

**TABLE ES-1.
RECOMMENDED MITIGATION ACTIONS**

Action No.	Title	Description	Mitigation Action Ranking	Action Type	Applicable Goals	Responsible Department	Estimated Cost	Potential Funding Sources	Timeline in Months	Benefit
WILLIAMSON COUNTY										
1	Purchase NOAA All Hazard Radios	Purchase radios and disperse to residents to use for hazard events in the area.	13	SIP	G1	Emergency Management	< \$10,000	General Budget, Donations/ Sponsors	60	Medium
2	Educate homeowners on hazards	Educate homeowners on how to mitigation their homes from these hazards on county website and public forums.	14	EAP	G1, G2	Emergency Management	< \$10,000	General Budget	48	Medium
3	Use the application of calcium soil stabilizers	Specify the use of calcium soil stabilizers as part of the County Engineer protocol for pavement subgrade work on county roads. This will make a durable permanent roadway layer and minimize damage from expansive soil issues.	15	SIP	G1	Public Works	< \$10,000	General Budget	24	Medium
4	Wildfire fuels reduction	Perform a THIRA on each property and develop a priority list of properties requiring mitigation actions. Following WHP assessments perform the fuels reduction and create shaded fuel breaks. Upon completion, prescribed burning should take place where appropriate to lower fuel loads.	11	LPR NSP	G1, G2, G4, G5	Parks	>\$100,000	General Budget, FEMA Hazard Mitigation Funding, Private Donations, Volunteer Support	48	High
5	Stream flow and flood monitoring	A network of streamflow gauges and cameras needs to be installed throughout Williamson County. This data can then either be used in a real-time mapping solution or in a direct feed into the EOCs. This project is scalable to the available funding.	6	SIP	G1, G2, G4, G5	Emergency Management	>\$100,000	General Budget, FEMA Hazard Mitigation Funding, Private Donations	60	High

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6	Critical infrastructure THIRA	As a part of the County COOP planning process audit and map each facility relating to the potential risk to natural hazards. Develop a prioritization list and strategies for mitigating potential risks and hazards.	7	LPR	G1, G2, G3, G4, G5,	Emergency Management	>\$100,000	General Budget, FEMA Hazard Mitigation Funding, Bond Packages	48	High
7	Repetitive flood loss properties	Collaborate with floodplain professionals, building contractors, and homeowners to identify repetitive flood loss properties/structures. Determine the most cost effective measures to implement to mitigate against continued flood losses including residential property buyouts.	4	LPR SIP NSP	G1, G2, G3, G4, G5,	Emergency Management	>\$100,000	General Budget, FEMA Hazard Mitigation Funding, Bond Packages	24	High
8	Comprehensive evacuation planning	Collaborate with public safety professional, traffic engineers, public information professionals and homeowner's associations to develop comprehensive plans and messaging. Develop area-specific plans based upon local THIRA.	8	LPR	G1, G2, G3, G5	Emergency Management	< \$10,000	General Budget, FEMA Hazard Mitigation Funding, Donations/ Sponsors	36	High
9	Develop and establish a comprehensive volunteer program	Establish and train a core group of CERT instructors. Develop and implement a comprehensive CERT program to include training, continuing education, exercise program, and activation procedures.	9	LPR EAP	G1, G2, G3	Emergency Management	< \$10,000	General Budget, Homeland Security Funding, Donations/ Sponsors	24	High

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10	Road and bridge drainage infrastructure projects	Analyze past and potential future flood-related damages to road infrastructure. Develop a priority list based upon past damages, road/structure out of service time due to flooding, and potential or past history of flooding. Create and implement plans to mitigate identified structures.	10	SIP EAP	G1, G4, G5	Road and Bridge	>\$100,000	Road Bonds, FEMA Hazard Mitigation Funding	24	High
11	Community Wildfire Protection Plan	Collaborate with public safety professional, building associations, homeowner's associations, forest service, and public information professionals to develop a comprehensive CWPP to include public education, fuels reduction, residential mitigation, and response recommendations.	2	LPR EAP	G1, G2, G3, G4, G5	Emergency Management	>\$100,000	General Budget, FEMA Hazard Mitigation Funding, Donations/Sponsorship	36	High
12	Install "Burn Ban" or "Fire Danger" signs along major county roadways	Appropriate signage would be placed strategically through Williamson County, primarily in the rural areas, by County Road and Bridge personnel. During burn bans, the signs could be positioned by local fire departments and/or road and bridge personnel.	12	SIP EAP	G1, G2, G4	Emergency Management	\$10,000 to \$100,000	General Budget, FEMA Hazard Mitigation Funding, Donations/Sponsorship	24	High
13	All-hazards mapping	Collaborate with public safety professionals, GIS, hazard-specific subject matter experts, private partners, and CIKR owner/operators to obtain data and create a comprehensive all-hazards mapping solution. Additional GIS tools may be required to facilitate use of the data.	1	LPR	G1, G3, G4	Emergency Management	\$10,000 to \$100,000	General Budget	24	High

Williamson County Hazard Mitigation Plan (UPDATED ACTION ITEM 11-2019)

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14	Community Flood Protection Plan	Collaborate with public safety professional, building associations, homeowner's associations, floodplain professionals and public information professionals to develop a comprehensive CFPP to include public education, infrastructure improvement/protection, residential mitigation, and response recommendations.	3	LPR NSP SIP EAP	G1, G2, G3, G4, G5, G6	Emergency Management	\$10,000 to \$100,000	General Budget, FEMA Hazard Mitigation Funding, Donations/Sponsorship	36	High
15	Flood barrier and signage	Install permanent structures with built automatic barriers to facilitate a more rapid closing of the road/structure. This shall include additional signage warning motorists of the flood potential prior to the barrier and attached to the barrier: "Turn Around Don't Drown."	5	SIP	G1, G2, G4, G5	Road and Bridge	>\$100,000	Road Bonds, FEMA Hazard Mitigation Funding	24	High
16	Purchase and install outdoor warning sirens	Purchase and install outdoor warning sirens throughout the county in strategic locations.	16	SIP	G1, G3	Emergency Management	>\$100,000	General Budget, FEMA Hazard Mitigation Funding	24	Medium