

Ellicott City Flood Recovery Community Advisory Group: Final Report

January 30, 2017

I. Introduction

The Community Advisory Group (CAG) was created by Executive Order on August 25, 2016 in response to devastating flooding in Ellicott City on July 30, 2016. The CAG functioned as a bridge between the County Government and various segments of the community, including local organizations, preservation groups, businesses, residents, property owners, and the faith-based community. The CAG's purpose was to identify and advise the County regarding the immediate needs of the community and to address how those needs might be met in the short-term. The CAG also made recommendations to help make Historic Ellicott City a model resilient community. Working collaboratively with the community has been a strong component of the County's recovery strategy, and the CAG was essential in maintaining a consistent dialogue between county officials and the community so that the County could respond to the evolving needs of the community in an efficient manner.

The group was selected with assistance of former Senator Jim Robey who was appointed August 12, 2016 by County Executive Allan H. Kittleman to be special advisor to Historic Ellicott City flood recovery efforts and to serve as chair of the Community Advisory Group. Joseph Herr was appointed as the Ellicott City Flood Recovery Manager immediately after the flood, and he served as the primary staff lead to the Community Advisory Group. Members of the group are shown in Appendix A.

II. The Importance of Ellicott City

A constant question that every community faces post catastrophe, such as the flood that hit Ellicott City on July 30, 2016, is defining and proving a community's worth and value. The CAG felt that it was extremely important to acknowledge these questions and answer them, for ourselves - to frame the basis of our recommendation and forward movement - and to the public - who was asking this of us. Where lies the value of the community? The architecture? The businesses? The history? The environment? It is in assessing this value, that we recognize Ellicott City's value and worth go far beyond the residents and their homes, the property owners and their buildings, the businesses and their inventory, the river waters, granite and unique topography, and its history. It is found in the indomitable spirit of the community.

To understand this spirit, there must first be an understanding of the geography of this unique community. The terrain of Ellicott City, founded in 1772, includes steep slopes and granite walls. Where there is the absence of rock, there is the beauty and strength of the Tiber River and its tributaries. They pour into the Patapsco River that borders Ellicott City on its eastern most side. The Ellicott brothers used this unique terrain to their benefit. They were able to successfully build and change the water channels to use the speed and energy of the water to power their mills.

The unique topography and location at the bottom of a valley within the Patapsco River's floodplain didn't deter people from wanting to develop the land, and take advantage of the picturesque setting. The western end of the town is built into the granite walls and outcroppings between the buildings; the eastern end of town straddles the Tiber River. It is nothing short of exceptional. By

American standards, this is an old town with most buildings dating back to the late 1800s and early 1900s, with a few being replaced along the way due to fires and flooding.

While their buildings have aged, their history continues to live on. Ellicott City is not a historic community, but instead, a community with significant and diverse history. The current community continues to respect and preserve the history, but recognizes that changes must take place in caring for the environment and ensuring Ellicott City's continued growth and success. The steep terrain, the historic and vintage buildings, urban setting, and river valleys present many challenges, but these are the very qualities that make Ellicott City distinctive and unique from its suburban surroundings.

Through this process the CAG was able to envision the future of Ellicott City in unimaginable ways. It also forced members to face harsh realities of looking at Ellicott City in the lowest common denominator; rough terrain, cut with an architectural nightmare of buildings that line a commuter's drive. Ellicott City is so much greater. A town balancing the age-old struggle of man versus environment, a town full of factual history and architecture that is full of residents, business owners, and visitors seeking a beautiful setting to experience shopping, dining, and daily life, while wanting to contribute to the legacy that is and will continue to be Ellicott City.

III. Recommendations on the Recovery Process

A primary function of the CAG was to serve as an advisory body to improve how county government was conducting Ellicott City recovery efforts in the short- and intermediate term. Throughout the recovery process, the County and the CAG operated collaboratively through the recovery frameworks identified in Appendix B. In addition, during meetings issues that required immediate attention were presented and addressed. From the onset of the group's organization, presentations were given to CAG at their request on a number of subjects, including public safety issues, economic recovery, humanitarian issues, prior survey results, flood-mitigation solutions in other areas, and overall planning efforts. The CAG provided a forum for county officials to receive feedback on current operations, while providing the opportunity for the community to remain intimately involved in the recovery process.

In Appendix C, detailed information is provided on items that were requested by the CAG, as well as suggested actions to improve the recovery process. While not exhaustive, the summary below provides an overview of the issues tackled by the CAG early on in the recovery efforts, as well as issues that are to be addressed in the long term.

In the earlier meetings of CAG, issues identified included discussions on how to best shrink the no-access perimeter established immediately after the flood, improve the credentialing process, provide a single phone number for the community to call with questions, clarify the FEMA funding process for federal disaster declarations, and conduct additional needs assessments of the community.

In the later meetings of CAG, issues identified included discussions on long-term master planning efforts, analysis of existing stormwater data and collection of additional information, and the overall rebranding of Ellicott City to make it more economically viable for the future.

IV. Rebuilding and Recovery Project Ideas

As time passed, the focus of the CAG shifted from immediate needs to the longer term rebuilding recovery efforts. In order to garner community feedback and to create a more resilient Ellicott City, a seven-step process for generating concepts/ideas for recovery began in September 2016.

When soliciting project ideas, county officials noted that every project idea would be considered, but with the understanding that not every suggestion would be feasible due to funding constraints, legal issues, technological limitations, or other reasons. Overall, project ideas would be prioritized based on the largest benefit toward making Ellicott City a model resilient community.

After receiving the project ideas, the County then compiled and categorized these ideas into four of the rECovery pillars, modeled on those outlined by County Executive Kittleman: Economy, Rebuilding, Preservation, and Environment. An “Other” category was later developed to capture ideas outside of these categories, such as healing and stability.

From October 18th to December 10th four ECStrong rECovery meetings based on the rECovery pillars were conducted by the Department of Planning and Zoning (DPZ) to solicit input from the broader public. Project ideas were submitted at these meetings or online until December 31, 2016. In total, approximately 315 project ideas were collected through this process, of which 14 were submitted online, and the rest were submitted in person. All project ideas were categorized and made available on ecstrong.org under the Planning Process tab.

Following the completion of these meetings, the CAG determined that to assess the extensive list of community projects, they would break into five sub-groups based upon the recovery pillars: rebuilding, preservation, environment, economy, and other. The sub-group designations are outlined in Appendix D. County staff were assigned to each group to provide any subject matter expertise needed.

All ideas submitted were evaluated on a scale of 1 to 5 (with 5 as the highest ranking) based on the project’s community impact, cost, timeframe to complete, and feasibility. No ideas were deleted unless they were duplicates and similar ideas were merged into one project. CAG members were encouraged to add any additional projects that may have been missed through the process as they made their recommendations. Listed below is the methodology for the rankings:

1. Categorize into Short-Term vs. Master Plan Projects
2. Determine:
 - Timeline (how quickly can it be completed?)
 - Project Lead (what agency or party would be responsible for it?)
 - Whole Community Benefit (how does it benefit the whole community?)
 - Rank Project (on a scale of 1 to 5 ... very low, low, medium, high, very high priority)

The CAG met within their subgroups independently to complete this process until January 19th when they reconvened as a group to present on how each group conducted their analysis as well as any major findings. The process resulted in 223 unique project idea recommendations. A summary of major project ideas by theme is described below. The full list of project rankings is available in Appendix E.

Rebuilding: The residents, business owners, and property owners of Ellicott City and the surrounding areas submitted over 160 project ideas on how to rebuild Ellicott City. Many ideas offered valuable input on how the County should proceed in order to make Ellicott City a model resilient community. The projects were broken into Short-Term and Master Plan ideas. The short-term being those ideas that can be started now or in the near future and Master Plan projects being included in the master planning process starting in the spring of 2017. The Master Plan projects are most likely to be of longer duration with design, engineering, easements and funding, all of which take time to put in place.

Short Term recommendations included ideas for new and more visible signage coming into Ellicott City and throughout the town so visitors can find their way around more easily; better use of existing parking lots with Trolley cars shuttles between lots; easements to allow easier access to the Hudson, Tiber channel for maintenance; flood proofing of buildings using the Army Corp of Engineers recommendations; and continued education and recommendations offered by Howard County, Ellicott City Partnership, Long Term Recovery Committee (One EC Recovery Project), and Historic Ellicott City Flood group.

Project ideas submitted for the master plan process mainly focused on increasing stormwater mitigation in the higher areas of the watershed and attempting to “slow the flow” before the water reaches historic Ellicott City. The ongoing McCormick/Taylor study should give the County a better idea on what major improvements need to be taken to address this top priority. There were also many ideas on sidewalk width, materials, and conditions, parking location and cost, channel width and depth, wall repair, and ongoing maintenance of the channel. Additional ideas were submitted regarding removal of the utility lines in the downtown area and adding additional crosswalks/public restrooms.

Preservation: The preservation Sub-group reviewed approximately 50 ideas which we divided into the following categories:

- Historically correct improvements to the public spaces of Ellicott City such as pavements, curbs, rebuilding facades and putting power lines underground.
- Education about the historic importance of Ellicott City including interpretive signs, displays, gateways, and programs about the historic sites.
- Increasing the historic appeal of Ellicott City by promoting the significance of various sites and buildings, upgrading the B&O plaza and documenting the history of floods.
- Preserving the historic assets by stopping demolition by neglect, restoring Mt Zion and the Heine Property, and rebuilding stone walls.
- Promoting Preservation by providing funding, low cost loans, and education about the benefits of preservation.
- Taking advantage of Ellicott City’s unique assets by making areas around the rivers accessible, functional and appealing, creating bikeways, making storm water management and stream diversion an amenity.

Many of the ideas regarding building will be implemented as part of the ongoing restoration and improvement of Ellicott City. Other building ideas such as enhancing the access to rivers and public spaces are long term and require funding sources. The ideas regarding education and promotion could be accomplished in a shorter term and may improve commerce and tourism if resources can be found to implement them.

Environment: The Environment sub-group identified 26 short-term projects and 13 long-term projects for the Master Plan; full details are supplied in the attached spreadsheet in Appendix E. Project time-frames range from immediate, to more than ten years, to projects requiring continuous implementation on an annual basis (e.g. stream clean-ups). Rankings by individual members of the sub-group were averaged to determine final priorities. Of the short-term goals (defined as less than five years), six are rated highest priority and include: create a special protection area in the Tiber-Hudson watershed that limits development, protects natural areas, has higher standards of stormwater-management for redevelopment projects and provides incentives for stormwater management retrofits for old development with no existing controls; conduct detailed sub-watershed surveys for project identification; and maintain stream channels regularly with easement access. Specific projects include stream restoration on the Hudson Branch and flood mitigation on County property. The top-rated long-term project is to create a sustainable Historic Ellicott City that integrates a holistic watershed-based planning approach by balancing development with natural systems, utilizing large-scale engineering solutions as well as small projects in which everyone can participate in order to minimize the amount of water reaching Ellicott City. In addition, the Environment sub-group highly recommends that failing channel walls, eroding stream banks and under-sized and failing culverts be addressed as soon as possible due to their significant contribution to in-stream sedimentation that further exacerbates flooding problems and is detrimental to aquatic life.

Economy: The Economy group broke their project ideas into six categories: parking, Riverwalk/West End, Fundraising/Grants, Business Best Practices/Business Preparedness, Marketing and Promotions, and Other. Their topics ranged from direct financial impact on businesses including rebuild costs and sales to the broader financial impact that branding the town would make.

Other: The Other Group reviewed 11 short term projects and 11 master plan projects. The distinction between the two sets of the projects being the short-term projects were achievable in one year or less. The consistent themes of the ideas submitted to the Other Group were: Safety and Policy.

From a Policy perspective, the Other Group recommends that the County prioritize the following short term projects: establishing baseline conditions, toughening watershed standards and promoting renter's insurance. The Other Group reviewed a short-term project to create a community building exercise, but determined that the community has been engaged in numerous meetings in the post-flood time period. This is not to deemphasize the need for public input in the rebuilding and recovery of Ellicott City. The Other Group recommends prioritizing the following projects for the master plan process: Expand permitting regulations to develop a strict set of flood safety/building property requirements and create incentives for bringing previously developed properties up to new standards including mandatory retrofits.

From a Safety perspective, the Other Group recommends prioritizing the following short term projects: modify traffic laws to slow down traffic for safer and make Ellicott City more pedestrian friendly overall by extending and fixing sidewalks. The Other Group recommends prioritizing the following projects for the master planning process: creating an effective flood warning/monitoring system.

V. Conclusion

As the CAG concludes its work, a little more than six months after the July 30th flood, it is clear that community input had a strong role in shaping the overall recovery of Ellicott City from that fateful night. After 18 meetings in a little more than 5 months, the CAG assisted county officials by providing their insight on ways to improve the County's recovery operations, and by also providing and analyzing project ideas received from the community on ways to successfully rebuild Ellicott City. While there is still a lot of information being collected in the form of a Case Study, a Stream Corridor Assessment, a Hydrology and Hydraulic Study, and a Non-structural Floodproofing Study, the CAG used the best information available to provide an analysis of the ideas received from the community. The analysis of the project ideas, in addition to the information being collected through the on-going studies, will be extremely valuable to the County in determining the prioritization of projects to pursue.

Based on knowledge gained through the CAG process, community discussion, and first-hand experience, the CAG makes the following recommendations:

- The County should establish a citizen-based group that will monitor long-term progress of the Master Plan and flood remediation efforts.
- Well-advertised public meetings should be held to present the findings of each major study including the Stream Corridor Assessment, Case Study, and Hydrologic and Hydraulic Study.
- The community wants action to mitigate flood damage in Historic Ellicott City.

One of the strongest messages espoused by the CAG was the need to rebuild Ellicott City stronger and even better than before the flood. Ellicott City is of value not only to the CAG members, but also to the community at large. One of the most distinctive features of this town is the fortitude of its community spirit and the strength found in each other. That strength of community is the primary force that drives the community to rebuild even stronger than before. History has proven that after a crisis, Ellicott City has rebuilt itself to be more profitable and productive than it was before, and with strategic investments we will ensure that this trend continues.

Appendices

Appendix A- Executive Orders

Appendix B- Recovery Frameworks

Appendix C- CAG Recovery Process Recommendations

Appendix D- CAG Sub-Group Designations

Appendix E- CAG Project Ideas Analysis

Appendix A- Executive Orders

County Executive
of
Howard County, Maryland

Executive Order: 2016-14
Dated: August 25, 2016
Subject: Historic Ellicott City Flood
Recovery Community Advisory Group

WHEREAS, the County Executive issued Executive Order 2016-05 on July 30, 2016, proclaiming that a state of emergency exists in Howard County, Maryland as a result of a severe flood event on the same date; and

WHEREAS, the state of emergency is currently extended until September 7, 2016, pursuant to County Council Bill No. 57-2016; and

WHEREAS, the County Executive anticipates that, even after the state of emergency ends, there will be a substantial impact on businesses, residents, and property owners in Ellicott City as a result of the flood and the necessity for long-term recovery efforts; and

WHEREAS, the County Executive wishes to establish the Historic Ellicott City Recovery Community Advisory Group to support the continued recovery efforts of Ellicott City; and

WHEREAS, the County Executive intends that the Community Advisory Group will function as a bridge between the County Government and various segments of the community, including, but not limited to, local organizations, preservation groups, businesses, residents, property owners, and the faith-based community, to identify and advise the County of the needs of the community and how those needs might be met during both short and long-term recovery periods aimed at making Historic Ellicott City a model resilient community; and

WHEREAS, the County Executive intends that the Community Advisory Group will be guided by the principles of Healing, Stability, Economy, Rebuilding, Preservation, and Environment as the framework for the recovery efforts.

NOW, THEREFORE, BE IT ORDERED by the County Executive of Howard County, Maryland that the Historic Ellicott City Recovery Community Advisory Group is established and charged with working with County officials and staff and community residents, businesses, property owners, and other community resources in order to guide the Ellicott City flood recovery efforts so as to make Historic Ellicott City a model resilient community.

AND BE IT FURTHER ORDERED, that the Community Advisory Group will consist of the following members:

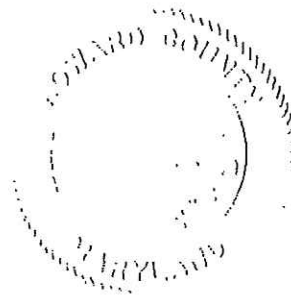
1. Senator James Robey
2. Tammy Beideman
3. Kevin Bloom
4. Simon Cortes
5. Frank Durantaye
6. Andy Hall
7. Mark Hemmis
8. Timothy Kendzierski
9. Reverend Joan King
10. Gary Maule
11. Ron Peters
12. Bruno Reich
13. Don Reuwer
14. Debbie Slack Katz
15. Angela Tersiguel
16. Beth Woodruff

AND BE IT FURTHER ORDERED, that Senator James Robey shall serve as the Chairperson of the Group.

AND BE IT FURTHER ORDERED, that the Group shall cease to exist on February 1, 2017, and the terms of the Group members shall expire on February 1, 2017.

IN WITNESS WHEREOF, I, Allan H. Kittleman, as County Executive of Howard County, Maryland have hereunto set my hand and caused the seal of Howard County to be affixed this 05 day of August, 2016.


Allan H. Kittleman
County Executive



**County Executive
Of
Howard County, Maryland**

**Executive Order: 2016-15
Date: September 14, 2016
Subject: Amending Executive Order
No. 2016-14 in order to add
two members to the
Historic Ellicott City Flood
Recovery Community
Advisory Group**

WHEREAS, on August 25, 2016, the County Executive issued Executive Order 2016-14 that established the Historic Ellicott City Flood Recovery Community Advisory Group; and

WHEREAS, the County Executive wishes to add two members to the Group.

NOW, THEREFORE, BE IT ORDERED that Ken McNaughton and Lori Lilly are added as members of the Historic Ellicott City Flood Recovery Community Advisory Group.

AND BE IT FURTHER ORDERED, that all other provisions of Executive Order 2016-14 shall remain in effect.

IN WITNESS, WHEREOF, I, Allan H. Kittleman, as County Executive of Howard County, Maryland have hereunto set my hand and caused the seal of Howard County to be affixed this 14 day of September, 2016.


Allan H. Kittleman

**County Executive
Of
Howard County, Maryland**

Executive Order: 2016-19
Date: December 15, 2016
Subject: Second Amendment to
Executive Order No. 2016-
14 allowing the Advisory
Group to break into
subcommittees.

WHEREAS, on August 25, 2016, the County Executive issued Executive Order 2016-14 that established the Historic Ellicott City Flood Recovery Community Advisory Group; and

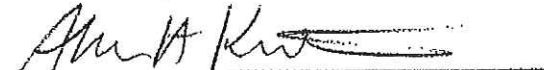
WHEREAS, on September 14, 2016, the County Executive issued Executive Order 2016-15 in order to add two members to the Group; and

WHEREAS, the County Executive wishes to allow the Group to break into subcommittees to accomplish its tasks.

NOW, THEREFORE, BE IT ORDERED that the Historic Ellicott City Flood Recovery Community Advisory Group may break into subcommittees to accomplish its tasks.

AND BE IT FURTHER ORDERED, that all other provisions of Executive Order 2016-14 and Executive Order 2016-15 shall remain in effect.

IN WITNESS, WHEREOF, I, Allan H. Kittleman, as County Executive of Howard County, Maryland have hereunto set my hand and caused the seal of Howard County to be affixed this 15th day of December, 2016.

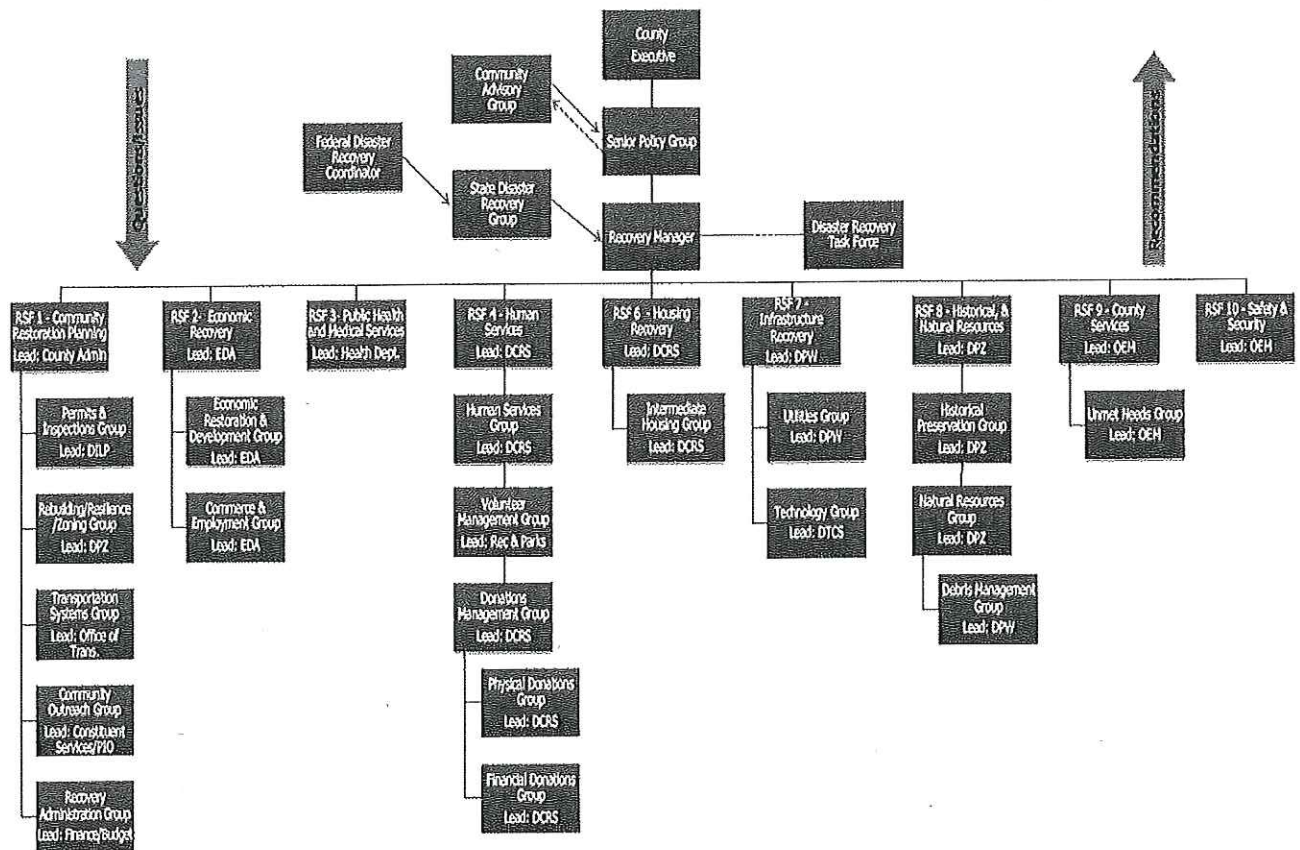

Allan H. Kittleman



Appendix B- Recovery Framework

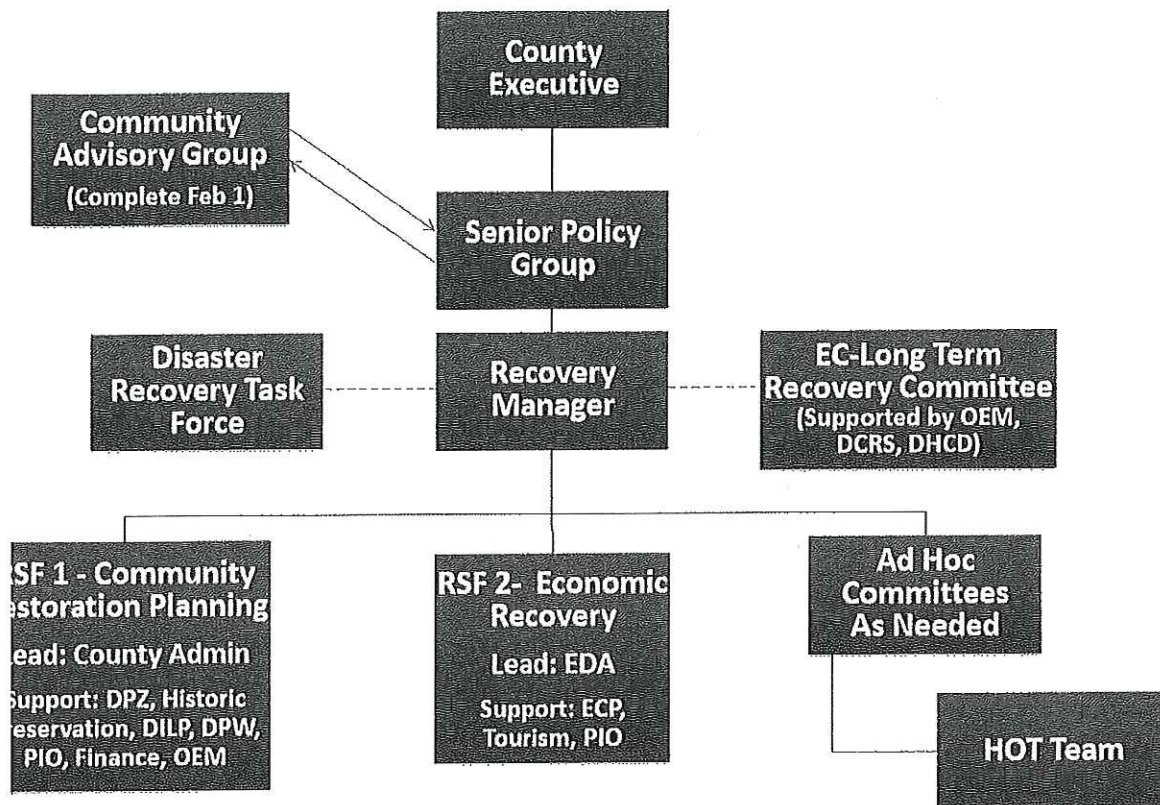
I. Short-Term Recovery Framework

Short Term/Intermediate Recovery Organization



II. Long-Term Recovery Framework

Long-Term Recovery Organization



Appendix C- CAG Recovery Process Recommendations

Completed

Comment	Status	Responsible Party
Explore adding a statement before principles on why Historic Ellicott City is significant.	Completed	Taskforce
Continue to shrink perimeter as much as possible.	Completed	RSF #10-Safety and Security
Consider moving trailers out of Parking Lot D.	Completed	RSF #10-Safety and Security
Provide a Chinese translator for West End resident.	Completed	RSF #4-Human Services
Reassess process for credentialing (it's taking too long). Discussion of credentialing process (for contractors and sub-contractors) that it could take up 90 minutes daily because contractors and sub-contractors change daily, i.e. wristbands, credentialing and vehicles.	Completed	RSF #10-Safety and Security
Conduct door-to-door needs assessment of residents.	Completed/EC Long-Term Recovery Committee Initiated	RSF #4-Human Services
Provide one point person from County government for folks.	Completed	Recovery Manager, Joe Herr
Develop a strategy to better meet the needs of community members outside of the DAC (onsite resource packets, etc.) Suggestion of an informational packet that could be handed out to people to assist	Completed (Informational Packets Provided)	RSF #2-Economic Recovery

them with identifying support services. Provide informational numbers for the DAC, EDA and Constituent Services.		RSF #4-Human Services (with Support from PIO)
Provide one number to call.	Completed (2900 line)	RSF #1-(Outreach Group/PIO)
Concerns over some of the conflicts that have involved approved contractors missions vs DPW project work.	Completed	Managed through DPW, EDA and Constituent Services
Credentialing process needs to be evaluated and enhanced.	Completed	RSF #10 - Safety and Security
Consider recoup for electric and water given away.	Completed (ECP would consider this in their grants)	RSF #2-Economic Recovery
Provide DPW inspection reports online.	Completed	Taskforce
Address safety and security needs of community members.	Completed	RSF #10-Safety and Security
Hold another Job Fair.	Completed (spoke with EDA and Workforce Development about coordinating on a case by case basis)	RSF #2-Economic Recovery
- What's the timeline to re-open the no-go area? - Once the no-go area is reopened is the county planning on doing any more work?	Completed (the area has re-opened)	RSF #10-Safety and Security

- Is the new credentialing system working? - Are folks observing tourist/trespasser in the no-go zone?		
Conduct an additional speed assessment now that the road has reopened in West End.	Completed (Report will be provided at the next meeting)	RSF #10-Safety and Security
Have any specific projects been identified that require immediate attention before the winter sets in?	Completed (Projects announced last week)	RSF #7-Public Works
USDA - What is the status of the community block grant? (NCRS) - What will that money be used for?	Completed (Part of projects announced)	RSF # 7-Infrastructure Recovery
How will property owners be notified that the county plans to improve or fix their area/easement/stream bank/safety rail?	Completed	RSF #7-Public Works
What can we do with volunteers or by working with property owners?	Completed (EC LTRC Initiated)	EC-Long Term Recovery Committee
- Where is each one located? (Aerial map) - When was each area last inspected? - What did the report find? - When is the next scheduled inspection? - Can we re-inspect each one (even if it's not yet time) and get a report? - How much water is each area meant to hold? - Did any of these areas fail during the recent event?	Completed (Discussed at 9/29 Meeting)	RSF #7-Public Works

ECP/United Way What is the deadline for the grant?	Completed (September 25, 2016)	EC Fund Recovery Committee (https://ecpartnership.org/)
Burgess Mill: - How much water is held in the area that failed? - Was it enough to add significant damage? - Did the underwater retaining areas work as expected or did they fail?	Completed Briefing on 10/20	CAG/Taskforce
Communicate the reality of a FEMA declaration better.	Completed (FAQs on Website)	RSF #1-(Outreach Group/PIO)
Provide clear descriptions of agencies/organizations involved with recovery on the website so individuals know how to access resources.	Completed (Website)	RSF #1-(Outreach Group/PIO)
Tax credit question.	Completed Response from Commerce “Whenever the IRS provides disaster relief, that relief is applicable for Maryland taxpayers. If the IRS does not provide relief, and a Maryland taxpayer is experiencing a hardship due to a natural disaster or some other emergency situation, our agency will offer relief to that taxpayer by extending filing deadlines and waiving late payment interest and penalties. Our office granted this type of relief to Howard	Department of Commerce

	County citizens impacted by the flooding on July 30, 2016. If there is a taxpayer requiring special assistance, please forward me the constituent's contact information. Upon receiving the information, I will have someone contact the taxpayer immediately. Sharonne R. Bonardi, Esq. Deputy Comptroller <u>410-260-7806"</u>	
Provide updated DPZ maps.	Completed and provided	DPZ
Alert and Warning Summary.	Completed and provided	Office of Emergency Management
Provide West End speed assessment.	Completed and provided	RSF #10-Safety and Security
Modify layout of the project ideas list.	Completed (text has been wrapped)	Taskforce
Make modifications to video.	Completed	RSF #1 (Outreach/PIO)
Continue discussion and Q & A with Mark DeLuca	Completed	DPW
- Will there be a grand re-opening celebration on Main St? - When is that scheduled?	Completed – Saturday, November 26th	RSF #2-Economic Recovery

Documented

Comment	Status	Responsible Party
Consider offering Flood Insurance to everyone through funding mechanisms.	Documented	Taskforce
Capture project idea: install cameras with a focus on the street and water.	Documented	Taskforce
Capture project idea: warning system for flooding/depth monitoring.	Documented	Taskforce
Capture project idea: divert Catrock Run into river.	Documented	Taskforce
Capture project idea: harness the water for productivity (hydro dam).	Documented	Taskforce
Capture project idea: install bigger pipelines (like in Frederick).	Documented	Taskforce
Will a high water mark be added to the bridge at the railroad tracks or markers installed other places in the town?	Documented	RSF #8-Historical and Natural Resources
Insurance • Will county help pay for the increase to flood insurance for property owners? • Will the county pay for flood insurance on behalf of property owners, until longer term fixes are in place? • Should we explore trying to propose a group rate for flood insurance (requires Congressional approval)? • Should we consider a Lloyd's of London policy on the town as a whole?	Documented	RSF # 7-Infrastructure Recovery
Add preserving Lot F to the project ideas list.	Documented	CAG/Task Force

In Progress

Comment	Status	Responsible Party
Removal of county owned dumpsters.	In Progress	RSF #10-Safety and Security
- What's the timeline on the dumpsters? - What can be done to enforce current traffic laws and slow traffic while folks are re-building and pedestrian foot traffic is increased? - Is traffic impeding the rebuilding efforts between Ellicott Mills Rd and Old Columbia Pike? - Are construction vehicles able to access buildings being repaired?	In Progress - One dumpster remains for continued use of Portalli's. - Traffic Safety Reports provided. - Lt. Chris Neubauer spoke on traffic studies at 12/15's meeting.	RSF #10-Safety and Security
Long Term Watershed Planning - What is the most cost-effective and impactful way to control the water in the watershed? - How do we keep the charm of Ellicott City while controlling water and preserving property and lives? - How much does a big pipe under Frederick Rd/Main St cost? Is it possible? - What's the environmental impact of any of our solutions? - How does development effect the watershed? - Should we propose 100% water retention legislation for all new developments? - Should we require retrofitting of old developments to improve water retention? - Should we put water retention ponds in at Route 29 (as described in the McCormick Taylor study)	In Progress Part of RSF #1-Community Restoration Planning Efforts	Part of RSF #1-Community Restoration Planning Efforts

Guard rails (until permanent barriers are in place) on parking lots to prevent vehicles from entering the streams	In Progress	RSF #10-Safety and Security
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Topic Areas

Comment	Status	Responsible Party
Two studies have been conducted and a third is underway - Ellicott Flood Study and Concept Mitigation Report (McCormick Taylor, 4/3/2014) - Tiber-Hudson & Plumtree Branch Stream Corridor Assessment 2012 (S&S Planning and Design, LLC, 12/12/2012) Questions: Can we get a professional explanation/walk-thru of these studies?	Completed: 12/1	CAG/Taskforce
Howard County officials have been speaking with officials from other flood prone areas - What have other areas done to mitigate flood damage? - Which localities are most similar to our watershed? - What have HC officials learned from these discussions?	Completed: Part of the Community Meetings (11/10, 12/1,12/10)	RSF# 1-Community Restoration Planning
New flood survey results - What should be already be doing to correct our watershed before the survey comes out? - Are there recommendations from the prior studies that can and should be implemented now? - What actually happened during the most recent event? - What were the critical points of failure? - What can be done to reduce the loss of life and property in the future?	Various questions have been addressed in previous meetings. Can schedule per CAG's direction.	CAG/Taskforce

Liability - Did the county have a duty to notify property owners after the 2014 study was released? - Are we concerned about a class action suit?	Have discussed with Office of Law. Phil can answer any further questions.	Office of Law
Funding FEMA - We have the designation, what's next? - What is the total cost to date for infrastructure repairs? - How much will the county have to pay? - How much will the Federal government pay?	MEMA/FEMA Presented 11/3	CAG/Taskforce/Federal Coordinating Officer (FCO)
Tax Credits Who can apply for tax credits and where can people get help?	Can schedule per CAG's direction.	CAG/Taskforce/RSF #8-Historical Preservation
Legislative Jon W's proposal to pause permitting in the watershed for 9 months - Was this approved by the county council? - How many permits have been issued between August 1 and now? - What were those permits for? - Did it stop any permits that were expected? If yes, what were they for?	DPZ found 1 Commercial permit for an addition in the watershed area for the August through September 28th time period. The permit is for a 1-story addition to the Lighthouse Senior Living Center located at 3100 North Ridge Rd. The area of construction is 10,440 sq. ft.	Department of Planning and Zoning
Branding of Historic Ellicott City - What's the core message we want folks to think of when they hear "Historic Ellicott City" post flood? - How do we re-brand the town as a safe place to work, shop, and live? - What is the overall look and feel we want for the town? Value of Ellicott City Questions:	Group comprised of Economic Development, Tourism and ECP working on a Plan. Presented 10/27	RSF #2-Economic Recovery

• How much tax revenue does EC bring to Howard County? (Sales, property, other) • Are any buildings in EC on the historic registry? • Is Historic Ellicott City more than a tax base? • Assuming it is, how do we communicate that value to the rest of the county, who have their own local problems?		
Tourism • Where do the majority of tourist come from? • How do we draw on that and expand it? • Would closing Main St during big events allow for more foot traffic? (Halloween, Midnight Madness, etc) • Could the shops and restaurants handle the increased foot traffic if we closed the road?	Group comprised of Economic Development, Tourism and ECP working on a Plan. Presented 10/27	RSF #2-Economic Recovery
Emergency Preparedness Program	Presented 12/8	Office of Emergency Management
Traffic Studies	Presented 12/15	Lt. Chris Neubauer
Rebuilding Efforts	Presented 12/15	Don Reuwer

Appendix D- CAG Sub-Groups

I. Sub-Groups

i. Rebuilding:

- Ron Peters
- Debbie Slack Katz
- Jim Robey
- Don Reuwer
- Mark Hemmis
- Mark DeLuca (DPW)

ii. Preservation:

- Jeff Bronow (DPZ)
- Samantha Holmes (DPZ Preservation)
- Gary Maule
- Tim Kendzierski
- Bruno Reich

iii. Environment:

- Joe Herr (OEM)
- Jim Caldwell (OCS)
- Ken McNaughton
- Lori Lilly
- Frank Durantaye

iv. Economy:

- Catherine Bedolla (EDA)
- Tammy Beideman
- Angie Tersiguel
- Kevin Bloom
- Simon Cortes

v. Other:

- Maria Bernadzikowski (OEM)
- Andy Hall
- Rev. Joan King
- Beth Woodruff

Appendix E- CAG Project Ideas Analysis

Rebuilding

	A	B	C	D	E	F	G	H	I
	Project Name	Description	Impact	Area Affected	Estimated Cost	S/MP	Timeframe to Complete	Agency Lead	Priority Ranking
1	ECP	ECP sustained funding connected to the County will allow for more time and attention to represent businesses and property owner issues as well as coordinating formation of old EC	Better communication with businesses and property owners representing retail mix. Promotion, local county related concerns, and free up energy for representing Main Street interest	Historic Ellicott City	\$\$	S	1 to 30	County Executive	5
2	"Welcome to the West End of Main St." sign	Put a sign up at Rogers to show where old EC begins	Designate EC as a place	Historic Ellicott City	\$	S	<1	Tourism / ECP	4.5
3	Tiber River Access	Flood proof access ladders into the Tiber at Tiber Alley and Lot D	This project will provide access to the Tiber for bi annual cleanings and inspections, to remove debris and to ensure the safety and survival of the historic buildings - Tiber alley is done.	Historic Ellicott City	\$	S	<1	DPW	4.5
4	In-stream Building Identification	Identify all buildings in the downtown historic district on the rear with their address for easy location identification and reference. This will help direct contractors, County and emergency personnel as a reference for repairs and maintenance.	This project will increase efficiency for maintenance and repair work in the downstream channels where it is very difficult to assess and then communicate where problems are located to the appropriate people.	Historic Ellicott City	\$	S	<1	DPW	4.5
5	Court house drive SWM Areas #slowtheflow	Contain runoff from watershed north of the courthouse drive using existing road as dam and adding overflow boxes and adjusting size of current pipe to allow water to be retained in Large volume storms for several hours. Two locations on courthouse drive.	Lessen the volume of water entering the Hudson behind the log cabin, contact Ron Peters or Lori Lilly	Historic Ellicott City	\$\$	S	1	DPW / Highways	4.5
6	Stream Channel Access	Provide an access point to the stream channel in the downtown historic district below Old Columbia Pike, at the alley just east of Sweet Cascades or at the bridge by Tiber Park. The access would be a floodproof ladder attached to the side of a building or otherwise fixed in a secure manner.	This project will allow for needed maintenance and monitoring activity in a section of the stream that is extremely difficult to access. Access would be provided to building owners, County personnel and contractors. Access will allow for debris maintenance, post flood inspections of infrastructure and for repairs.	Historic Ellicott City	\$	S	1	DPW	4.5
7	Trolley	Trolley or circulator	Better utilization of parking lots up the hill by using a regularly scheduled, consistent trolley/circulator that could travel to all parking lots to encourage more visitors	Historic Ellicott City		S	1	ECP	4.25

Rebuilding

	A	B	C	D	E	F	G	H	I
9	High water marks through the town	Put high water markers throughout the town	Help visitors understand the impact of the flood throughout the town	Historic Ellicott City	\$	S	<1	Tourism / ECP	4
10	Enforce lower speed limits	Police enforcement of lowered speed limits	Safety	Historic Ellicott City & West End, Rogers Ave, Frederick Rd coming to West End	\$	S	1 to 30	Police	4
11	Repairing river walls with stone	Walls in Ellicott city should be repaired with real stone and done by a professional who understands stone walls from 200 years ago	The impact is it will maintain the historic character that Ellicott city needs to keep or else it will just be a town built in a floodplain	Historic Ellicott City	\$\$\$\$	S	5	DPW	3.5
12	Light up town during holidays	Light up Main Street and side streets	People will travel to see lights	Historic Ellicott City	\$	S	1 to 30	ECP	3.5
13	Proper Tenant Mix	Ensuring that properly owners fill their space (s) with 2 tenant mix that is appealing to a wide-audience and raises the value of the area	An area that is a popular live, work, play destination for the creative class and more exciting Howard County that retains residents, attracts new visitors traveling from 50+ miles	Historic Ellicott City		S	1 to 30	ECP / private landowners	3.5
14	From thoroughfare to destination	High speeds on Main St. through West End are a significant problem (particularly on West End). Install larger speed limit signs and a speed camera. Use fines to fund other EC needs.	Currently, West End residents live on a highway. High volume thru-traffic to/from Catonsville is a detractor to EC's charm. Reducing commuter traffic could make EC feel more accessible for visitors and more safe for residents. Focus is to reduce 18-wheelers and control speeds. Even county buses are doing 45 mph +	Historic Ellicott City and West End		S	<1	Police	3.5
15	Improve courthouse parking lots for stormwater management	Redesign the upper impervious parking lots to better manage stormwater runoff.	Limit stormwater runoff into the historic district and pollutants into the Bay by better managing it on publically owned properties within the watershed	Historic Ellicott City		S/MP	2	DPW	5
16	Access Easements to the Tiber and the Hudson and other critical tributaries	Create an easement that allows government access to key waterways on private property.	Allow maintenance and access to ensure clear channels, structurally sound retaining walls, and inspection of any potential issues	Historic Ellicott City		S/MP	1	DPW / Council	5
17	Channel Maintenance	Conduct regular debris management maintenance in the EC stream channels.	This project is a preventative measure for reducing the potential for clogged culverts and other problems that can exacerbate flooding.	Historic Ellicott City	\$	S/MP	1 to 30	DPW / READY	5
18	Water pipe @ West End	Restructure the pipe at West End of Frederick Rd.. Widen the pipe to allow more water flow. Small pipe caused more water to flow over and out of branch onto roadway.	Correct drainage to avoid future flood or overflow of branch	West End	\$\$	S/MP	2	DPW	5

Rebuilding

	A	B	C	D	E	F	G	H	I
19	Floodproofing building openings (doors + windows)	Replace doors and windows / make them floodproof to prevent / reduce structural damages.	Reduce losses and make structures more resilient	Historic Ellicott City	\$	S/MP	5	DPW / OEM/ private landowners	5
20	Conduct routine monitoring	Monitor the Tiber and Hudson channels along with the tributaries that empty into the Tiber and Hudson on a scheduled basis of four times per year. Monitor for any blockages, side wall failures or potential side wall failures that could cause future problems. In addition to the scheduled inspections the stream channels should be inspected after every significant storm event for any accumulated debris. The flow station on the Hudson located at the Ellicott City Colored School should have an audible and visual alarm added. In addition to this alarm station, a second alarm station should be added where the Tiber and Hudson merge behind the Visitors Center. A third station behind the old bakery on Main Street would provide valuable comparative data on the less developed watershed of the Autumn Hill Branch and New Cut Road. The use of drone technology to help with the monitoring may be an option in the future.	Real time monitoring of waters levels and flow rates in the Tiber and Hudson along with adjoining streams would be beneficial for analysis and archiving.	Historic Ellicott City	\$	S/MP	1 to 30	DPW	5
21	Renovate Little Plum Tree Branch (North Chatham Road)/Culvert changes.	Develop retention and upgrade stormwater management of Little Plum Tree Branch. Increase vegetation and remove concrete from channels.	Currently, excessive runoff of pollutants occurs during storms which flows directly into watershed without any retention. Adding native plants and removing concrete channels will better neighborhood aesthetics and home values	Chatham/Valley Made	\$\$\$	S/MP	10	DPW	4.5

Rebuilding

	A	B	C	D	E	F	G	H	I
	Implement Education Campaign	Implement education measures such as: Maintain the Historic Ellicott City Flood Workgroup web page for all information related to Historic Ellicott City Flooding. This would include flood mitigation preparedness techniques, technical resources, grant programs and videos about past floods and flood preparedness. Initiate community-level planning for emergency preparedness. This would include information about sand bags, monitoring and disseminating information from stream gages, dedicated communications and recovery efforts. Promote awareness of stormwater quantity and quality. Stencil storm drains in Historic Ellicott City with "Drains to Patapsco River" and "Nothing down the drain but rain." Encourage the use of rain gardens, rain barrels and bio-retention areas. Investigate involving the Boy Scouts and local High Schools. Partner with relevant volunteer groups such as the Patapsco Heritage Greenway, Ellicott City Partnership, etc.	In a world where climate changes are somewhat unpredictable and building developments can change the flow of stormwater in Historic Ellicott City, Howard County should reach out to developers, commercial interests, business owners and residents with the latest information about techniques to control and mitigate floodwater.	Historic Ellicott City	\$\$	MP	1 to 10	OCS / ECP	5
22									
23	Reduce or eliminate on street parking; add plants, benches, crosswalks	Have parking on only one side of Main St or neither side. Create delivery only areas for required needs. Widen sidewalks and add planted areas to help mitigate runoff. Add more benches and crosswalks	Better water runoff management, visitor experience	Historic Ellicott City	\$\$	MP	1	ECP / Historic commission	5
	SWM Reboot 2017	Rebooting SWM within already developed communities with no current stormwater facilities. Utilize public lands like parks, open space, and under large parking lots to create regional facilities and underground facilities to provide additional detention.	This project would help to reduce floods from larger style storms that create the type of destruction seen in Ellicott City.	Historic Ellicott City	\$\$\$\$	MP	10 to 20	DPW	5
24									
25	Retention Pond/Stormwater Mitigation	Retention ponds for Rt. 29 & west of Rodgers Ave. across from Chaple View/north of Patapsco River on Rodgers Rd. below Pappions driveway		Historic Ellicott City	\$\$\$	MP	2	DPW	5

[illegible]

Rebuilding

A	B	C	D	E	F	G	H	I
	Build a flood containment dam on New Cut Branch coming in to the Tiber between St. Paul St. and Old Columbia Pike, behind Oella Lane. Dam would not retain water except in flood situation; when no flood, no retention - normal flow of stream. -top of dam an be walking path to connect communities of Taylor Village and Stonestreet	1. Decrease future floods and the economic + personal losses of floods. 2. Increase connection of Historic Ellicott City to other surrounding communities with more visitors + positive economic impact on EC. Private owners undertaking rebuild/reconstruction will likely want to take protective measures for their own property. Instilling unity of effort for a comprehensive flood management plan is important. Owner A builds a levee around their property to divert flood water but it creates a bigger problem for	Historic Ellicott City		MP	10	DPW	4
41	Flood Control Dam - New Cut Branch			\$\$\$-\$\$\$\$				
42	Communication strategy to private owners (Main St. specific) Focus is "unity of effort" and message includes what NOT to do during reconstruction Be a good neighbor; don't make the problem worse	rebuild/reconstruction will likely want to take protective measures for their own property. Instilling unity of effort for a comprehensive flood management plan is important. Owner A builds a levee around their property to divert flood water but it creates a bigger problem for	Historic Ellicott City	\$	MP	1 to 30	EC	4
43	Community Outreach				MP	1 to 30	EC	4
44					MP	1 to 30	EC	4
45	Parking/flood/mixed use structures Accessability	For existing parking lots - D (behind Post Office); behind firehouse; old Roger Carter area: Build new structures: 1) stormwater in basement/subbase. 2) Parking decks. 3) Retail/office/apartments. Can create 100-150 new spaces beyond those needed for new structure while providing SWM for the facility + for areas without SWM - Public Private Partnership Make sidewalks, commercial space, and parking areas ADA compliant	Historic Ellicott City and all of Howard County	\$-\$\$\$\$	MP	10	DPW / DPZ / ECP	4
46	Consider purchase of Baltimore Co Mill along Patapsco	Improve parking / flood management to set cars off of Main St	Historic Ellicott City	\$\$\$	MP	5	Tourism / ECP	4
47		Reduce cars on Main St	Historic Ellicott City	\$\$\$	MP	2	County Executive	4
48	Create new funding / implementation models	This project will help the local economy, create resilient infrastructure and preserve the historic character by instituting funding mechanisms for project implementation.	Historic Ellicott City	\$	MP	5	DPW / Council / County Executive / FW	3.75
49	Utility Relocation and underground	Locate utilities underground in County owned conduit and County would lease it to private entities	Historic Ellicott City	\$\$\$\$	MP	5	DPW / Utilities	3.5

Rebuilding

	A	B	C	D	E	F	G	H	I
50	Addition of more public restrooms	Increase the number of public restrooms in town by adding multiple person restrooms at the Welcome Center and add restrooms to the Fort/Heine Property at Lot F as well as at the Patasco Female Institute	An essential and vital visitor amenity that will enhance visitor experience in town	Historic Ellicott City	\$\$\$	MP	1	Tourism / ECP	3.5
51	Quarry	Seek business partnership to dig a quarry near Main St., sell the granite and develop stormwater capacity	Potential zero cost increase of storm water retention	Historic Ellicott City	\$	MP	10	DPW/DP Z/ECP	3.5
52	No parking on main street	No parking except for drop-offs and deliveries should be throughout main street. No tractor trailers should be allowed through main street. The street should become a people friendly place where it is safe to walk your dog or stroll your baby. Restaurants should have outdoor seating and benches throughout town with flower pots and flood prevention ideas should be included in a master plan	Trucks and cars will complain and the town will be a more inviting and more beautiful town. And there will be less cars to hit storefronts and to collect out of the river if a flood like this ever happens again.	Historic Ellicott City		MP	1	ECP / Highways	3.5
53	Sustainability in EC	Develop simple guidelines and workshops to allow and promote sustainable alterations for properties in historic districts. This could include green roof retrofits, solar panels, rain gardens	Sustainable practices are often avoided in historic districts because of lack of knowledge and fear of historic regulations. Promotion of these ideas through guidelines and education will create a better environment and much of the financial responsibility falls to the participating homeowners. Often tax credits are available, residents just need to know how to get them	Historic Ellicott City	\$	MP	5	OCS / ECP	3.25
54	Raised crosswalks	Install raised crosswalks out of cobblestone since streets used to be cobblestone to allow pedestrians to cross the street and slow traffic	Would allow easier access to shops and slow the traffic. These were approved 4 years ago at public meetings but the county built a staircase instead	Historic Ellicott City	\$\$\$	MP	1	DPW / Highways	3

Rebuilding

	A	B	C	D	E	F	G	H	I
		EC should be done with bogus stone "reconstruction" and "restoration" in the historic downtown. The monumental genuine granite walls and buildings are what make EC unique and inimitable. Reclamation from streams and other sources should be a high priority for near and long term restoration and rebuilding. A local quarry should be established as an ongoing resource for preservation. A professional who knows how to restore and rebuild these walls and structures should be hired instead of these modern solutions. These walls lasted 200+ years without much care of maintenance; there should be efforts to restore them.	Historic Character: There will be no historic character if we continue to replace walls with modern solutions. Resilient Infrastructure: The granite walls lasted more than 200 years without much care. They are more resilient than the County gives them created for. Repair them properly, and they could last another 200 years. Economy: People explore and spend money in EC because of its historic district charm and character. EC will not thrive and it will not continue to have people visit if we don't maintain what makes it special.	Historic Ellicott City	\$\$\$\$	MP	5	DPW	3
55	Real Granite in EC								
	Developing River Area	Develop areas that incorporate areas of downtown EC beside Main St. (example is river walk), elevation to support off street parking, provide safe evacuation areas.	More people come to the area knowing there is a safe and friendly environment	Historic Ellicott City	\$\$\$\$	MP	5	ECP / DPW / DRP	3
56									
57	West End Bend	The combined benefit of retention and the threat of toxic runoff make West End Service a great opportunity for flood resilience. The	Skate bowl income. West End Service accessible to increased operations. Environmental protection. Community. Will provide greater likelihood of a longer lasting structure	Historic Ellicott City		MP	3	Private	3
58	Use Metal Shielding/Framework	Encourage metal studs/framing for rebuild		Historic Ellicott City	\$	MP	1	LTRC	2.5
	Pedestal homes West End	Pedestal homes have a small cross section at ground level to impede water flow and allow cars to be parked on side street instead of on site	Such homes would be more flood resistant and also allow ground to quickly absorb water	Historic Ellicott City	\$\$	MP	5	Private	2.25
59									
60	Patapsco River Gate	Sliding flood gate at main street bridge.	Prevent river flooding up Main Street	Historic Ellicott City	\$\$\$\$	MP	2	DPW	2.25
61	Ecological Restoration	Restore the ecology of all development in Main St Watershed	Quote from EO Wilson	Historic Ellicott City	\$\$\$\$	MP	30	DPW / others	2.25
62	Pervious pavers with retention	Repace Main St. with pavers 2' - 5' of stone to provide both retention and conveyance. Use	Adds historical character to Main St. while serving as water control solution.	Historic Ellicott City	\$\$\$	MP	2	DPW	2.5
63	Crosswalk and additional sidewalk on Baltimore County side of Patapsco River Bridge	It is currently very dangerous for visitors to cross from one side of Frederick Road to the other on the Baltimore County side	Better, safer visitor access	Historic Ellicott City	\$	MP	1	DPW	2.13

Rebuilding

	A	B	C	D	E	F	G	H	I
	Upper Story Connections	Provide upper story connections, such as new walkways connecting buildings. These walkways could be publicly owned over Main Street. Focus on the most vulnerable areas first (lower Main Street).	This project would increase life safety by offering a new emergency escape route. It could also benefit economics by increasing access to space and potentially making upper stories suitable for a wider range of uses (such as retail).	Historic Ellicott City	\$\$\$	MP	3	Private / DILP	2
64	Purchase repetitive loss properties	Purchase repetitive loss properties and either close them to public access, significantly modify them to reduce flood risk, or convert them to parks/memorials	Will not be great for lower EC, but could save Howard County constituents millions of dollars in taxpayer money when these properties flood again.	Historic Ellicott City	\$\$\$	MP	5	County Executive	2
65	Property Acquisition	In area of 8482 Main St. on North Side of Street is a segment of abandoned buildings (white row homes). Recommend evaluating acquisition / demolition of property and use land for water retention	Reduce flow of water to EC and improve character of neighborhood	Historic Ellicott City	\$\$\$\$	MP	5	County Executive	2
66	GPS-based traffic light pre-emption system	GPS-based traffic light pre-emption system (such as Opticom)	Impact goal is to increase the safety (reduce the risks) and increase the efficiency (reduce the time required) for future emergency responses through this congested area by controlling intersections with stoplights.	Historic Ellicott City	\$\$\$	MP	2	Highways	2
67	Close Main St to Traffic	Close Main St to all but pedestrians during the day and evening	Shopping would be more pleasant and safer. Restaurants and bars could have outside seating. There would be more street activity making EC more of a destination	Historic Ellicott City		MP	1	EC / Highways	1.5
68	Elevated Development	Promote development of area between Old Columbia Pike and Maryland Ave; Maintain current Historic building facade- but build	This will help with flooding issues	Historic Ellicott City	\$\$\$\$	MP	10	DPZ	1
69		Remove buildings on South side of Main St. Widen sidewalks on North side. Move Frederick Rd. S 6-10'. Create parkway/water conveyance system of Tiber River to Patapsco River - draw people to parkland	It will allow water to drain, redevelopment on N side buildings to upscale boutique/restaurant row	Historic Ellicott City	\$\$\$\$	MP	5 years	DPW / County Executive	1
70	Use what is available	Raise the level of all the buildings and fill all the businesses	Less property destruction	Historic Ellicott City	\$\$\$\$	MP		DPW/DP Z/EC	1
71	Lift all buildings	Buy all of the west end - burn it down; create a retention pond/lake to prevent businesses	Loss of residential neighborhood, but add a public park	Historic Ellicott City	\$\$\$\$	MP		DPW/DP Z/EC	0.5
72	Burn It down								

Preservation

Project Name	Description	Impact	Area Affected	Estimated Cost	Category	S/MP	Timeframe to Complete	Agency Lead	Priority Ranking
Restore temporary fixes to historic infrastructure	Replace emergency fixes such as asphalt surfaces, concrete retaining walls, railings, etc with historically appropriate materials.	Restoring the heart and soul of the historic district so that it is not just a town like Catonsville, but a historic town that reflects its importance and place in US history.	Historic Ellicott City		Authentic Materials	S	Not completing Timeframe - too many variables	DPZ	5
Fels Lane Granite Curbing	There are very few original areas remaining of Ellicott City's iconic granite used as curbing and gutters; Fels Lane is possibly the only one. Before it becomes "extinct" during road reconstruction, this distinctive feature should be restored, preserved, and celebrated.	While the granite curbing is seemingly a minor detail, it is one of the many features that cumulatively help define the unique character/identity of the town, offering a special "sense of place." That "sense of place" is invaluable in retaining the historic character and helps local economy in terms of both visitor and resident dollars spent.	Historic Ellicott City	\$	Authentic Materials	S		DPW/DPZ	5
Facades - Main St.	Removal of modern improvements to bring facades to past years. Needed financing/unable to afford this project with cost of repairs to flood damaged building.	Continue to keep EC historic.	Historic Ellicott City	\$	Authentic Materials	S/L		DPZ	1
Preserve the Heritage from "good ideas"	Resist quick fixes or well-intentioned ideas (like bricks imprinted with donor names to raise money).	Ensure that which makes Ellicott City unique is protected	Historic Ellicott City		Authentic Materials	L		DPZ	5
Main Street Awnings	HPC and staff to follow the existing Design Guidelines (p. 48) with regard to awnings on both new and historic structures. Use non-reflective material like canvas for awnings; not plastic, vinyl or other material stretched tight that stand out as shiny & modern, competing against the architecture which defines the character of the historic district.	The exclusive use of non-shiny, canvas-like materials, esp with flexible (not stretched) valances that move with the breeze, will reinforce the impression of being in an historic district, regardless of whether a particular building is historic or has replaced a 19th or early 20th century structure. This small feature can enhance the appearance of the historic district's Main Street, drawing attention to its architecture, as compared/opposed to Maple Lawn or White Marsh's Main Street.	Historic Ellicott City	\$	Authentic Materials	ongoing		DPZ	3
Main Street Lamp Posts	Installing new lamp posts on Main St	Adding historical appearance	Historic Ellicott City		Authentic Materials	L		SGE	1
Shift in narrative	Changing the narrative from disaster	Shifting from words like recovery, disaster, devastation, etc and begin telling the story of a unique destination. The more our narrative focuses on devastation the longer our economic recovery will take.	Historic Ellicott City		Celebrate History	S		All	5
Telling the story	Ensure that the story of Ellicott City is told through interpretive signs, apps, displays and programs accessible to the casual and the targeted visitor	Increase heritage tourism dollars	Historic Ellicott City		Celebrate History	L		Historic Pres, Tourism, ECP	4

Preservation

Creating visual gateways	Ensure "gateways" to Ellicott City are visually impactful	Visual "gateways" like the Ellicott City paint on the CSX Bridge provide visual cues that the visitor has entered into a unique experience. Restore the bridge. Proceed with the mural at Old Columbia Pike and find ways to create that visual impact at Rogers Avenue, and the west end.	Historic Ellicott City	Celebrate History	L		DPZ/DPW	3
Interpretive Signs	Showing history of area		Historic Ellicott City	Celebrate History	L	\$	CE	3
Plaque Program	Provide plaques for exemplary renovation projects on historic buildings. A bronze plaque could be awarded to buildings, possibly with the estimated built date.		Historic Ellicott City	Celebrate History	L		HEC	2
Extension of open hours for historic sites in town	Having historic sites open for longer hours would increase visitation and spending. Either increase County funding for these programs or seek corporate sponsorship.		Historic Ellicott City	Celebrate History	MP	\$	DPW staffing	2
Regular Hours and programming for Historic Assets	Ensure that all public historic structures are open during regular hours and offer regular programming	Increase Heritage Tourism and economic impact by emphasizing the unique historic structures including the old courthouse, log cabin, train station, visitor center, etc.	Historic Ellicott City	Celebrate History	L		Recs and Parks, CE, ECP, Tourism	1
Landmark Resource Center	Make information about local history and architectural landmarks widely available through websites and publications. Create a resource center to provide info about the history of landmarks and districts. This could be a publicly accessible database where property owners could view history therefore becoming more engaged in the importance of preservation		Historic Ellicott City	Celebrate History	L		Tourism	1
Retaining Historic	Brick sidewalks, replace and expand areas of brick sidewalks, retain Cobble Stone around B and O Plaza and Tiber Alley	Helps with education which in turn helps with preservation of historic character	Historic Ellicott City	Celebrate History	MP	\$	All	4
The Documentation/History of Flooding in Ellicott City	To document the history of floods in the Ellicott City area, particularly on Main Street, and how the topography, landscape, and built environment have been impacted from these flooding events and how they have changed over time (i.e. buildings that have been moved, etc.). Interviewing locals associated with environmental and preservation advocacy over the years in relation to how Main Street has been affected by flooding. It would also be interesting to note how this recurrent flooding has changed the course of local building code requirements and historic design review. Perhaps this is a project for down the road preservation-wise (after the fact), but more of a documentation/learning tool for future generations to come (not just referencing the County master plan, for example, but a tool outside of government).	The process of what it takes to rebuild a small town (Ellicott City) after a major flood must be documented in order to properly learn from the past. New development will not cease in the area, so how the town plans to sustain its infrastructure and historic character are closely being watched, and, as such, the regulations play an important factor in the future resiliency of Ellicott City. From a preservation standpoint, this is critical and something that we can leave future generations with so they understand why certain decisions were made and from an environmental standpoint what needs to be done to maintain the natural resources. (Thinking more broadly and long-term to have something to reference a hundred years from now).	Historic Ellicott City	Signs, Wayfinding, Outreach	S	\$	ACC, CE, PIO, DPZ	3

Preservation

Main Street Historical Education Project	1. Identify buildings and features of Main Street that have historical significance and would be of interest to the general public. Some are obvious, some are more obscure. (E.g., the Mill, Mill Race, etc.) 2. Concerted, multidimensional effort to highlight selected buildings/features (better signage, brochures, outlining historical walls, etc.)	Expanding public interest and knowledge of historical buildings and features will make EC a more attractive destination (people will come to EC, at least in part for its historical aspects.) This will also build public interest in, and garner support for historic preservation.	Historic Ellicott City	Signs, Wayfinding, Outreach	L	Historic Pres	4
B&O Plaza Renewal	Creating a forward thinking welcome Plaza for the National Landmark B&O in anticipation of the 200th anniversary of the railroad. A place for small receptions, historic interpretive events, etc. (including all exterior visual cues - caboose and buildings.) Plan for historic clocks as well.	This station is the iconic symbol of Main Street - this is the place to invest immediate dollars both to benefit the site and to draw visitors to the most impacted part of the street.	Historic Ellicott City	Signs, Wayfinding, Outreach	L	CE	4
B&O + overall facelift of Main St	Beautify EC - add lampposts/ cool signage and add stage and benches with lighting to B&O	Curb appeal to bring people to eat and shop	Historic Ellicott City and West End	Signs, Wayfinding, Outreach	MP	DRP	3
Historic District Signs	Welcome signs		Historic Ellicott City		L		3
Wayfinding Signage	Signage for vehicles and pedestrians to guide them to parking and businesses. Comprehensive planning behind the signage.	Less time spent getting places, more time at businesses	Historic Ellicott City	Signs, Wayfinding, Outreach	L		3
Project Stone	To maintain the stonework (or repair the stonework) that has been washed away or stolen as a result of the flooding event (i.e. Steps, cobblestones, no brick - replace with stone.)	This effort will allow Ellicott City Main Street to sustain its uniqueness and charm. Historic character and use of natural resources (EC blue granite) would be used.	Historic Ellicott City	Enforcement of Historical Preservation Maintenance	S	DPW/DPZ	5
Stop demo by neglect	There are a dozen buildings in Ellicott City who are not being maintained even before the flood. People should be required to maintain their historic building. There are some on main street and some on court ave and some on mulligans way and st-pauls.	The people not maintaining their properties because they want to demolish and rebuild new should not be allowed. Only people who want to maintain historic structures should be allowed to own them or else have a fine or penalty.	Historic Ellicott City	Enforcement of Historical Preservation Maintenance - Policy	L	CE, DPZ	5
Repair / Restore Mt. Zion UMC	Historic Preservation of African American Church	Preservation of local African American Heritage. Enhance the visitor's experience in town, boost economy	Historic Ellicott City	Enforcement of Historical Preservation Maintenance - Policy	L	owners	5
Detailed property survey and database	Similar to the Annapolis database - detailed survey info on each property - elevation, location and type of utilities - ability to access during emergency. Maybe tie to earlier flood studies to let individual property owners get data on their property.	Resilient infrastructure and historic pres; immediate information for first responders	Historic Ellicott City	Database	L	EDA	3
Economic benefits of preservation - study specifically for EC and then public education regarding proven benefits	Specific case study of economic benefits of EC historic AKA Donovan Rupkema authored study of 5 historic districts in MD Association of Historic District Commissions. These PROVEN benefits relate to local property values, tax revenue, tourism, \$	Public education of economic benefits of historic preservation will help justify historic district regs and purposes.	Historic Ellicott City and county wide - all Howard County tax payers	Database	L	EDA Study	3

Preservation

Revolving Loans for Historic Preservation and Restoration	Zero to low cost up front funding for approved projects to allow someone who cannot afford money up front for a project. Current programs give after the fact tax credits but do not help do the project if one does not have up front money.	Economy - smaller effect - this would be more applicable for residential properties. Historic character - approved projects - reviewing projects in advance to protect character of natural historical properties. Sustainability - again, approval process could include education and guidance as to how projects could include sustainable materials.	Historic Ellicott City and larger areas around EC - a watershed approach as opposed to a Historic District approach	\$\$\$	Funding	L	EDA	1
Historic Restoration Revolving Fund	This project would provide access to funding for historic property owners. Allowing them to maintain, improve, and repair an enhance properties. Provides funds that may not be otherwise available.	1. Gives property owners more access to funds. 2. Maintains and restores historic character. 3. Adds to the local economy. 4. Helps keep district vibrant.	Historic Ellicott City and county wide	\$\$-\$\$\$	Funding	L	DPZ/EDA	1
Flood Gate Patasco River, BGE Power lines underground	Construct a moveable Flood Gate to close the CSX railroad bridge underpass. Utilize BGE Powerline acreage to capture water and reduce impact on rivers	Resilient infrastructure	Historic Ellicott City		Underground power lines	L	CE	1
Community Flood Planning	Help the community and businesses better plan for flood events. Provide training to employees on what to do during floods. Educate on escape points and where to direct people. Have maps available to businesses that show exit points from town. Conduct practice drills at the entire community level.	This project will to educate people that live and work in EC to be better prepared for flood events and potentially save lives.	Historic Ellicott City	\$		S	CE	5
Storm Water Infrastructure	Identify existing SWM Facilities in EC watershed and assess if it is possible to increase capacity by increasing storage by raising dam height, increase internal grades, steepen slopes, and raise riser	Increase resilient infrastructure and sustainability, model the impacts of those changes to understand net benefits to the watershed	Historic Ellicott City	\$\$\$\$		S	DPW	5
Condemn/demo abandoned property	Condemn/demo abandoned property	Prevent/reduce animal infestation, mold growth, and health hazards	Historic Ellicott City	\$\$		S	DUP, DPZ, CE	5
River access	The river is the source of this town and has been on the edge ignored for decades. Embrace the river, open access to it from a pedestrian bridge or deck and allow people to experience more of the landscape of this area and not the buildings and asphalt.	A positive impact will occur when more people can connect with and access the water in ways that is not possible now.	Historic Ellicott City	\$\$\$\$		L	CE, DPZ	5
Restoration and utilization of Fort/Heine Property	Restore and utilize the Fort/Heine House and Property located at Lot F and Fals Lane. Include public restrooms. Historic interpretive signs and programs, park area with picnic tables and benches	Visitor amenity areas, historic site with programs for public	Historic Ellicott City	\$\$\$		L	DRP	3
Streetscape	Pedestrian friendly, no parking on main street. Limited to deliveries or handicapped, widen sidewalks, planters, bike lanes, parking garage replaces lost spaces on Main	Encourage walking, outdoor dining and use of attractive design elements like planters. Fewer cars to wash away during next flood	Historic Ellicott City	\$\$\$\$		L	DPZ	3
Re-structure the HPC approval process	Cut down on waiting and wasting money on "paper" presentations when on site visits. Would produce a better result. Put decisions in the hands of a professional with HPC in on approval process	Better projects, quicker approvals, more money to spend on the project				L	DPZ/OCL	2
Tram, Shuttle, Elevator	Way to connect residents and tourists to the Upper part of EC. Need parking garage	Help people get around town	Historic Ellicott City	\$\$\$\$		L	CE, DPZ	1

Preservation

State ownership	Investigate if state ownership of historic buildings would offer better prospects of preservation	This might help preserve historic character if continued use of such buildings is possible	Historic Ellicott City	\$	L	CE	1
Lift the city/low the road	Raise all the buildings a half story and lower the road to original height.	Decrease risk of destruction from next flood	Historic Ellicott City and West End	\$\$\$\$	L	Mother Nature	1
Patapsco Valley Bike Way	Create a bikeway from Sykesville to Elkridge that leverages EC as a mid-point and the unique value of Patapsco Valley for trail riding	Capitalize on EC unique location and geography while improving community health	Historic Ellicott City	\$\$\$\$	L-MP	DRP, DPZ, DHG	5
Land between Tiber and Hudson	Stream diversion and preservation. Wetland creation	Mitigate floods, protect EC, protect life and property	Historic Ellicott City	\$\$\$	L-MP	DPW	5
Courthouse Re-use	Adaptive reuse of Courthouse complex to mixed residential and commercial with tie in to Main Street	This would increase residential population density within walking distance and increase the commercial district of the historic district	Historic Ellicott City	\$\$\$\$	L-MP	DPZ	4.5
River Value & Art Spaces	River culverts, walls and immediate adjacent space should be the public space - County Gov Responsibility. Repair, maintenance and construction - easement or eminent domain. Locations for art on a rotating annual basis similar to the plaza at tourism. Possible locations could be parking lot D and B and O Railroad, community garden, log cabin	Reduce the risk to help economy. Maybe a special taxing district for the Tiber/Hudson revenue stream dedicated to this project. Visual Impact, support local artist.	Historic Ellicott City	\$\$\$\$	L-MP	DPZ, ECP	4
Preserve Parking Lot F	Parking Lot F includes two log cabins, two streams, grass, trees, a historic mansion, a colorful alley and an open space for parades and concerts	Preserving this open space will save the prettiest area in historic Ellicott City	Historic Ellicott City	\$	L-MP	DPZ	1

Environment

Project Name	Description	Impact	Area Affected	Estimated Cost	S/MP	Timeframe to Complete	Agency Lead	Priority Ranking
Tiber Hudson Special Protection Area	Create a special protection area for the Tiber Hudson watershed that limits development, actively protects land and remaining existing natural areas, has even higher stormwater management standards and promotes green infrastructure and flood mitigation practices.	This project will help to preserve existing natural resources, which are needed to help mitigate flood damage. This project will provide for a more resilient watershed and demonstrate to the community and public at large that Ellicott City is truly worth saving.	Historic Ellicott City	\$\$\$\$	\$	1	DPZ / Council	5
Easements for the streambed	Obtain easements to allow county to work on private land	Allow access for rebuilding w/ public	Historic Ellicott City	\$	\$	1	DPW	5
Hudson Branch Stream Restoration Project Implementation	Implementation of Hudson Branch stream restoration project that is currently being designed. Project location: Papillon Dr to EC Historic Colored School. Contact: Lori Lilly	Implementation of Hudson Branch stream restoration project that is currently being designed. Project location: Papillon Dr to EC Historic Colored School. Contact: Lori Lilly	Historic Ellicott City	\$\$	\$	1	DPW	5
Slow the Flow	Survey properties either side of the three sub-watersheds of the Tiber-Hudson for flood mitigation potential; build database of location, relevant type of mitigation, potential capacity and estimated costs; submit a twenty-year plan, with budget, for instigating.	This will demonstrate a commitment to a long term vision of how to reduce the impact of storm water on Historic Ellicott City, with dollar estimates to be met through successive administrations.	Historic Ellicott City	\$	\$	1	DPW	5
Build retention ponds on county campus	should've been time at the time we were rebuilt			\$\$	\$	2	DPW	5
Stream clean-up	Stream channel clean-up to remove large downed trees and trash that block existing culverts.	Prevent blockages and improve flow	Historic Ellicott City	\$\$\$	\$	1 to 30	DPW/READY	5
Retrofit	Provide SM where there isn't. Retrofit ponds to 100-year.	Offer green neighborhood points to developers and they will do the retrofits for free.		\$-\$\$\$\$	\$	1 to 30	DPW	4.5
Capture Chapel View community area runoff as well as other surrounding communities upstream	Water storage and treatment	Reduce volume of upland runoff flowing toward the historic district	Historic Ellicott City	\$\$\$\$	\$	3	DPW	4.5

Environment

Flood management	Identify 3-5 key strategic sub-watersheds within the total drainage area, ideally public spaces. Install 100-year or larger SWM regional facilities at each sub-watershed. Stagger peaks to control time, quantity and velocity. Retrofit of existing facilities will not be as efficient.	Reduce flooding, damages, insurance costs, and protect existing structures.	Historic Ellicott City and upper reach of the watershed	\$\$\$\$	\$	1	DPW	4.5
Development Goals	Preserve natural areas. Return developed areas to a natural state where possible. If development is necessary, ensure zero impact.	Improve natural aspect	Historic Ellicott City	\$	\$	1 to 30	DPZ / Council	4
Flood Plain Parks	Parkland at critical points that flood during storm events in EC watershed	Storm water retaining above EC	Historic Ellicott City	\$\$\$\$	\$	5	DPW / DRP	4
Reuse former Roger Carter	Create an environmental area linked to flood mitigation on the site of the former Roger Carter Center		Historic Ellicott City	\$\$\$	\$	2	DPW / DRP	4
Involve Community Associations in Watershed Planning	The theme of fixing the problem is to start at the outer edges of the watershed and work your way in/down. As such, need to involve all stakeholders not only for ideas and knowledge but also to be a medium for advocacy and communication. If you fix problems at the outer edge, you mitigate the risks and the costs at the core!		Broader watershed	\$	\$	4	DCS / READY	4
Consistent approach to sewer leaks	Creating a consistent response to, and communication of, sewer leaks into the Patapsco and its tributaries	Ensuring a clean river, protecting Patapsco Valley State Park- one of Maryland's most frequented parks, protecting the health and well-being of river users- including thousands of non-english speaking visitors who visit the river each weekend in season. Ensuring the continued enviro-tourism, economic success of the river valley.	Historic Ellicott City	\$	\$	2 to 3	DPW / Utilities	3.7
8411 Main St. Damage to Hill	Rebuild hill to prevent future soil erosion	Prevent blocking flow of traffic if the hill is washing into the street	Historic Ellicott City	\$	\$	2	DPW	3.5
Riparian Buffer Planting	Convert impervious surfaces adjacent to and within stream channels. Improve existing vegetated riparian areas.	It will help manage stormwater for quality and quantity	Historic Ellicott City and Tiber/Hudson watershed	\$	\$	10	DRP, OCS, DPW	3.3

Environment

Wetlands/watershed education for property owners	Educate residents about personal watershed/wetland care to include what can be done on their own properties such as rain gardens, steppes, and increase in permeable surfaces etc.	Increase wetlands/watershed conservation, help to deal with runoff	Historic Ellicott City and any residential property	\$	\$	1 to 30	OCS / READY	3
Tree Planting where appropriate	Tree planting teams can get to work		Historic Ellicott City	\$	\$	1 to 10	DRP / READY	3
Removal of invasive plant species along all waterways in town and replace with natives; For example Japanese knotweed	Removal of invasive plant species along all waterways in town and replace with natives; Educate and assist property owners with management of invasive Japanese knotweed along the EC stream channels.	Restore natural environment and improve sustainability of rivers; Japanese knotweed is poor at holding streambanks together. Bank erosion is a significant contributor to in-stream sedimentation and reduced channel capacity. Private landowners should be educated to identify the plant and need assistance to remove it.	Historic Ellicott City	\$	\$	1 to 30	DPW / OCS / ECP / READY	3
Potapscoc River Debris Removal	Remove existing and future debris from the Potapscoc River from Route 40 to Thomas Viaduct	Reduce the impact of future flooding; provide a more aesthetic view along the river	Historic Ellicott City	\$	\$	1 to 30	DNR?	2.8
Water Education Day (every July 30th)	Create a water education day to educate the public	Build	Historic Ellicott City	\$	\$	1 to 30	FW / ECP	2.5
Promote Rain Barrels	Economical and visible way to store rainwater. Label with EC Strong (Tree to those who use them)	A visual reminder that we all need to do our part to manage storm water	Historic Ellicott City	\$	\$	1 to 5	ECP	2.5
Tree sidewalk boxes	Putting planting boxes that contain trees or water absorbing plants in the sidewalks	Capturing some stormwater to protect infrastructure. Aesthetically pleasing	Historic Ellicott City	\$	\$	1 to 3	ECP	2.5
Watershed informational displays	Tourist/resident information about the watershed and stormwater management. This would also include information about the history of the river and how that contributes to current flooding problems. Informational displays could be placed in all the neighborhoods in the watershed. Also - info about the storm itself would be compelling	This will help sustain public awareness of stormwater management. It would pull the community & watershed residents together over a common issue & motivate them towards a solution. This could be done with/through Howard County Watershed Stewards Academy	Historic Ellicott City	\$-\$	\$	1	ECP / DRP	2.5
Add park/open space areas at North and South ends of Fels Lane	Creating more visitor friendly open space areas. Native plants and historic interpretive signage	Better visitor experience	Historic Ellicott City	\$	\$	3	DRP / ECP / Housing	2
Green Fest	Move green fest to EC to increase foot traffic and educate public about environmental impact of flood on town	More \$ in town, better educated public	Historic Ellicott City	\$	\$	1	OCS	1.5

Environment

Sustainable Ellicott City	Figuring out how to balance development with natural systems. A whole watershed approach is needed: big mechanical solutions as well as small things everyone can participate in.	While preserving the local historic character and economy, it could serve as a model for balancing development and environmental concerns.	Historic Ellicott City and whole watershed	\$\$\$\$	L	30-Jan	DPZ	5
Floodplain Improvement & Regional facilities	Expand natural floodplain areas to receive larger storm events. Create/recreate floodplain areas that are not currently present. Utilize county and state land along streams to provide storm management for larger storms, either in-stream or off-line.	Reduce flooding along Main Street by increasing stream capacities which reduces damage to EC. Improve water quality by utilizing natural meadows for treatment. Manage large storm events and release water at a manageable rate to decrease downstream flows.	Historic Ellicott City and upper drainage areas	\$	L	4	DPW	4.5
Long Term Vision for Historic EC	Selectively remove structures from the floodplain and create a linear park that enhances the remaining structures and uses along the Tiber River.	Avoid serial rebuilding efforts over the coming decades (and longer). Enhance visitors' experience of historic EC.	Historic Ellicott City	\$\$\$\$	L	1-30	ECP,OCS,D PZ	4
Stream restoration	Correcting and rebuilding infrastructure and streams to help slow the speed of water leading to Old Ellicott City and reclaim the natural ways of the stream	It would help to rebuild eroded stream beds and correct problems of infrastructure that currently blocks the natural flooding of the area and instead sends the water to Old Ellicott City	Historic Ellicott City and areas along the Tiber Hudson Streams	\$	L	6	DPW	4
Greenspace Sidewalks	No more parking on one side of Main St.. Extend sidewalk into the road and add a strip of grass or trees or other water absorbing vegetation.	It used to look like this, so this is historical. It will be pretty and make walking nicer.	Historic Ellicott City	\$\$\$	L	2	DRP,ECP,D PZ	3.5
Stream rehabilitation	Implement in stream measures such as timber check dams or other structures along with rechanneling or restoration to slow velocity and increase channel storage.	This would be a means of natural and restorative measures to help mitigate and manage flooding, which will help sustain over time	Historic Ellicott City	\$	L	2	DPW	2.5
Celebrate the Patapsco	Develop park + recreation areas around the river to draw people into the area. Picnic areas, hiking paths	It would be an additional draw to bring people into the area	Historic Ellicott City and Oella	\$	L	10	DRP,DPZ	2.5
Find a way to combine quantity and quality retention	Take care of quantity and quality at the same time	Save \$ and meet sw regs, combine others, help others at the same time		\$	L	3	DPW,OCS	2.5
Stormwater Management	Construction of a jetty to alleviate tailwater condition at outfall to Patapsco River. The Tiber would be given the benefit of a less restricted outfall and reduced water surface elevation risk	This would be an effective solution to already worrisome drainage concerns. Possible ramifications: COE, MDE approval	Historic Ellicott City	\$	L	3	DPW	2

Environment

Patapsco River Overlook	Take Parking lot B and create a storm water management feature that can function as a park. The river has played such a strong role in the town's history, and parking lot B could become a great overlook park that could be used for picnics, small concerts and events, to observe nature.	Improvement to local storm water management and infrastructure, while becoming a positive amenity and landmark for residents and visitors	Historic Ellicott City	\$\$\$	L	5	DRP	2
Improvement to Patapsco River Open Space	Boardwalk with interpretive signs along Patapsco River at Parking lot B. From Army Corps Engineers study dated Jan 2005. Design concept one, simplest and lowest cost of the 4 concepts offered	Create a waterside attraction for visitors to enjoy and showcase the reason the town was found - the Patapsco river	Historic Ellicott City	\$\$\$\$	L	5	DRP	2
Main Street Mini-Parks	Identify small open areas on or adjacent to Main St.. Plant with native plants and incorporate outdoor seating (benches, planters such as those outside Su Casa & La Palapa). Provide appropriate lighting.	Improve the attractiveness of EC as a destination (the mini-parks become attractions in themselves). Make visiting EC less physically challenging for old folks, families with small children etc. Provide green spaces to decrease water runoff, increase water retention.	Historic Ellicott City	\$\$\$	L	4	DRP, ECP, DPZ	2
New Cut Park	Convert the flatlands along the New Cut Branch south of St. Paul's Church, an area that used to be known as "Forty Acres" and provided a community recreation area into a waterside green park. Short-cut access could be provided by building an elevated steel grid walkway from the alley by Southwest Connection up the New Cut Branch.	This would increase the walking area of Historic Ellicott City and create an additional attraction for locals and visitors, adding a waterfront park area while preserving the New Cut floodplain from further development.	Historic Ellicott City and New Cut Road, a scenic byway, would be preserved while being made more accessible.	\$\$\$\$	L	20	DRP, OCS, DPZ	2

Economy

A	B	C	D	E	F	G	H	I
Project Name	Description	Impact	Area Affected	Estimated Cost	S/MP	Timeframe to Complete	Agency Lead	Priority Ranking
1	Parking							
2								
	It is time to start allowing parking on Main St for customers, in particular the weekends and weekdays from mid afternoon where parking is deserted when contractors leave. Merchants on the middle to lower end are being harmed and put at financial risk and no obstacles or inconveniences to deter easy access for customers is necessary, beneficial or acceptable.	Continued prohibitions for easy customer access is hurting merchants in the lower and middle sections of town. This has already cost some merchants many thousands of dollars and this policy has and will continue to be a detriment to the recovery of the individual businesses and the town as a whole as a viable and hassle free retail destination and no.....parking in the lots is not an adequate response.	Historic Ellicott City	\$	S	6 mos	DPZ/Rec& Parks	S
3	Allow Parking on Main St							
4	Economic Future	Are there opportunities to strengthen the economy? Can we reduce vehicles and increase population?	Historic Ellicott City	\$\$\$\$	MP	6 mos	ECP/EDA/ MW	S
5	Sidewalk Savvy Business	Eliminate on-street parking, widen sidewalks, solicit and secure more food/restaurant business, promote outdoor eating & gathering areas	Historic Ellicott City	\$\$\$	MP	6 mos	millworks/eda/ecp/tourism	S

Economy

	A	B	C	D	E	F	G	H	I
6	Visitor Parking	EC has to address visitor parking in a way that promotes downtown businesses without detracting from the city's historic character by ensuring there is no structured parking in view of the historic core. Several years (decades?) ago, transport by trolley (rubber tires, hop on/hop off) was proposed but did not materialize. Could this option, particularly for weekends and special events be re-examined for implementation? Even a single vehicle traveling up and down Main Street could improve parking and circulation for visitors.	More people can visit and staying longer and moving throughout town without strain of parking which will increase the economy with long visits and happier customers.	Historic Ellicott City	\$\$\$\$	MP	6-12 mos	DPW/DPZ/ECP/EDA/MW/Tourism	5
7	Tour Bus pull-off for visitors	There are currently no bus friendly pull off areas for visiting tour buses other than existing parking lots. Suggesting a pull off area either at Wilkins-Rogers Property or along Oella Ave near old trolley stone piers viaduct	Encourage tour bus companies to arrange more visits and boost local economy	Historic Ellicott City	\$\$	MP		Tourism	1
8	Ellicott Mills Dr. Project	Old Roger Carter Center plot is redeveloped for 1 story additional parking plus a natural garden is a buffer between lot and houses on Fels Lane. Additionally, granite Manor home (owned by Parks and Rec) is used as natural history museum	More parking, restoring natural land uses, use of historic building	Historic Ellicott City	\$\$\$\$	MP	5+ years	Dept of Housing/Rec & Parks	1

Economy

	A	B	C	D	E	F	G	H	I
9	New Parking Structure	A parking structure is needed either in Lot F or Lot A.	More parking is critically needed for Main St to really thrive. Columbia is getting a 50M parking structure. It's time to get serious about more parking in Ellicott City.	Historic Ellicott City	\$\$\$\$	MP	10+ years	Co Exec/DPZ/DPW/Housing/Rec&Parks	1
10	Flour Parking Mill	Engage Baltimore County in a joint venture re any re-development of the Flour Mill across the Patapsco to include a commercial 1,000-space parking lot to service Historic Ellicott City and generate income for Baltimore County.	This will relieve the parking restrictions on Main Street and regenerate business on lower Main Street, which was hit hardest by the July 30th flood and is most pressed for parking spots.	Historic Ellicott City	\$\$\$	NO Plan			1
11	Riverwalk/West End	Link West end more to the business district. Provide an opportunity to facilitate linkage between artists and other people who produce items for sale and link with stores in the business district or have a place to sell them. Also provide business advisory services for such individuals	Income generation, strengthen the community	Historic Ellicott City	\$\$	S	12 mos	ECP/Ellicott City Art Walk/EDA/MW	4
12	Market links for artisans of West End		We have some very scenic areas, especially south of Main St., that are obscured from public view. A walkway would make these accessible and relieve some of the pedestrian burden on Main St. sidewalks. (Related: develop the river as a visitor destination - e.g. small parks on the bank w/ seating)	Historic Ellicott City			5+ years	DPZ/DPW/Rec&Parks/Council	3
13	EC River walk	An elevated walkway along the water features near Main St. and down to and along the river				MP			

[illegible]

Economy

	A	B	C	D	E	F	G	H	I
20	Sustain Business Viability	Use a business coalition to get better insurance rates. Take proactive steps to help resiliency such as flood proofing to reduce building damage and thus insurance claims or a common storage facility to take inventory of danger and reduce insurance claims.	Improve resiliency and business community.	Historic Ellicott City	\$	MP	6-15 mos	EDA/MW/ ECP/Coun ty Council/T ourism/M HT	5
21	Tax credits for flood insurance	Create a 100% (\$ for \$) tax credit for structural / residential / property owners who pay for flood insurance	More people with flood insurance, more \$ to rebuild with. Incentive for infrastructure improvements	Historic Ellicott City	\$\$	MP	6 mos	EDA/MW/ ECP/Coun ty Council/T ourism/M HT	4
22		Tax abatements for all businesses. Fast track for permitting. Co-op advertizing on radio, TV, internet. Events, events, events!!! Parking structures on lots F & A plus at courthouse		Historic Ellicott City		MP	>6mos	EDA/MW/ ECP/Coun ty Council/T ourism/M HT/DPZ/D PW/Exec	3
23	Best Practice/Business Preparedness				\$\$\$\$				
24	Historic Distric Recovery	Meeting with businesses and property owners. Assistance with more volunteers to assist more cleanup. Central information to assist in getting contractors. Institute a central liason where potential new businesses can make inquiries for future use. Continue to promote the businesses that are open. Keep the media interest going	It will continue to keep Ellicott City alive and assist the merchants in their economic recovery.	Historic Ellicott City	\$	S	6-12 mos	ECP/EDA/ MW	5
25	Business Best Practices	Establish business best practices and EC covenant for business operators E.G. minimum standards for operating/open hours	Consistent, reliable operating hours that conform with current market trends could generate more traffic. Business should realize 10-5 M-F misses prime shopping time	Historic Ellicott City	\$	S	6-12 mos	ECP/EDA/N	5

Economy

	A	B	C	D	E	F	G	H	I
26	Stirring the Business Pot	Add coworking space in addition to existing antique and artist	Businesses want amenities not just opportunities but employment, tax generation, etc	Historic Ellicott City	\$\$\$	S	6-18 mos	tourism/EDA	S
27	Business Preparedness Campaign	Initiate a business preparedness campaign with support from EC businesses to include materials, trainings, etc	This project will ensure that not only will the local economy be prepared for all hazards, but the entire country as well	Historic Ellicott City	\$\$\$	MP	6 mos	ECP/OEM	S
28	Fiber Underground	Build high speed fiber through historic area in conduit built underground	Local businesses and residents will have access to resilient, reliable high speed fiber access for internet and other data needs. No fragile, above ground lines	Historic Ellicott City	\$	MP	15 mos	DTCS	3
29	Remove/reduce low voltage lines	Removing low voltage lines and installing smaller utility poles would give downtown a much more appealing presence. In some areas now the pole takes up 1/2 of the sidewalk	It would improve the historic look of downtown	Historic Ellicott City	\$\$\$\$	MP	3 years	BGE/Verizon/Comcast/DPZ/DPW/Executive	3
30	Marketing/Promotions								
31	Restore/Recreate Mural and Park Area at Old Columbia Pike and Main St	Restore or recreate the mural, add visitor amenities such as benches, interpretive signs	Enhance the visitor's experience in town, boost economy	Historic Ellicott City	\$\$	S	12 mos	Beaufort Comm	5
32	White Lights for Unity	Encourage everyone on Main St. to display white lights during midnight madness. County add white lights to	Like Hamden, we could be a X-mas light display to see and	Historic Ellicott City	\$	S	>12 mos	ECP	5
33	Shopping in the streets/night-shopping	These events, to be recurring regularly, would include some combo of: evening shopping, closed to vehicular traffic	Money! Publicity! Fun! Projects are needed across the watershed - this needs to be a community effort	Historic Ellicott City	\$	S	>12 mos	ECP/EDAP/AMM	5
34	Save EC Branding and Marketing Campaign	This project will formalize a branding and marketing campaign to save EC. promote, build in from the holidays	Encourage public to stop in the West End	Historic Ellicott City	\$	S	>6 mos	DTCS	5
35	Wifi @ the Colored School	Extend wifi to colored school and poke stop near West End shops		Historic Ellicott City	\$	S	>9 mos	DTCS	4

Economy

	A	B	C	D	E	F	G	H	I
36	Walking Podcast Tour	Like at the statue of liberty. Give history of town. Include plugs for current shops.	Educate public on EC's significance and historical background	Historic Ellicott City	\$	S	12-15 mos	Tourism/ Historical Society/H EC/ECP/Rec&Parks	3
37	Legacy Project	Implement a Legacy Program, promoting businesses / bars / restaurants that have been in business a certain amount of time	Promotes education of historic resources while serving as an advertising tool for local business. Seems easy to accomplish via a nice website, a seal or logo on windows or menus	Historic Ellicott City	\$	S	6-12 mos	ECP/EDA /MW/Tourism	3
38	Economic Development with new merchants, restaurants	Assistance setting new businesses into town. Marketing. Help with good tenants.	New jobs, revenue, new life in town!	Historic Ellicott City	\$\$	MP	6-15 mos	EDA/MW/ ECP	5
39	Old Ellicott City Central Marketing Station	This project would involve the creation of a center (much like the disaster assistance center) where marketing resources, specialists/advisors, etc. would be available to all Main St. business owners. The center could also host community business meetings so that we can help each other develop and promote the EC "brand." Someone had also suggested that it organize a way to sell Ellicott City gift cards for the various shops. Need ECDT Tourism to promote or come up with a plan for making EC the town that everyone wants to come to for special events, promotion of businesses, advertising etc. it is important to remember that the money business make in EC stays in EC.	This will help promote EC's brand and vision, bring more customer foot traffic, and restore our economy along Main St. Everyone will benefit from a financial recovery.	Historic Ellicott City	\$	MP	6-15 mos	ECP/EDA/ MW/Tourism	5

Economy

	A	B	C	D	E	F	G	H	I
40.	West End Museum/Community Center	Develop a point of interest for historical tourism. A center that will tell more about the history of EC, including West End. This will help link the tourism that comes to the business district up towards Main St. and Rogers Ave. and will help the community remain strong and together, a place to have dinners, etc. Can be established in an existing vacant building owned by the county	Expand tourism attractions - increase tourism spending. Strengthen community, link businesses and residents	Historic Ellicott City	\$\$	MP	3-5 years	Tourism/ Historical Society/H EC/ECP/R ec&Parks	4
41.	Wedding and Special Events Venue on Parking Lot D	Main Street Ballroom is a wedding and special events venue coming to Main Street on April 1, 2017. Support for the business is requested, including beautifying parking lot D, which is directly adjacent to the venue and will be the backdrop for wedding ceremonies along the river.	Main Street Ballroom will bring business to the city and its surrounding businesses in forms of wedding guests shopping and dining at area establishments for pre and post wedding festivities as well as tax revenue from the venue itself. If the view of the parking lot is improved (removing chain link where the bridge used to be, building up the walls along the river for privacy/break up view of cars and dumpsters), then more clients will likely book weddings at the venue. This will lead to an overall increase in taxable revenue for the city and increase the number of visitors to the town by up to 600 per weekend (200 per night on Fridays, Saturdays and Sundays). The venue is located on the lower level of Su Casa where The Marketplace is currently set up. We open for events on April 1 and would like to use the main dumpster	Historic Ellicott City	\$\$				1
42.	No Category Listed								

Economy

	A	B	C	D	E	F	G	H	I
43	Acquisition of old EC Theater building by non-profit org to serve as Arts Center for Historic District	Arrange for a local non-profit to purchase the old EC Theater. Renovate to serve as a center for performing and visual arts.	Ongoing arts program will attract additional artists to the community and bring new visitors to attend events such as plays, concerts, art exhibits, movies, and dance	Historic Ellicott City	\$\$\$\$	MP	2-3 year	HoCo Arts /EC Art walk	2
44	Condo development(s)	I'd like to see a condo development wrapped around a parking garage(s) along Main St.	Bring in more people for shopping, create more pedestrian street traffic + economic impact	Historic Ellicott City	\$\$\$\$	MP			1
45	Food Incubator	Commercial kitchen / hospitality incubator, possibly in conjunction with Lincoln Tech / HCC, entities which offer culinary degrees	Test kitchen for start-up bakeries, eateries, food trucks that would attract young businesses to EC and insure greater likelihood of success. Could offer public cooking classes as revenue stream.	Historic Ellicott City	\$	no plan			1
46	Celebrity chef restaurant	Negotiate for a celebrity chef to spearhead a restaurant in the under-utilized B&O rail station as per the suggestion at the UL-TAP presentation on 12 January 2016.	This would draw people from all over the area, best combined with valet parking or a new parking lot on the flour mill premises.	Howard County	\$\$\$\$	MP	5 years	CE	4
47	Boutique hotel in Court House	Negotiate for a boutique hotel to occupy the building on Capitol Hill when the Court House is relocated as per the suggestion at the UL-TAP presentation on 12 January 2016.	This would draw people from all over the area, would utilize the large existing parking area, add traffic to the new staircase behind the brewery and open up a new commercial area.	Howard County	\$\$\$\$	MP	5 years	CE	4

Economy

	A	B	C	D	E	F	G	H	I
48	Restaurant in old post office	Negotiate for a high end restaurant to occupy the old post office building that is currently a welcome center/museum/office building, as per the suggestion at the ULI-TAP presentation on 12 January 2016.	Good restaurants are the main reason people are drawn to an area. This is a good looking venue with the large parking lot D behind.	Howard County	\$\$\$	MP	5 Years	CE	4

Other

Project Name	Description	Impact	Area Affected	Estimated Cost	S/MP	Timeframe to Complete	Agency Lead	Priority Ranking	Policy/Safety
Baseline Conditions	Assessment of existing conditions via GIS data and aerial photography, site visits, surveys. Assessment would include impervious areas, zoning etc. Assessment would include compilation of existing information (SWM facility locations, storm drain systems)	Project would provide a baseline starting point for future studies. Project is likely at least a part of current studies but it is more important for all studies to be based on the most accurate information available.	Historic Ellicott City	\$	S	1 week	DPZ/DPW	5	Policy
Toughen watershed standards	In accordance with MD and national standards	Decrease water volume	Historic Ellicott City	\$	S	3 months	CC/DPZ	5	Policy
Promote Renters Insurance	Most damage and loss happened to renters who had no or inadequate insurance. Provide education and remedies to all building occupants in targeted areas.	Rebuilding will be funded better for most impacted people	Historic Ellicott City	\$	S	1-2 months	DCRS	4	Policy
Community Building	Create a community building exercise (think Frederick and Community Bridge) to invest the community in a new vision for the town	Engaging the community to build a symbol of common vision and community resilience that reflects the interpretation of all stakeholders			S	2-3 months	DPZ	3	Policy
Expand Permitting Regulations	Develop a strict set of flood-safety building/property requirements; Optional- provide government incentives/funding to bring private properties up to new standard	Only way to ensure private sector protects their properties and themselves from known hazards, but will not be publicly popular and detrimental to long-term viability of Historic Ellicott City	Historic Ellicott City	\$\$	MP	1-2 years	DILP	5	Policy
Ellicott City Watershed Management Area Zoning Overlay	Creation of a flood management overlay for the entire Hudson-Tiber watershed that allows mandatory retrofits for developments that have no SWM and provides other powers to the county to manage the area.	Overall changes to the quantities and qualities of water.	Watershed area	\$	MP	1-2 years	DPZ	4	Policy

Other

Tiber Hudson Special Protection Area	Create a special protection area for the Tiber Hudson watershed that limits development, actively protects land and remaining existing natural areas, has even higher stormwater management standards and promotes green infrastructure and flood mitigation practices.	This project will help to preserve existing natural resources, which are needed to help mitigate flood damage. This project will provide for a more resilient watershed and demonstrate to the community and public at large that Ellicott City is truly worth saving.	Historic Ellicott City	\$\$\$\$	MP	1-2 years	DPZ	4	Policy
Handicapp Access	Provide parking both sides of Main St for disabled access staggered to enable shop access for the handicap. The length of walking and accessibility prevents access that can be added easily with a few spaces each side on Main St.	Currently the walking length fails to provide access on Main St to those disabled whereby income loss to shop owners could be availed. This has been a problem for those disabled preventing visitation to shops, family and friends without obtaining another person to park the car and would serve inclusion and accessibility in several areas from Gramps Books down to the railroad.	Historic Ellicott City	\$	MP	1 year	DCRS	3	Policy
Hire dedicated staff	The County should have dedicated staff to oversee and coordinate flood mitigation efforts. This staff person would have the ability to effectively work across departments to achieve specified objectives. The staff person would be responsible for submitting grants, coordinating with other departments on grant submittals, communicating progress to the community, providing or coordinating provision of technical resources to the community, and generally ensuring and spearheading forward momentum on flood mitigation efforts.	This project will help to achieve all goals by providing needed programmatic infrastructure and support via a staff person.	Historic Ellicott City	\$	MP	2-3 years	Contg. Ex ECP	2.5	Policy

Other

Primary exit doors	Primary exit doors that swing in the direction of egress (exit travel), as repairs/improvements are made to assembly occupancies.	Impact goal is to reduce the risks to life safety in the event of situations where rapid evacuation is necessary (fire, flash flood) in these historical structures that often do not incorporate modern life safety design and life safety code advancements.	Historic Ellicott City	\$		MP	1-2 years	DILP	2	Policy
Traffic Laws	Slow traffic to allow window shopping and better/safer pedestrian traffic	Safer streets, ability to cross street for better shopping	Historic Ellicott City	\$		S	6 months-1 year	Police/DPW/State Highways Admin	5	Safety
Sidewalks for safety	Fix sidewalks and raise curbs to allow pedestrians to walk safely along road.	Reduce risk of pedestrian vs. auto accident	Historic Ellicott City	\$-\$		S	6 months-1 year	DPW	5	Safety
Public evacuation plan	Make a public evacuation plan & educate the public so they know what to do in another flood					S	1 year	OEM	3.5	Safety
Close Main St during flood events	Close all of Main St during periods of heavy rain to evacuate and prevent loss of life	Save lives in future rain events	Historic Ellicott City	\$		S	1 month	OEM	1	Safety
Install life preservers and throw lines	Install life preservers and throw ropes throughout town to prevent needing to make human chains	Save lives in future rain events	Historic Ellicott City	\$		S	3-6 months	OEM	1	Safety
Safety for Patrons	Inform residents what their reaction should be during a flooding event	Make public feel safer and not deterred from visiting	Historic Ellicott City	\$		S	1 year	OEM	1	Safety
Close Main St. when heavy rain until infrastructure is improved	Save lives by closing Main St. w/ train crossings	Prevent loss of lives	Historic Ellicott City	\$\$\$		S	1 month	OEM	1	Safety
Public Flood Warning system		Impact goal is reduced risk to life and property by providing early warning to the public of a potential similar future event.	Historic Ellicott City			MP	2-3 years	OEM	4	Safety
"Smart" alert and warning system for Main St	An alert and warning system that ties river rise/anticipated rain to advance alert and warning	This project seeks to reduce the risk to human lives	Historic Ellicott City	\$\$\$		MP	2-3 years	OEM	4	Safety

Other

<i>Flood monitoring system</i>	Flood monitoring system, particularly upstream and including the Patapsco	Impact goal is reduced risk to life and property through early detection of conditions that could lead to a potential similar future event.	Historic Ellicott City		MP	2-3 years	DPW/OE M	2.5	Safety
<i>Flood Notification System</i>	A warning system - siren? Lights? Etc. that will notify the public and can be seen/heard in resident homes and specifically targeted to this community and high risk areas	Increased sense of safety and preparedness, ability to respond, mitigate impact of disaster	Historic Ellicott City		MP	2-3 years	OEM	2.5	Safety
<i>Steps to safety</i>	Build survival ladders and post higher ground signs to help people during flood events	Save lives in future rain events	Historic Ellicott City	\$	MP	2-3 years	OEM/DP W/DFRS	1.5	Safety
<i>Water shed administrator</i>	Hire a watershed administrator to oversee watershed issues in HoCo	One point of contact for all issues	Historic Ellicott City	\$	S	Existing	DPW	5	Policy
<i>Website improvement</i>	Add flood study info to the County website	Help educate public on what we know		\$	S	Existing	DICS	3.5	Policy
<i>Sprinkler fire protection systems</i>	Sprinkler fire protection systems installed as buildings are built/renovated/Improved.	Impact goal is to reduce the risks to life safety and decrease the risk of structural fire loss in the event of fire in these valuable historical structures that often do not comply with modern life safety design and code standards.	Historic Ellicott City	\$\$\$		Existing	DILP		