

Number	Mitigation Action	Responsible Organization	Coordinating Organization	Timeline	Approximate Cost	Funding Sources	Estimated Benefit	Priority	Structures Affected	FEMA Category	STAPLEE Score
<b>Flooding</b>											
<b>Mitigation Goal 1:</b> To minimize the losses of life and property in Carroll County due to flooding.											
<b>Objective 1:</b> To protect the citizens, critical facilities and critical infrastructure of Carroll County from the effects of flooding.											
1.1.1	<i>Continued vigilance in issuing permits on property with special flood hazard areas.</i>	Carroll County and Cities*	Department of Community Development	Continuous	Unknown	Grants and General Funds	Unknown	High	New	Prevention	23
1.1.2	<i>Ensuring that future dwellings comply with NFIP and the county flood ordinance.</i>	Carroll County and Cities*	Department of Community Development	Continuous	Unknown	Grants, General Funds, SPLOST	Unknown	High	New	Prevention	23
1.1.3	<i>Inventory and plot in Geographical Information Systems (GIS) all drain facilities on public property (right of ways).</i>	Carroll County and Cities*	Department of Community Development	1 year	\$1,200,000	Grants and General Funds	\$20,000,000	Low	Both	Property Protection	23
1.1.4	<i>Install water level monitoring devices on all category one (1) dams and on all major tributaries in Carroll County.</i>	Carroll County	Carroll County EMA	2 years	Unknown	Grants and General Funds	Unknown	Medium	Existing	Emergency Services	18
1.1.5	<i>Enhance warning system below Lake Seaton Dam.</i>	Carroll County Water Authority	Carroll County EMA	1 year	Unknown	Grants, General Funds, SPLOST	Unknown	High	Both	Emergency Services	14
1.1.6	<i>Conduct a study to properly size culverts to drainage basins.</i>	Carroll County	Carroll County Public Works	3 years	\$200,000	Grants, General Funds, SPLOST	\$20,000,000	Medium	Both	Property Protection	14

\*Cities refers to the following: Bowdon, Bremen, Carrollton, Mount Zion, Roopville, Temple, Villa Rica and Whitesburg

Number	Mitigation Action	Responsible Organization	Coordinating Organization	Timeline	Approximate Cost	Funding Sources	Estimated Benefit	Priority	Structures Affected	FEMA Category	STAPLEE Score
<b>Flooding</b>											
<b>Mitigation Goal 1:</b> To minimize the losses of life and property in Carroll County due to flooding.											
<b>Objective 2:</b> To reduce the incident rates of localized flooding in Carroll County.											
1.2.1	<i>Assess the flood plain of Milner Lake (off Shadow Lake Drive) to determine ways to mitigate flooding for repetitive loss properties.</i>	Carroll County	Public Works and Transportation	1 year	Unknown	Grants, General Funds, SPLOST	Unknown	High	Existing	Prevention	13
1.2.2	<i>Replace the bridge at McIntosh Reserve.</i>	Carroll County	Public Works and Transportation	1 year	\$500,000	Grants, General Funds, SPLOST	Unknown	High	Both	Structural Projects	19
1.2.3	<i>Install bridge on Bagwell Road.</i>	Carroll County	Public Works and Transportation	3 years	\$500,000	Grants, General Funds, SPLOST	Unknown	High	Both	Structural Projects	19
1.2.4	<i>Replace bridge at Victory Church Road at Victory Dashboard.</i>	Carroll County	Public Works and Transportation	2 years	\$500,000	Grants, General Funds, SPLOST	Unknown	High	Both	Structural Projects	19
1.2.5	<i>Replace the culvert on Holder Road (at creek) with a larger diameter culvert.</i>	Carroll County	Public Works and Transportation	2 years	\$25,000	Grants, General Funds, SPLOST	Unknown	High	Both	Property Protection	19
1.2.6	<i>Add an additional culvert on Old Four Notch Rd.</i>	Carroll County	Public Works and Transportation	1 year	\$25,000	Grants, General Funds, SPLOST	Unknown	High	Both	Property Protection	19
1.2.7	<i>Install a culvert at creek on Campground Road.</i>	Carroll County	Public Works and Transportation	1 year	\$8,000	Grants, General Funds, SPLOST	Unknown	High	Both	Property Protection	19
1.2.8	<i>Replace the culvert on Craven- Roopville Veal Road with a larger diameter culvert.</i>	Carroll County	Public Works and Transportation	2 year	\$5,000	Grants, General Funds, SPLOST	Unknown	High	Both	Property Protection	19

Number	Mitigation Action	Responsible Organization	Coordinating Organization	Timeline	Approximate Cost	Funding Sources	Estimated Benefit	Priority	Structures Affected	FEMA Category	STAPLEE Score
<b>Flooding</b>											
<b>Mitigation Goal 1:</b> To minimize the losses of life and property in Carroll County due to flooding.											
<b>Objective 2:</b> To reduce the incident rates of localized flooding in Carroll County.											
1.2.9	<i>Replace the culvert on Tanyard Road with a larger diameter culvert.</i>	Carroll County	Public Works and Transportation	2 years	\$5,000	Grants, General Funds, SPLOST	Unknown	High	Both	Property Protection	19
1.2.10	<i>Install a culvert at creek on Denny Road.</i>	Carroll County	Public Works and Transportation	2 years	\$5,000	Grants, General Funds, SPLOST	Unknown	High	Both	Property Protection	19
1.2.11	<i>Install a culvert at creek on Wantland Road.</i>	Carroll County	Public Works and Transportation	1 year	\$5,000	Grants, General Funds, SPLOST	Unknown	High	Both	Property Protection	19
1.2.12	<i>Property acquisitions/raze homes at Old Bremen Road (Carrollton) to NFIP compliance/ standards.</i>	Carroll County	Public Works and Transportation	3 years	Unknown	Grants, General Funds, SPLOST	Unknown	High	Both	Property Protection	19
1.2.13	<i>Replace culverts under Bradley Street at John Wesley Plaza with larger diameter culverts.</i>	City of Carrollton	Public Works and Transportation	2 years	\$500,000	General Funds, SPLOST, Private Investment	Unknown	High	Both	Property Protection	19
1.2.14	<i>Property acquisitions/address drainage at River and House Streets to NFIP compliance/ standards.</i>	City of Carrollton	City of Carrollton Housing Authority	2 years	\$2,000,000	Grants, General Funds, SPLOST	Unknown	High	Both	Property Protection	19
1.2.15	<i>Replace the culvert at Old Bremen Road with a larger diameter culvert.</i>	City of Temple	Public Works and Transportation	2 years	\$10,000	Grants, General Funds, SPLOST	Unknown	High	Both	Property Protection	19

Number	Mitigation Action	Responsible Organization	Coordinating Organization	Timeline	Approximate Cost	Funding Sources	Estimated Benefit	Priority	Structures Affected	FEMA Category	STAPLEE Score
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**Flooding**

**Mitigation Goal 1:** To minimize the losses of life and property in Carroll County due to flooding.

**Objective 2:** To reduce the incident rates of localized flooding in Carroll County.

1.2.16	<i>Replace the culvert at Rome Street with a larger diameter culvert.</i>	City of Temple	Public Works and Transportation	1 year	\$10,000	Grants, General Funds, SPLOST	Unknown	High	Both	Property Protection	19
1.2.17	<i>Replace the culvert at Rainey Road with a larger diameter culvert.</i>	City of Temple	Public Works and Transportation	1 year	\$8,000	Grants, General Funds, SPLOST	Unknown	High	Both	Property Protection	19
1.2.18	<i>Address drainage issues at Baskin St at Carrollton St.</i>	City of Temple	Public Works and Transportation	2 year	\$10,000	Grants, General Funds, SPLOST	Unknown	High	Both	Property Protection	19
1.2.19	<i>Replace Old Tanyard Road Steam Culvert</i>	City of Villa Rica	Public Works and Transportation	2 years	\$30,000	Grants, General Funds, SPLOST	Unknown	High	Both	Property Protection	19
1.2.20	<i>Property acquisitions/raze businesses at Bankhead at South Dogwood to NFIP compliance/ standards.</i>	City of Villa Rica	Public Works and Transportation	3 years	\$2,000,000	Grants, General Funds, SPLOST	Unknown	High	Both	Property Protection	19
1.2.21	<i>Address drainage issues at Rockmart and 2nd St.</i>	City of Villa Rica	Public Works and Transportation	1 year	Unknown	Grants, General Funds, SPLOST	Unknown	High	Both	Property Protection	19
1.2.22	<i>Replace the West View Drive culvert with a larger diameter culvert.</i>	City of Villa Rica	Public Works and Transportation	3 years	\$500,000	Grants, General Funds, SPLOST	Unknown	High	Both	Property Protection	19

Number	Mitigation Action	Responsible Organization	Coordinating Organization	Timeline	Approximate Cost	Funding Sources	Estimated Benefit	Priority	Structures Affected	FEMA Category	STAPLEE Score
<b>Flooding</b>											
<b>Mitigation Goal 1:</b> To minimize the losses of life and property in Carroll County due to flooding.											
<b>Objective 2:</b> To reduce the incident rates of localized flooding in Carroll County.											
1.2.23	<i>Replace (or install) culvert on Bagwell Rd with a larger diameter culvert.</i>	Carroll County	Public Works and Transportation	3 years	Unknown	Grants, General Funds, SPLOST	Unknown	High	Both	Property Protection	19
1.2.24	<i>Replace (or install) culvert on Daniel Rd in Bowdon with a larger diameter culvert.</i>	Carroll County	Public Works and Transportation	1 year	Unknown	Grants, General Funds, SPLOST	Unknown	High	Both	Property Protection	19
1.2.25	<i>Install an additional culvert on Highway 101 at the Hickory Point Subdivision.</i>	Carroll County	Public Works and Transportation	1 year	Unknown	Grants, General Funds, SPLOST	Unknown	High	Both	Property Protection	19
1.2.26	<i>Replace the culvert on Horsley Drive with a larger diameter culvert.</i>	Carroll County	Public Works and Transportation	1 year	Unknown	Grants, General Funds, SPLOST	Unknown	High	Both	Property Protection	19
1.2.27	<i>Replace the culvert on J.C. Daniel Road with a larger diameter culvert.</i>	Carroll County	Public Works and Transportation	1 year	Unknown	Grants, General Funds, SPLOST	Unknown	High	Both	Property Protection	19
1.2.28	<i>Replace the culvert on Grimmitt Road with a larger diameter culvert.</i>	Carroll County	Public Works and Transportation	1 year	Unknown	Grants, General Funds, SPLOST	Unknown	High	Both	Property Protection	19
1.2.29	<i>Replace the culvert on Yates Lane with a larger diameter culvert.</i>	Carroll County	Public Works and Transportation	2 years	Unknown	Grants, General Funds, SPLOST	Unknown	High	Both	Property Protection	19
1.2.30	<i>Replace culvert at Amberwood Lane with a larger diameter culvert.</i>	Carroll County	Public Works and Transportation	3 years	Unknown	Grants, General Funds, SPLOST	Unknown	High	Both	Property Protection	19

Number	Mitigation Action	Responsible Organization	Coordinating Organization	Timeline	Approximate Cost	Funding Sources	Estimated Benefit	Priority	Structures Affected	FEMA Category	STAPLEE Score
<b>Flooding</b>											
1.2.31	<i>Replace the culvert at Villa Rosa Rd with a larger diameter culvert.</i>	Carroll County	Public Works and Transportation	3 years	Unknown	Grants, General Funds, SPLOST	Unknown	High	Both	Property Protection	19
1.2.32	<i>Address drainage issues at Spring St. and S. Carroll.</i>	Carroll County	Public Works and Transportation	3 years	Unknown	Grants, General Funds, SPLOST	Unknown	High	Both	Property Protection	19
1.2.33	<i>Address drainage issues at Old Stone and Punkintown.</i>	Carroll County	Public Works and Transportation	3 years	Unknown	Grants, General Funds, SPLOST	Unknown	High	Both	Property Protection	19
1.2.34	<i>Improve drainage between Tanner Street and Old City Hall Avenue</i>	City of Carrollton	Public Works and Transportation	1 year	\$200,000	Grants, General Funds, SPLOST	Unknown	High	Both	Property Protection	19
1.2.35	<i>Improve drainage at West Reese Street.</i>	City of Carrollton	Public Works and Transportation	1 year	\$800,000	Grants, General Funds, SPLOST	Unknown	High	Both	Property Protection	19
1.2.36	<i>Improve drainage at Johnson Ave.</i>	City of Carrollton	Public Works and Transportation	3 years	\$400,000	Grants, General Funds, SPLOST	Unknown	High	Both	Property Protection	19
1.2.37	<i>Improve drainage between Johnson Ave and City Hall Ave.</i>	City of Carrollton	Public Works and Transportation	2 years	\$200,000	Grants, General Funds, SPLOST	Unknown	High	Both	Property Protection	19
1.2.38	<i>Improve drainage between West Reese Street and Hwy 27.</i>	City of Carrollton	Public Works and Transportation	4 years	Unknown	Grants, General Funds, SPLOST	Unknown	High	Both	Property Protection	19

Number	Mitigation Action	Responsible Organization	Coordinating Organization	Timeline	Approximate Cost	Funding Sources	Estimated Benefit	Priority	Structures Affected	FEMA Category	STAPLEE Score
<b>Tornadoes</b>											
<b>Mitigation Goal 2:</b> To minimize the losses of life and property due to tornadoes in Carroll County.											
<b>Objective 1:</b> To reduce the effects of high winds from tornadoes on residential, commercial and governmental properties.											
2.1.1	<i>Perform tornado safety training for the government employees.</i>	Carroll County and Cities*	Carroll County EMA and municipal police+	3 years	Negligible	Grants and General Funds	Unknown	High	Both	Public Education and Awareness	23
2.1.2	<i>Retrofit public schools with special high wind-resistant films for doors and windows.</i>	Carroll County School System and Carrollton City Schools	Carroll County EMA	3 years	Unknown	Grants and General Funds	Unknown	High	Both	Property Protection	21
2.1.3	<i>Research the feasibility of using underground utilities.</i>	Georgia Power, Carroll EMC, Others	Carroll County EMA	3 years	Unknown	State and Federal Grants	Unknown	Medium	Both	Property Protection, Structural Projects	19
2.1.4	<i>Promote the use of special roofing shingles designed to interlock and resist uplift forces for both new construction and retrofits.</i>	Carroll County	Carroll County EMA	3 years	Unknown	State and Federal Grants	Unknown	Medium	Both	Structural Projects	17
2.1.5	<i>Promote the construction of safe rooms in shelter areas and in public buildings.</i>	Carroll County	Carroll County EMA	3 years	\$5,000,000	Grants and General Funds	Unknown	Medium	Both	Structural Projects	16

\*Cities refers to the following: Bowdon, Bremen, Carrollton, Mount Zion, Roopville, Temple, Villa Rica and Whitesburg

+Municipal police refers to Bremen, Bowdon, Carrollton, Mount Zion, Temple and Villa Rica

Number	Mitigation Action	Responsible Organization	Coordinating Organization	Timeline	Approximate Cost	Funding Sources	Estimated Benefit	Priority	Structures Affected	FEMA Category	STAPLEE Score
<b>Severe Thunderstorms</b>											
<b>Mitigation Goal 3:</b> To minimize the losses of life and property due to thunderstorm winds and lightning in Carroll County.											
<b>Objective 1:</b> To protect people and property from the effects of electrical storms in Carroll County.											
3.1.1	<i>Distribute severe weather preparedness literature at appropriate/ identified events.</i>	Carroll County	Carroll County EMA	Continuous	\$2,000	General Fund, State and Federal Grants	Unknown	High	Both	Public Education and Awareness	23
3.1.2	<i>Provide National Oceanic and Atmospheric Administration (NOAA) weather radios to identified citizens from at-risk populations.</i>	Carroll County	Carroll County EMA	Continuous	\$5,000	Grants and General Funds	Unknown	High	Both	Public Education and Awareness	23
3.1.3	<i>Install generator back-up at all critical facilities in Carroll County.</i>	Carroll County and Cities* except Carrollton	Carroll County EMA	5 years	Unknown	Grants and General Funds	Unknown	Medium	Both	Property Protection	19
3.1.4	<i>Install surge protectors on critical facilities' electronic equipment in essential county and city facilities.</i>	Carroll County and Cities*	Carroll County EMA	5 years	Unknown	Grants and General Funds	Unknown	High	Both	Property Protection	18
3.1.5	<i>Equip all county and city recreation parks with lightning detectors.</i>	Carroll County and Cities*	Parks and Recreation Departments+ and Carroll County EMA	3 years	\$36,000	Grants and General Funds	Unknown	High	Both	Property Protection	17

\*Cities refers to the following: Bowdon, Bremen, Carrollton, Mount Zion, Roopville, Temple, Villa Rica and Whitesburg

+Parks and Recreation refers to Bremen, Bowdon, Carrollton, Mount Zion, Temple, Villa Rica and Carroll County



Number	Mitigation Action	Responsible Organization	Coordinating Organization	Timeline	Approximate Cost	Funding Sources	Estimated Benefit	Priority	Structures Affected	FEMA Category	STAPLEE Score
<b>Tropical Cyclones</b>											
<b>Mitigation Goal 4:</b> To minimize the losses of life and property due to tropical cyclones in Carroll County.											
<b>Objective 1:</b> To protect people and property from the effects of electrical storms in Carroll County.											
4.1.1	<i>Develop a readiness program to encourage citizens to prepare a storm kit in the event of an emergency.</i>	Carroll County	Carroll County EMA	Continuous	\$10,000	General Fund, State and Federal Grants	Unknown	High	Both	Public Education and Awareness	21
4.1.2	<i>Retrofit public schools with special high wind-resistant films for doors and windows.</i>	Carroll County School System and Carrollton City Schools	Carroll County EMA	3 years	Unknown	Grants and General Funds	Unknown	High	Both	Property Protection	20
4.1.3	<i>Promote the construction of safe rooms in shelter areas and in public buildings.</i>	Carroll County and Cities*	Carroll County EMA	3 years	\$5,000,000	Grants and General Funds	Unknown	Medium	Both	Property Protection	18
4.1.4	<i>Promote the use of special roofing shingles designed to interlock and resist uplift forces for both new construction and retrofits.</i>	Carroll County	Carroll County EMA	3 years	Unknown	State and Federal Grants	Unknown	Medium	Both	Structural Projects	17
4.1.5	<i>Research the feasibility of using underground utilities.</i>	Georgia Power, Carroll EMC, Others	Carroll County EMA	3 years	Unknown	State and Federal Grants	Unknown	Medium	Both	Property Protection, Structural Projects	15

\*Cities refers to the following: Bowdon, Bremen, Carrollton, Mount Zion, Roopville, Temple, Villa Rica and Whitesburg

Number	Mitigation Action	Responsible Organization	Coordinating Organization	Timeline	Approximate Cost	Funding Sources	Estimated Benefit	Priority	Structures Affected	FEMA Category	STAPLEE Score
<b>Winter Storms</b>											
<b>Mitigation Goal 5:</b> To minimize the losses of lives and property due to winter storms in Carroll County.											
<b>Objective 1:</b> Protect people and property from the effects of winter storms in Carroll County.											
5.1.1	<i>Distribute severe winter weather preparedness literature at appropriate/ identified community events.</i>	Carroll County	Carroll County EMA	Continuous	\$5,000	General Fund, State and Federal Grants	Unknown	High	Both	Public Education and Awareness	23
5.1.2	<i>Research, purchase and installation of a portable Natural Gas Generator for Bowdon Waste Water Plant and Lift Stations, Water Plant and Police Station/EOC.</i>	City of Bowdon	Carroll County EMA	2-3 years	\$100,000-600,000	Grants and General Funds	Unknown	High	Both	Property Protection	22
5.1.3	<i>Research, purchase and installation of a portable Natural Gas Generator for Temple Waste Water Lift Stations (13).</i>	City of Temple	Carroll County EMA	2 years	\$550,000	Grants and General Funds	Unknown	High	Both	Property Protection	22
5.1.4	<i>Purchase the equipment necessary to maintain adequate road, debris and clearing capabilities.</i>	Carroll County	Carroll County EMA	3 years	Unknown	Grants and General Funds	Unknown	High	Both	Emergency Services	21
5.1.5	<i>Research, purchase and installation of a fixed Natural Gas Generator for Carroll County Critical Facility, Emergency Shelter.</i>	Carroll County	Carroll County EMA	2 years	\$97,000	Grants and General Funds	Unknown	Medium	Both	Emergency Services	20
5.1.6	<i>Purchase spreader trucks for Carroll County, the City of Carrollton, the City of Villa Rica, the City of Temple, the City of Bowdon, the City of Bremen, the City of Mt. Zion, the City of Whitesburg and the City of Roopville .</i>	Carroll County and Cities*	Carroll County EMA	2 years	\$130,000	Grants and General Funds	Unknown	High	Both	Emergency Services	18
5.1.7	<i>Purchase a small sand spreader to attach to a 4-wheel drive pickup truck.</i>	City of Bowdon	Carroll County EMA	2 years	\$15,000	Grants and General Funds	Unknown	Medium	Both	Emergency Services	18

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<b>Winter Storms</b>											
<b>Mitigation Goal 5:</b> To minimize the losses of lives and property due to winter storms in Carroll County											
<b>Objective 1:</b> Protect people and property from the effects of winter storms in Carroll County.											
5.1.8	<i>Purchase 4-wheel drive vehicles for emergency responders.</i>	Carroll County and Cities*	Carroll County EMA	1 year	\$600,000	Grants and General Funds	Unknown	High	Both	Emergency Services	17
5.1.9	<i>Purchase a 4-wheel drive pickup truck.</i>	City of Bowdon	Carroll County EMA	1 year	\$35,000	Grants and General Funds	Unknown	Medium	Both	Emergency Services	17
5.1.10	<i>Purchase an All Terrain Vehicle 4-wheeler</i>	City of Temple	Carroll County EMA	1 year	\$6,500	Grants and General Funds	Unknown	Medium	Both	Emergency Services	17
5.1.11	<i>Purchase brush chipper.</i>	City of Bowdon	Carroll County EMA	1 year	\$70,000	Grants and General Funds	Unknown	Medium	Both	Emergency Services	17
5.1.12	<i>Purchase brush chipper.</i>	City of Temple	Carroll County EMA	1 year	\$70,000	Grants and General Funds	Unknown	Medium	Both	Emergency Services	17
5.1.13	<i>Purchase a 4-wheel drive Gator.</i>	City of Temple	Carroll County EMA	1 year	\$8,000	Grants and General Funds	Unknown	Medium	Both	Emergency Services	17
5.1.14	<i>Purchase a pallet jack.</i>	City of Temple	Carroll County EMA	1 year	\$600	Grants and General Funds	Unknown	Medium	Both	Emergency Services	17
5.1.15	<i>Purchase a portable 6" centrifugal pump, towable with hoses.</i>	City of Temple	Carroll County EMA	1 year	\$21,500	Grants and General Funds	Unknown	Medium	Both	Emergency Services	17

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<b>Winter Storms</b>											
<b>Mitigation Goal 5:</b> To minimize the losses of lives and property due to winter storms in Carroll County											
<b>Objective 1:</b> Protect people and property from the effects of winter storms in Carroll County.											
5.1.16	<i>Purchase gas powered pressure washer, wand and hoses, tips operating at &gt;/=2500 PSI.</i>	City of Temple	Carroll County EMA	1 year	\$1,950	Grants and General Funds	Unknown	Medium	Both	Emergency Services	17
5.1.17	<i>Provide warming shelters during extreme cold.</i>	Nonprofit Emergency Shelter	City of Carrollton	Continuous	Unknown	Grants and General Funds	Unknown	Low	Both	Emergency Services	14

\*Cities refers to the following: Bowdon, Bremen, Carrollton, Mount Zion, Roopville, Temple, Villa Rica and Whitesburg

Number	Mitigation Action	Responsible Organization	Coordinating Organization	Timeline	Approximate Cost	Funding Sources	Estimated Benefit	Priority	Structures Affected	FEMA Category	STAPLEE Score
<b>Drought and Wildfires</b>											
<b>Mitigation Goal 6:</b> To minimize the losses of lives and property due to drought in Carroll County.											
<b>Objective 1:</b> To protect the people and property of Carroll County from the devastating effects of a drought.											
6.1.1	<i>Educate citizens and farmers about the potential negative effects that arise from extended drought conditions.</i>	Carroll County EMA	Carroll County EMA	Continuous	Unknown	Grants and General Funds	Unknown	Medium	Both	Public Education and Awareness	21
6.1.2	<i>Offer free admission to Midtown Water Park and Lakeshore Pool during heat waves.</i>	City of Carrollton	City of Carrollton	Continuous	Unknown	Grants and General Funds	Unknown	Medium	Existing	Emergency Services	21
6.1.3	<i>Provide cooling stations during heat waves.</i>	Nonprofit Emergency Shelter	City of Carrollton	Continuous	Unknown	Grants and General Funds	Unknown	Medium	Existing	Emergency Services	17
6.1.4	<i>Develop public awareness to promote water saving campaigns (such as low-flow water saving showerheads and toilets).</i>	Carroll County and Cities Water Authority/ Departments*	Carroll County EMA	Continuous	\$50,000	Grants and General Funds	Unknown	Medium	Both	Public Education and Awareness	16
6.1.5	<i>Expand the Carroll County water system (county wide).</i>	Carroll County Water Authority	Carroll County Water Authority	5 years	Unknown	Grants and General Funds	Unknown	Medium	Both	Structural Projects	15
6.1.6	<i>Add a Raw Water Holding Pond at the Water Treatment Plant.</i>	City of Carrollton	City Water Department	2 years	\$6 Million	Grants and General Funds	Unknown	Medium	Both	Structural Projects	15
6.1.7	<i>Improve Stripling Chapel Rd water main.</i>	City of Carrollton	City Water Department	3 years	\$2 Million	Grants and General Funds	Unknown	Medium	Both	Structural Projects	15
6.1.8	<i>Add water tanks.</i>	City of Carrollton	City Water Department	4 years	\$2 Million	Grants and General Funds	Unknown	Medium	Both	Structural Projects	15

\*City Water Departments include Bowdon, Bremen, Carrollton, Temple, Villa Rica and Whitesburg

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<b>Drought and Wildfires</b>											
<b>Mitigation Goal 6:</b> To minimize the losses of lives and property due to drought in Carroll County.											
<b>Objective 2:</b> To protect the people and property of Carroll County from the devastating effects of wildfires due to drought conditions.											
6.2.1	<i>Develop a public awareness campaign to heighten awareness about brush fires and preventive maintenance to homeowners.</i>	Carroll County and Carrollton Fire Department	Carroll County EMA	Continuous	\$36,000	Grants and General Funds	Unknown	High	Both	Emergency Services	16
6.2.2	<i>Become a Firewise Community and integrate firewise standards into development codes</i>	Carroll County and Carrollton Fire Department	Carroll County EMA	3 years	Unknown	Grants and General Funds	Unknown	High	Both	Public Education and Awareness	15

\*City Water Departments include Bowdon, Bremen, Carrollton, Temple, Villa Rica and Whitesburg

Number	Mitigation Action	Responsible Organization	Coordinating Organization	Timeline	Approximate Cost	Funding Sources	Estimated Benefit	Priority	Structures Affected	FEMA Category	STAPLEE Score
<b>All Hazards</b>											
<b>Mitigation Goal 7:</b> To minimize the losses of life and property due to all natural hazards in Carroll County.											
<b>Objective 1:</b> To protect people and property from the effects of all natural hazards in Carroll County through public awareness campaigns.											
7.1.1	<i>Improve interconnectivity of water systems to surrounding municipalities and counties.</i>	Carroll County and Cities Water Authority / Department+	Carroll County and Cities Water Authority / Department+	3 years	\$1,500,000	Grants and General Funds	Unknown	Medium	Both	Structural Projects	19
7.1.2	<i>Work with local cable and radio providers to enhance and broadcast public education on Emergency Preparedness.</i>	Carroll County EMA	Carroll County EMA	Continuous	\$25,000	Grants and General Funds	Unknown	Medium	Both	Public Education and Awareness	17
7.1.3	<i>Acquire a portable digital reader board to utilize during disasters.</i>	Carroll County EMA	Carroll County EMA	2 years	\$10,000	Grants and General Funds	Unknown	High	Both	Emergency Services	15
<b>Mitigation Goal 7:</b> To minimize the losses of life and property due to all natural hazards in Carroll County.											
<b>Objective 2:</b> To provide the equipment, organization and training necessary to protect the citizens of Carroll County from all-hazards.											
7.2.1	<i>Purchase and install tracking devices on all County Government Vehicles.</i>	Carroll County	Carroll County Public Works	3 years	\$500,000	Grants and General Funds	Unknown	Medium	Both	Emergency Services	18
7.2.2	<i>Provide continual training and equipment for Emergency Management Agency Volunteers and Community Emergency Response Team (CERT).</i>	Carroll County EMA	Carroll County EMA	Continuous	\$50,000	Grants and General Funds	Unknown	Medium	Both	Emergency Services	17
7.2.3	<i>Provide the emergency response personnel capable of responding to the effects of all hazards.</i>	Carroll County and Cities*	Carroll County and Cities*	Continuous	\$600,000	Grants and General Funds	Unknown	Medium	Both	Emergency Services	17

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+City Water Departments include Bowdon, Bremen, Carrollton, Temple, Villa Rica and Whitesburg

Number	Mitigation Action	Responsible Organization	Coordinating Organization	Timeline	Approximate Cost	Funding Sources	Estimated Benefit	Priority	Structures Affected	FEMA Category	STAPLEE Score
<b>All Hazards</b>											
<b>Mitigation Goal 7:</b> To minimize the losses of life and property due to all natural hazards in Carroll County.											
<b>Objective 2:</b> To provide the equipment, organization and training necessary to protect the citizens of Carroll County from all-hazards.											
7.2.4	<i>Maintain stock of supplies and equipment for mass casualty.</i>	Carroll County EMA	Carroll County EMA	5 years	Unknown	Grants and General Funds	Unknown	High	Both	Emergency Services	15
<b>Mitigation Goal 7:</b> To minimize the losses of life and property due to all natural hazards in Carroll County.											
<b>Objective 3:</b> To protect the people and property from the effects of all hazards in Carroll County through effective planning.											
7.3.1	<i>Review current land use plans to modify or incorporate into the plan guidelines to direct development away from hazardous areas.</i>	Carroll County and Cities*	Department of Community Development	Continuous	\$20,000	Grants and General Funds	Unknown	Medium	Both	Prevention	17
7.3.2	<i>Encourage best management practices in development ordinances to build stronger, more resilient communities.</i>	Carroll County and Cities*	Department of Community Development	Continuous	\$25,000	Grants and General Funds	Unknown	Medium	Both	Prevention	17
<b>Mitigation Goal 7:</b> To minimize the losses of life and property due to all natural hazards in Carroll County.											
<b>Objective 4:</b> To implement a means of early warning throughout Carroll County.											
7.4.1	<i>Assess outdoor warning for mass notification as a method of early warning for possible inclement weather or other hazards.</i>	Carroll County EMA	Carroll County EMA	Continuous	\$5,000	Grants and General Funds	Unknown	High	Both	Emergency Services	18

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Number	Mitigation Action	Responsible Organization	Coordinating Organization	Timeline	Approximate Cost	Funding Sources	Estimated Benefit	Priority	Structures Affected	FEMA Category	STAPLEE Score
<b>All Hazards</b>											
<b>Mitigation Goal 7:</b> To minimize the losses of life and property due to all natural hazards in Carroll County.											
<b>Objective 4:</b> To implement a means of early warning throughout Carroll County.											
7.4.2	<i>Identify populations at-risk within Carroll County and implement individual notification of warnings and conditions.</i>	Carroll County EMA	Carroll County EMA	2 years	\$35,000	Grants and General Funds	Unknown	High	Both	Emergency Services	17
7.4.3	<i>Purchase and install 10 weather sirens throughout the county.</i>	Carroll County EMA	Carroll County EMA	3 years	\$300,000	Grants and General Funds	Unknown	High	Both	Structural Projects, Emergency Services	15

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Number	Mitigation Action	Responsible Organization	Coordinating Organization	Timeline	Approximate Cost	Funding Sources	Estimated Benefit	Priority	Structures Affected	FEMA Category	STAPLEE Score
<b>Earthquakes</b>											
<b>Mitigation Goal 8:</b> To minimize the losses of lives and property due to earthquakes in Carroll County.											
<b>Objective 1:</b> Improve Carroll County's earthquake information distribution and warning to citizens.											
8.1.1	<i>Distribute earthquake preparedness literature at community events.</i>	Carroll County EMA	Carroll County EMA	Continuous	Unknown	Grants and General Funds	Unknown	Medium	Both	Public Education and Awareness	20
<b>Mitigation Goal 8:</b> To minimize the losses of lives and property due to earthquakes in Carroll County.											
<b>Objective 2:</b> Improve Carroll County's first responders' capabilities to prepare for and respond to earthquake events.											
8.2.1	<i>Train all first responders on earthquakes search and rescue techniques.</i>	Carroll County and Cities*	Carroll County EMA	Continuous	Unknown	Grants and General Funds	Unknown	Medium	Both	Emergency Services	17
8.2.2	<i>Provide Confined Space Haz Mat Training in Earthquake Scenario.</i>	Carroll County and Cities*	Carroll County and Cities*	Continuous	Unknown	Grants and General Funds	Unknown	Medium	Both	Emergency Services	16

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Number	Mitigation Action	Responsible Organization	Coordinating Organization	Timeline	Approximate Cost	Funding Sources	Estimated Benefit	Priority	Structures Affected	FEMA Category	STAPLEE Score
<b>Pandemics</b>											
<b>Mitigation Goal 9:</b> To minimize the loss of lives due to pandemics/epidemics in Carroll County.											
<b>Objective 1:</b> To protect the people and property of Carroll County from the effects of pandemic/epidemic events.											
9.1.1	<i>Participate in Strategic National Stockpile drills and exercises.</i>	Carroll County and Cities*	Carroll County EMA	Continuous	\$15,000	Grants and General Funds	Unknown	High	Both	Emergency Services	20
9.1.2	<i>Educate the public on pandemics, including isolation, quarantine, triage and medical care.</i>	Carroll County EMA	Carroll County EMA	Continuous	\$10,000	Grants and General Funds	Unknown	High	Both	Public Education and Awareness	18
9.1.3	<i>Train all first responders on pandemic flu response.</i>	Carroll County and Cities*	Carroll County EMA	Continuous	\$25,000	Grants and General Funds	Unknown	High	Both	Emergency Services	18
9.1.4	<i>Assist all critical departments in developing continuity of operations (COOP) plans.</i>	Carroll County EMA	Carroll County EMA	5 years	\$25,000	Grants and General Funds	Unknown	Medium	Both	Emergency Services	17
9.1.5	<i>Acquire infectious diseases personal protective equipment for all first responders.</i>	Carroll County and Cities*	Carroll County EMA	2 years	\$75,000	Grants and General Funds	Unknown	High	Both	Emergency Services	16
9.1.6	<i>Provide chemical and biological safety training to employees</i>	Carroll County and Cities*	Carroll County EMA	Continuous	Unknown	Grants and General Funds	Unknown	Medium	Both	Public Education and Awareness	16

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Number	Mitigation Action	Responsible Organization	Coordinating Organization	Timeline	Approximate Cost	Funding Sources	Estimated Benefit	Priority	Structures Affected	FEMA Category	STAPLEE Score
<b>Hazardous Materials Incidents</b>											
<b>Mitigation Goal 10:</b> To minimize the losses of lives and property due to hazardous materials spills in Carroll County.											
<b>Objective 1:</b> To provide enhanced training for hazardous materials emergency response in Carroll County.											
10.1.1	<i>Implement a county wide training program for emergency response to hazardous material incidents.</i>	Carroll County and Cities*	Carroll County and Cities*	2 years	\$60,000	Grants and General Funds	Unknown	Medium	Both	Emergency Services	17
10.1.2	<i>Provide Confined Space Haz Mat Training.</i>	Carroll County and Cities*	Carroll County and Cities*	Continuous	Unknown	Grants and General Funds	Unknown	Medium	Both	Emergency Services	16

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Number	Mitigation Action	Responsible Organization	Coordinating Organization	Timeline	Approximate Cost	Funding Sources	Estimated Benefit	Priority	Structures Affected	FEMA Category	STAPLEE Score
<b>Dam Failure</b>											
<b>Mitigation Goal 11:</b> To minimize the losses of lives and property due to incidents involving dam failure in Carroll County.											
<b>Objective 1:</b> To enhance the awareness of the existence of dams throughout the county and their potential for flooding downstream.											
11.1.1	<i>Maintain/Update all watershed dams in Carroll County.</i>	Carroll County and Cities*	Carroll County and Cities*	Continuous	\$25,000	Grants and General Funds	Unknown	High	Both	Property Protection	20
11.1.2	<i>Develop land use strategies to promote the safe use of land downstream from a dam.</i>	Carroll County and Cities*	Carroll County and Cities*	3 years	\$25,000	Grants and General Funds	Unknown	Medium	Both	Prevention	16

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Number	Mitigation Action	Responsible Organization	Coordinating Organization	Timeline	Approximate Cost	Funding Sources	Estimated Benefit	Priority	Structures Affected	FEMA Category	STAPLEE Score
<b>All Technological Hazards</b>											
<b>Mitigation Goal 12:</b> To minimize the losses of life and property due to technological hazards in Carroll County.											
<b>Objective 1:</b> To enhance residential fire safety in Carroll County.											
12.1.1	<i>Promote an updated fire prevention and public education program.</i>	Carroll County and City of Carrollton Fire	Carroll County and City of Carrollton Fire	Continuous	\$20,000	Grants and General Funds	Unknown	High	Both	Emergency Services	19
<b>Mitigation Goal 12:</b> To minimize the losses of life and property due to technological hazards in Carroll County.											
<b>Objective 2:</b> To enhance traffic safety in Carroll County.											
12.2.1	<i>Construct an emergency access road to Mount Zion Middle School.</i>	Carroll County Schools, City of Mt. Zion and Carroll County Public Works	Carroll County EMA	1 year	\$300,000	Grants and General Funds	Unknown	High	Existing	Property Protection, Emergency Services	20
12.2.2	<i>Review traffic reports for hazardous intersections to determine if traffic signals are needed.</i>	Carroll County and Cities*	Carroll County and Cities*	3 years	Unknown	Grants and General Funds	Unknown	High	Both	Property Protection, Emergency Services	15
12.2.3	<i>Enhance safety at the railroad crossing at Cheeves Street in Villa Rica.</i>	City of Villa Rica	City of Villa Rica	5 years	Unknown	Grants and General Funds	Unknown	High	Existing	Property Protection, Emergency Services	15
12.2.4	<i>Enhance safety at the railroad crossing at E. Johnson St. and Sage St. in Temple.</i>	City of Temple	City of Temple	5 years	Unknown	Grants and General Funds	Unknown	High	Existing	Property Protection, Emergency Services	15
12.2.5	<i>Ensure that all railroad crossings are properly marked and gated if needed.</i>	Carroll County	Carroll County EMA	5 years	Unknown	Grants and General Funds	Unknown	High	Existing	Property Protection, Emergency Services	19

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Number	Mitigation Action	Responsible Organization	Coordinating Organization	Timeline	Approximate Cost	Funding Sources	Estimated Benefit	Priority	Structures Affected	FEMA Category	STAPLEE Score
<b>All Technological Hazards</b>											
<b>Mitigation Goal 12:</b> To minimize the losses of life and property due to technological hazards in Carroll County.											
<b>Objective 3:</b> To enhance workplace safety at all critical facilities.											
12.3.1	<i>Provide active shooter/safety training to all critical facilities.</i>	Carroll County and Cities*	Carroll County EMA	Continuous	Unknown	Grants and General Funds	Unknown	Medium	Both	Public Education and Awareness	15
12.3.2	<i>Develop safety flip charts for all critical facilities.</i>	Carroll County and Cities*	Carroll County EMA	3 years	\$50,000	Grants and General Funds	Unknown	Medium	Both	Public Education and Awareness	20

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