that affect County roads.
  - Partners: Bluegrass ADD, City/County, Road Department, Fire, EMA.
  - Specific Projects and Actions: Address landsliding at the following:
    - i. Redhouse Road
    - ii. Tates Creek Road
    - iii. KY 21
    - iv. Muddy Creek
    - v. US 25
  
- f. Seek funding to repair, replace, or relocate structures affected by landslides.
  - Partners: Bluegrass ADD, City/County, Property Owners.
  - Specific Projects and Actions: Educate about insurance.

I. **Wildfires** – Overall community vulnerability = **Low**

**Wildfires**

1. **Goals and Objectives:**

**Goals and Objectives**

Goal: Protect life and property within the County and Cities in the event of a wildfire.

2. **Mitigation Strategies and Actionable Measures:**

**Mitigation Strategies and Actionable Measures**

- a. Encourage that Richmond, Berea, and County fire departments have the necessary personnel and resources available to them in order to respond to grass and other wildfires throughout the county.
  - Partners: City/County, Fire, Elected Officials, Division of Forestry, Public Works, Fire Commission, Volunteers.
  - Specific Projects and Actions:
    - i. Seek funding for sustained personnel recruitment and training.
    - ii. Mutual Aid Agreements between Jurisdictions.
    - iii. Seek funding for Water Tankers.
    - iv. Seek funding for bulldozer for Richmond, Berea, and County.
    - v. Seek funding to acquire aerial apps.
    - vi. Seek funding for feasibility study for new buildings and expand existing facilities.
    - vii. Seek funding for drones.
- b. Make an effort to ensure that more rural parts of the County have adequate water supplies in order to fight grass and other wildfires.
  - Partners: Division of Water, Local Water Utility, Elected Officials, Fire Departments, Division of Forestry, Planning & Zoning.
  - Specific Projects and Actions:
    - i. Study the water system.
    - ii. Expand hydrant system.
- c. Continue the education about controlled burnings and encourage County residents to notify officials in the event of controlled burnings.
  - Partners: City/County, Fire, Elected Officials, Media.
  - Specific Projects and Actions:
    - i. Seek funding for an expanded education campaign.
    - ii. Standardized permitting Countywide.
    - iii. Seek funding to develop a website.
- d. Ensure the identification of County and City locations through the Geographic Information System (GIS).
  - Partners: City/County, GIS Departments, Utility GIS Departments.
  - Specific Projects and Actions: Upgrading and updating software and share information.

- e. Continue to encourage local government officials to establish a “No Burn” ordinance.
  - Partners: City/County, Elected Officials, Fire Chiefs.
  - Specific Projects and Actions: None listed at this time.
  
- f. Encourage applying for the Kentucky Firewise Mitigation Grant, which enables local units of government and their agencies to obtain funds to study the problem of wildfires and carry out projects that mitigate against wildfires.
  - Partners: City/County, Fire Chiefs, Volunteer Fire Departments.
  - Specific Projects and Actions:
    - i. Red Lick
    - ii. Owsley Fork Reservoir
  
- g. Maintain lines of communication between and among state official with respect to wildfires. Encourage more cooperation from the state as well as a quicker and more adequate response in the event of a wildfire in the county.
  - Partners: City/County, Fire Chiefs, Volunteer Fire Department, Division of Forestry.
  - Specific Projects and Actions: Greater enforcement. Potential through state/local ordinances.
  
- h. Establish a county official, such as a fire warden, to ensure city/county burn codes and laws are enforced.
  - Partners: City/County, Fire Chiefs, Volunteer Fire Departments, Law Enforcement, State Legislature.
  - Specific Projects and Actions: Greater authority through legislative actions.
  
- i. Continually review how a wildfire hazard could affect a CSEPP event and CSEPP Shelter-in-Place/Evacuation protective actions.
  - Partners: City/County, Emergency Management, Depot.
  - Specific Projects and Actions: None listed at this time.

**SECTION 5.11 MADISON COUNTY****5.11.4 City/County Critical Facility Inventory****5.11.4 City/County  
Critical Facility Inventory**

| NAME                                    | CITY     | TYPE       |
|-----------------------------------------|----------|------------|
| CENTRAL KENTUCKY<br>REGIONAL AIRPORT    | RICHMOND | AIRPORT    |
|                                         | RICHMOND | CELL TOWER |
|                                         | RICHMOND | CELL TOWER |
|                                         | RICHMOND | CELL TOWER |
|                                         | RICHMOND | CELL TOWER |
|                                         | RICHMOND | CELL TOWER |
|                                         | RICHMOND | CELL TOWER |
|                                         | RICHMOND | CELL TOWER |
|                                         | BEREA    | CELL TOWER |
|                                         | RICHMOND | CELL TOWER |
|                                         | RICHMOND | CELL TOWER |
|                                         | RICHMOND | CELL TOWER |
|                                         | RICHMOND | CELL TOWER |
|                                         | RICHMOND | CELL TOWER |
|                                         | RICHMOND | CELL TOWER |
|                                         | RICHMOND | CELL TOWER |
|                                         | RICHMOND | CELL TOWER |
|                                         | BEREA    | CELL TOWER |
|                                         | BEREA    | CELL TOWER |
|                                         | RICHMOND | CELL TOWER |
|                                         | RICHMOND | CELL TOWER |
|                                         | RICHMOND | CELL TOWER |
|                                         | RICHMOND | CELL TOWER |
|                                         | BEREA    | CELL TOWER |
| MADISON COUNTY<br>EMERGENCY OPERATING C | RICHMOND | EOC        |
| BEREA FIRE STATION NO 2                 | BEREA    | FIRE       |
| CITY OF RICHMOND FIRE<br>STATION NO 1   | RICHMOND | FIRE       |
| CITY OF RICHMOND FIRE<br>STATION NUMBER | RICHMOND | FIRE       |
| COUNTY FIRE STATION 1                   | RICHMOND | FIRE       |
| FIRE STATION                            | RICHMOND | FIRE       |

## SECTION 5.11 MADISON COUNTY

| NAME                                 | CITY     | TYPE                |
|--------------------------------------|----------|---------------------|
| KIRKSVILLE FIRE DEPARTMENT           | RICHMOND | FIRE                |
| MADISON COUNTY FIRE DEPT             | RICHMOND | FIRE                |
| RED LICK VOLUNTEER FIRE DEPARTMENT   | BEREA    | FIRE                |
| RICHMOND FIRE DEPARTMENT STATION NUM | RICHMOND | FIRE                |
| UNION CITY VOLUNTEER FIRE            | RICHMOND | FIRE                |
| WACO VOLUNTEER FIRE DPARTMENT NOTHIN | RICHMOND | FIRE                |
| WHITEHALL VOLUNTEER FIRE DEPARTMENT  | RICHMOND | FIRE                |
|                                      | BEREA    | FIRE                |
| AMERICAN RED CROSS                   | BEREA    | GOVERNMENT BUILDING |
| APPALBANC                            | BEREA    | GOVERNMENT BUILDING |
| BEEA POLICE AND MUNICIPAL CENTER     | BEREA    | GOVERNMENT BUILDING |
| BEREA CITY HALL                      | BEREA    | GOVERNMENT BUILDING |
| BEREA COLLEGE PUBLIC RELATIONS BOND  | BEREA    | GOVERNMENT BUILDING |
| BEREA COLLEGE WATER TREATMENT PLANT  | BEREA    | GOVERNMENT BUILDING |
| BEREA FAMILY RESOURCE YOUTH SERVICE  | BEREA    | GOVERNMENT BUILDING |
| BEREA HOUSING AUTHORITY              | BEREA    | GOVERNMENT BUILDING |
| BEREA JAIL                           | BEREA    | GOVERNMENT BUILDING |
| BEREA SEWER COMMISSION               | BEREA    | GOVERNMENT BUILDING |
| BEREA STREET DEPARTMENT              | BEREA    | GOVERNMENT BUILDING |
| BEREA VOLUNTEER FIRE AND RESCUE      | BEREA    | GOVERNMENT BUILDING |

**SECTION 5.11 MADISON COUNTY**

| NAME                                 | CITY     | TYPE                |
|--------------------------------------|----------|---------------------|
| BLUEGRASS FARMWORKER HEALTH CENTER   | RICHMOND | GOVERNMENT BUILDING |
| CABINET FOR FAMILIES AND CHILDREN    | RICHMOND | GOVERNMENT BUILDING |
| CENTRAL KENTUCKY WILDLIFE MANAGEMENT | BEREA    | GOVERNMENT BUILDING |
| CITY OF RICHMOND RECREATION CENTER   | RICHMOND | GOVERNMENT BUILDING |
| CITY OF RICHMOND STREET AND SANITATI | RICHMOND | GOVERNMENT BUILDING |
| CITY OF RICHMOND STREET AND SANITATI | RICHMOND | GOVERNMENT BUILDING |
| CITY OF RICHMOND STREET AND SANITATI | RICHMOND | GOVERNMENT BUILDING |
| CITY OF RICHMOND STREET AND SANITATI | RICHMOND | GOVERNMENT BUILDING |
| DEPARTMENT OF PUBLIC ADVOCACY        | RICHMOND | GOVERNMENT BUILDING |
| ENVIRONMENTAL SERVICES               | RICHMOND | GOVERNMENT BUILDING |
| FARRIS PARKS FAMILY COURT ANNEX      | RICHMOND | GOVERNMENT BUILDING |
| FORT BOONESBOROUGH STAE PARK         | RICHMOND | GOVERNMENT BUILDING |
| FORT BOONESBOROUGH STATE PARK        | RICHMOND | GOVERNMENT BUILDING |
| FORT BOONESBOROUGH STATE PARK        | RICHMOND | GOVERNMENT BUILDING |
| FORT BOONESBOROUGH STATE PARK        | RICHMOND | GOVERNMENT BUILDING |
| KENTUCKY ALCOHOL PROGRAM             | RICHMOND | GOVERNMENT BUILDING |
| LAKE REBA RECREATION AREA            | RICHMOND | GOVERNMENT BUILDING |
| LAKE REBA RECREATION AREA            | RICHMOND | GOVERNMENT BUILDING |

**SECTION 5.11 MADISON COUNTY**

| NAME                                  | CITY     | TYPE                |
|---------------------------------------|----------|---------------------|
| LAKE REBA RECREATION AREA             | RICHMOND | GOVERNMENT BUILDING |
| LAKE REBA RECREATION AREA             | RICHMOND | GOVERNMENT BUILDING |
| MADISON CO ROAD DEPT OFFICE           | RICHMOND | GOVERNMENT BUILDING |
| MADISON CO ROAD DEPT PLANNING AND SO  | RICHMOND | GOVERNMENT BUILDING |
| MADISON COUNTY AMBULANCE SERVICE      | BEREA    | GOVERNMENT BUILDING |
| MADISON COUNTY COURTHOUSE             | RICHMOND | GOVERNMENT BUILDING |
| MADISON COUNTY DETENTION CENTER       | RICHMOND | GOVERNMENT BUILDING |
| MADISON COUNTY DETENTION CENTER       | RICHMOND | GOVERNMENT BUILDING |
| MADISON COUNTY EMS                    | RICHMOND | GOVERNMENT BUILDING |
| MADISON COUNTY PUBLIC LIBRARY         | BEREA    | GOVERNMENT BUILDING |
| MADISON COUNTY REGIONAL FIRE TRAININ  | RICHMOND | GOVERNMENT BUILDING |
| MADISON COUNTY SOLID WASTE DEPT       | RICHMOND | GOVERNMENT BUILDING |
| MADISON COUNTY SOLID WASTE DEPT       | RICHMOND | GOVERNMENT BUILDING |
| MADISON HALL OF JUSTICE               | RICHMOND | GOVERNMENT BUILDING |
| MADSION COUNTY HEALTH DEPARTMENT      | RICHMOND | GOVERNMENT BUILDING |
| MARILYN R ISAACS PERFORMING ARTS AND  | BEREA    | GOVERNMENT BUILDING |
| MOUNTAIN ASSOC FOR COMMUNITY ECONOMIC | BEREA    | GOVERNMENT BUILDING |
| RICHMOND CITY HALL                    | RICHMOND | GOVERNMENT BUILDING |
| RICHMOND NATIONAL GUARD ARMOURY       | RICHMOND | GOVERNMENT BUILDING |

## SECTION 5.11 MADISON COUNTY

| NAME                                 | CITY     | TYPE                      |
|--------------------------------------|----------|---------------------------|
| RICHMOND SECTION 8 HOUSING           | RICHMOND | GOVERNMENT BUILDING       |
| RICHMOND UTILITIES KENTUCKY WATER TR | RICHMOND | GOVERNMENT BUILDING       |
| RICHMOND UTILITIES KENTUCKY WATER TR | RICHMOND | GOVERNMENT BUILDING       |
| RICHMOND UTILITIES KENTUCKY WATER TR | RICHMOND | GOVERNMENT BUILDING       |
| RICHMOND UTILITIES KENTUCKY WATER TR | RICHMOND | GOVERNMENT BUILDING       |
| RICHMOND UTILITIES KENTUCKY WATER TR | RICHMOND | GOVERNMENT BUILDING       |
| RICHMOND UTILITIES KENTUCKY WATER TR | RICHMOND | GOVERNMENT BUILDING       |
| RICHMOND UTILITIES KENTUCKY WATER TR | RICHMOND | GOVERNMENT BUILDING       |
| SENIOR CITIZENS CENTER               | RICHMOND | GOVERNMENT BUILDING       |
| SOCIAL SECURITY ADMINISTRATION       | RICHMOND | GOVERNMENT BUILDING       |
| SOUTHERN MADISON WATER DISTRICT      | BEREA    | GOVERNMENT BUILDING       |
| UNITED STATES POST OFFICE            | RICHMOND | GOVERNMENT BUILDING       |
| WAS COR POLICE ROLL CALL             | RICHMOND | GOVERNMENT BUILDING       |
| WEST BERA SUBSTATION                 | BEREA    | GOVERNMENT BUILDING       |
|                                      | RICHMOND | GOVERNMENT BUILDING       |
|                                      | RICHMOND | GOVERNMENT BUILDING       |
|                                      | RICHMOND | GOVERNMENT BUILDING       |
|                                      | RICHMOND | GOVERNMENT BUILDING       |
|                                      | RICHMOND | GOVERNMENT BUILDING       |
|                                      | RICHMOND | GOVERNMENT BUILDING       |
| PATTIE A. CLAY REGIONAL MED CENTER   | RICHMOND | HOSPITAL                  |
|                                      | RICHMOND | MOBILE HOME CONCENTRATION |

## SECTION 5.11 MADISON COUNTY

| NAME                                 | CITY     | TYPE                      |
|--------------------------------------|----------|---------------------------|
|                                      | RICHMOND | MOBILE HOME CONCENTRATION |
|                                      | RICHMOND | MOBILE HOME CONCENTRATION |
|                                      | RICHMOND | MOBILE HOME CONCENTRATION |
|                                      | RICHMOND | MOBILE HOME CONCENTRATION |
|                                      | BEREA    | MOBILE HOME CONCENTRATION |
|                                      | BEREA    | MOBILE HOME CONCENTRATION |
|                                      | BEREA    | MOBILE HOME CONCENTRATION |
| 1913 COUNTY HIGH SCHOOL              | RICHMOND | SCHOOL                    |
| ADAMS BUILDING                       | RICHMOND | SCHOOL                    |
| ADMINISTRATION OFFICE                | RICHMOND | SCHOOL                    |
| AGRICULTURE BULDING                  | BEREA    | SCHOOL                    |
| ALUMNI BUILDING                      | BEREA    | SCHOOL                    |
| APPALACHIAN COLLEGE ASSOCIATION      | BEREA    | SCHOOL                    |
| APPALACHIAN MINISTRIES EDUCATIONAL R | BEREA    | SCHOOL                    |
| ARNIM D HUMMELL PLANETARIUM          | RICHMOND | SCHOOL                    |
| AULT BUILDING                        | RICHMOND | SCHOOL                    |
| B MOORE ATHLETIC CENTER              | BEREA    | SCHOOL                    |
| BAPTIST STUDENT CENTER               | RICHMOND | SCHOOL                    |
| BAPTIST STUDENT UNION                | BEREA    | SCHOOL                    |
| BECKHAM HALL                         | RICHMOND | SCHOOL                    |
| BELLEVUE CENTER                      | RICHMOND | SCHOOL                    |
| BELLEVUE CENTER                      | RICHMOND | SCHOOL                    |
| BELLEVUE CENTER                      | RICHMOND | SCHOOL                    |

**SECTION 5.11 MADISON COUNTY**

| NAME                                    | CITY     | TYPE   |
|-----------------------------------------|----------|--------|
| BEREA COLLEGE BCU<br>MAINTENENCE FACILI | BEREA    | SCHOOL |
| BEREA COLLEGE BCU<br>MAINTENENCE FACILI | BEREA    | SCHOOL |
| BEREA COLLEGE BCU<br>MAINTENENCE FACILI | BEREA    | SCHOOL |
| BEREA COLLEGE BCU<br>MAINTENENCE FACILI | BEREA    | SCHOOL |
| BEREA COLLEGE BCU<br>MAINTENENCE FACILI | BEREA    | SCHOOL |
| BEREA COMMUNITY SCHOOL                  | BEREA    | SCHOOL |
| BEREA COMMUNITY SCHOOL                  | BEREA    | SCHOOL |
| BEREA COMMUNITY SCHOOL<br>EXCEPTIONAL C | BEREA    | SCHOOL |
| BEREA COMMUNITY SCHOOL<br>EXCEPTIONAL C | BEREA    | SCHOOL |
| BEREA INDEPENDENT<br>BOARD OF EDUCATION | BEREA    | SCHOOL |
| BERT COMBS BUILDING                     | RICHMOND | SCHOOL |
| BLANTON HOUSE                           | RICHMOND | SCHOOL |
| BLUEGRASS CHRISTIAN<br>SCHOOL           | RICHMOND | SCHOOL |
| BREWER BUILDING                         | RICHMOND | SCHOOL |
| BROOMCRAFT                              | BEREA    | SCHOOL |
| BRUCE BUILDING                          | BEREA    | SCHOOL |
| BURNAM HALL                             | RICHMOND | SCHOOL |
| BURRIER BUILDING                        | RICHMOND | SCHOOL |
| BURRIER CHILD<br>DEVELOPMENT CENTER OF  | RICHMOND | SCHOOL |
| CAMMACK BUILDING                        | RICHMOND | SCHOOL |
| CARTER BUILDING                         | RICHMOND | SCHOOL |
| CASE HALL                               | RICHMOND | SCHOOL |
| CATHOLIC NEWMAN CENTER                  | RICHMOND | SCHOOL |
| CHAPEL OF MEDITATION                    | RICHMOND | SCHOOL |

## SECTION 5.11 MADISON COUNTY

| NAME                                 | CITY     | TYPE   |
|--------------------------------------|----------|--------|
| COATES ADMINISTRATION BUILDING       | RICHMOND | SCHOOL |
| COMMONWEALTH HALL                    | RICHMOND | SCHOOL |
| DANIEL BOONE ELEMENTARY SCHOOL       | RICHMOND | SCHOOL |
| DANIEL BOONE ELEMENTARY SCHOOL       | RICHMOND | SCHOOL |
| DANIEL BOONE ELEMENTARY SCHOOL       | RICHMOND | SCHOOL |
| DONALD R DIZNEY BUILDING             | RICHMOND | SCHOOL |
| DONOVAN BUILDING                     | RICHMOND | SCHOOL |
| DRAPER BUILDING                      | BEREA    | SCHOOL |
| DUPREE HALL                          | RICHMOND | SCHOOL |
| EARLE COMBS HALL                     | RICHMOND | SCHOOL |
| EASTERN KENTUCKY UNIVERSITY SKILLS T | RICHMOND | SCHOOL |
| EASTERN KENTUCKY UNIVERSITY SKILLS T | RICHMOND | SCHOOL |
| EASTERN KENTUCKY UNIVERSITY SKILLS T | RICHMOND | SCHOOL |
| EASTERN KENTUCKY UNIVERSITY SKILLS T | RICHMOND | SCHOOL |
| EASTERN KENTUCKY UNIVERSITY SKILLS T | RICHMOND | SCHOOL |
| EASTERN KENTUCKY UNIVERSITY SKILLS T | RICHMOND | SCHOOL |
| EDWARDS BUILDING                     | BEREA    | SCHOOL |
| EKU MILLION HOUSE                    | RICHMOND | SCHOOL |
| EKU WOMENS SOFTBALL LOCKER ROOM      | RICHMOND | SCHOOL |
| EMERY BUILDING                       | BEREA    | SCHOOL |
| ESTILL STREET OFFICES DEPARTMENT OF  | BEREA    | SCHOOL |
| FACILITIES MANAGEMENT                | BEREA    | SCHOOL |
| FACILITIES MANAGEMENT                | BEREA    | SCHOOL |
| FACILITIES MANAGEMENT                | BEREA    | SCHOOL |
| FACILITIES MANAGEMENT                | BEREA    | SCHOOL |

## SECTION 5.11 MADISON COUNTY

| NAME                         | CITY     | TYPE   |
|------------------------------|----------|--------|
| FACILITIES MANAGEMENT        | BEREA    | SCHOOL |
| FACILITIES MANAGEMENT        | BEREA    | SCHOOL |
| FACILITIES MANAGEMENT        | BEREA    | SCHOOL |
| FACILITIES MANAGEMENT        | BEREA    | SCHOOL |
| FITZPATRICK BUILDING         | RICHMOND | SCHOOL |
| FOLEY MIDDLE SCHOOL          | BEREA    | SCHOOL |
| FOLEY MIDDLE SCHOOL          | BEREA    | SCHOOL |
| FOSTER MUSIC BUILDING        | RICHMOND | SCHOOL |
| FRANK GENTRY BUILDING        | RICHMOND | SCHOOL |
| FROST BUILDING               | BEREA    | SCHOOL |
| HALL SCIENCE BUILDING        | BEREA    | SCHOOL |
| HARRY MOBERLY BUILDING       | RICHMOND | SCHOOL |
| HUTCHINS LIBRARY             | BEREA    | SCHOOL |
| INDUSTRIAL ARTS              | BEREA    | SCHOOL |
| JANE F CAMPBELL BUILDING     | RICHMOND | SCHOOL |
| JELKYL DRAMA BUILDING        | BEREA    | SCHOOL |
| JOHN BLACK BUILDING          | RICHMOND | SCHOOL |
| JOHN D ROWLETT BUILDING      | RICHMOND | SCHOOL |
| JOHN GRANT CRABBE LIBRARY    | RICHMOND | SCHOOL |
| JONES BUILDING               | RICHMOND | SCHOOL |
| KEEN JOHNSON BUILDING        | RICHMOND | SCHOOL |
| KEENE HALL                   | RICHMOND | SCHOOL |
| KEITH BUILDING               | RICHMOND | SCHOOL |
| KENTUCKY STATE POLICE        | RICHMOND | SCHOOL |
| KIRKSVILLE ELEMENTARY SCHOOL | RICHMOND | SCHOOL |
| KIRKSVILLE ELEMENTARY SCHOOL | RICHMOND | SCHOOL |
| KIT CARSON ELEMENTARY SCHOOL | RICHMOND | SCHOOL |
| KIT CARSON ELEMENTARY SCHOOL | RICHMOND | SCHOOL |

**SECTION 5.11 MADISON COUNTY**

| NAME                                 | CITY     | TYPE   |
|--------------------------------------|----------|--------|
| KIT CARSON ELEMENTARY SCHOOL         | RICHMOND | SCHOOL |
| KIT CARSON ELEMENTARY SCHOOL         | RICHMOND | SCHOOL |
| KIT CARSON ELEMENTARY SCHOOL         | RICHMOND | SCHOOL |
| KNAPP HALL                           | BEREA    | SCHOOL |
| LARRY O MARTIN BUILDING              | RICHMOND | SCHOOL |
| LAUNDRY/UTILITIES BUILDING           | BEREA    | SCHOOL |
| LINCOLN HALL                         | BEREA    | SCHOOL |
| MADISON CENTRAL VOCATIONAL BUILDING  | RICHMOND | SCHOOL |
| MADISON CO SCHOOLS DEPT OF BUILDINGS | RICHMOND | SCHOOL |
| MADISON CO SCHOOLS TECH SUPPORT CENT | RICHMOND | SCHOOL |
| MADISON COUNTY BOARD OF EDUCATION    | RICHMOND | SCHOOL |
| MADISON COUNTY DEPT SPECIAL EDUCATIO | RICHMOND | SCHOOL |
| MADISON COUNTY HIGH SCHOOL           | RICHMOND | SCHOOL |
| MADISON COUNTY HIGH SCHOOL           | RICHMOND | SCHOOL |
| MADISON COUNTY HIGH SCHOOL           | RICHMOND | SCHOOL |
| MADISON COUNTY HIGH SCHOOL           | RICHMOND | SCHOOL |
| MADISON COUNTY HIGH SCHOOL           | RICHMOND | SCHOOL |
| MADISON COUNTY HIGH SCHOOL           | RICHMOND | SCHOOL |
| MADISON COUNTY HIGH SCHOOL           | RICHMOND | SCHOOL |

**SECTION 5.11 MADISON COUNTY**

| NAME                                 | CITY     | TYPE   |
|--------------------------------------|----------|--------|
| MADISON SOUTHERN HIGH SCHOOL         | BEREA    | SCHOOL |
| MADISON MIDDLE SCHOOL                | RICHMOND | SCHOOL |
| MADISON MIDDLE SCHOOL                | RICHMOND | SCHOOL |
| MADISON MIDDLE SCHOOL                | RICHMOND | SCHOOL |
| MARTIN HALL                          | RICHMOND | SCHOOL |
| MARTIN HOUSE                         | RICHMOND | SCHOOL |
| MARY FRANCIS RICHARDS ECU ALUMNI CEN | RICHMOND | SCHOOL |
| MATTOX HALL                          | RICHMOND | SCHOOL |
| MAYFIELD ELEMENTARY SCHOOL           | RICHMOND | SCHOOL |
| MCCREARY HALL                        | RICHMOND | SCHOOL |
| MCGREGOR HALL                        | RICHMOND | SCHOOL |
| MEMORIAL SCIENCE BUILDING            | RICHMOND | SCHOOL |
| MILLER HALL                          | RICHMOND | SCHOOL |
| MOORE BUILDING                       | RICHMOND | SCHOOL |
| NURSING BUILDING                     | BEREA    | SCHOOL |
| PALMER HALL                          | RICHMOND | SCHOOL |
| PARKING AND TRANSPORTATION OFFICE    | RICHMOND | SCHOOL |
| PARKING AND TRANSPORTATION OFFICE    | RICHMOND | SCHOOL |
| PHELPS STOKES BUILDING               | BEREA    | SCHOOL |
| POWELL BUILDING STUDENT CENTER       | RICHMOND | SCHOOL |
| PRESNELL BUILDING                    | RICHMOND | SCHOOL |
| PRESSER HALL                         | BEREA    | SCHOOL |
| RAMSEY BUILDING                      | RICHMOND | SCHOOL |
| RAYMOND GABBARD BUILDING             | RICHMOND | SCHOOL |
| ROARK BUILDING                       | RICHMOND | SCHOOL |
| ROBERT B BEGLEY BUILDING             | RICHMOND | SCHOOL |

## SECTION 5.11 MADISON COUNTY

| NAME                                 | CITY     | TYPE   |
|--------------------------------------|----------|--------|
| ROBERT R MARTIN LAW ENFORCEMENT CENT | RICHMOND | SCHOOL |
| ROGERS-TRAYLOR                       | BEREA    | SCHOOL |
| ROGERS-TRAYLOR ARTS BUILDING         | BEREA    | SCHOOL |
| RUSTIC COTTAGE                       | BEREA    | SCHOOL |
| SEABURY CENTER                       | BEREA    | SCHOOL |
| SHIRLEY KEARNS GYMNASIUM             | RICHMOND | SCHOOL |
| SIDNEY CLAY HALL                     | RICHMOND | SCHOOL |
| ST MARK SCHOOL                       | RICHMOND | SCHOOL |
| STUDENT SERVICES                     | RICHMOND | SCHOOL |
| SULLIVAN HALL                        | RICHMOND | SCHOOL |
| THE ANGEL ACADEMY                    | RICHMOND | SCHOOL |
| THE NEW OPPORTUNITY SCHOOL           | BEREA    | SCHOOL |
| TODD HALL                            | RICHMOND | SCHOOL |
| TRADES BUILDING                      | BEREA    | SCHOOL |
| TURLEY HOUSE                         | RICHMOND | SCHOOL |
| UNIVERSITY BUILDING                  | RICHMOND | SCHOOL |
| WACO ELEMENTARY SCHOOL               | RICHMOND | SCHOOL |
| WEAVER HEALTH BUILDING               | RICHMOND | SCHOOL |
| WESLEY FOUNDATION UNITED METHODIST C | RICHMOND | SCHOOL |
| WHITE HALL ELEMENTARY SCHOOL         | RICHMOND | SCHOOL |
| WHITE HALL ELEMENTARY SCHOOL         | RICHMOND | SCHOOL |
| WOODCRAFT                            | BEREA    | SCHOOL |
| WOODS PENN                           | BEREA    | SCHOOL |
|                                      | BEREA    | SCHOOL |
|                                      | BEREA    | SCHOOL |
|                                      | BEREA    | SCHOOL |
|                                      | BEREA    | SCHOOL |
|                                      | BEREA    | SCHOOL |

5.11.5 Local Maps

