

Osceola County LMS Working Group Mitigation Initiative List

Priority Number	Project Name	Description	Hazard	Est. Time Frame for Completion	Responsible Jurisdiction	Point of Contact	Jurisdictions Benefited	Date Inc. into Plan	Current Status w/ As Of" Date	Potential Funding Sources	Total Est. Cost	75% Michael HMGP Funding	25% Michael Cost Share
1	Woodside Drainage	The area around this drainage system floods on a regular basis. This project would reduce the potential loss to many low income apartment homes adjacent to the area that floods when heavy rain comes since the drainage system does not work. Approx. 2 miles	Flooding	1-2 Years	City of Kissimmee	Nagel Altrui City of Kissimmee	City of Kissimmee	11/16/2007	As of Nov 9, 2017 there was a question about the ownership and insurance coverage of this property. Additional review needs to be made to determine weather or not to continue with this project. <b>As of March 14, 2019 this project will be submitted under HMGP for Hurricane Michael</b>	RFQ, HMGP, PDM, FMA	\$2.5 Million	\$1,875,000	\$625,000
2	Hill Street Drainage Improvements Phase 3	Provide drainage improvement to a large portion of the city and mitigating current flooding issues. Many of the homes adjacent to the area have had flood issues when heavy rain comes since there is not enough water volume storage in the system. Final phase of drainage projects along Hill Street. Lavon intersects with Hill and the design calls for increasing the stormwater system capacity to help alleviate the flooding.	Flooding	1-2 years	City of Kissimmee	Nagel Altrui City of Kissimmee	City of Kissimmee	2/14/2011	As of April 29, 2019, the city is waiting for additional funds to complete phase 3. <b>The city will be submitting for funding under HMGP for Hurricane Michael</b>	HMGP, PDM	\$1.6 Million	\$1,166,543	\$388,848
3	Good Samaritan Village - Flood Mitigation Project	There are 600 apartments on campus and over 50% were impacted by Hurricane Irma. Contaminated water accessed the dwellings and caused mold growth on the interior walls up to 4 feet high. The condition deemed many structures inhabitable. Less severe moisture, windblown rain damage, and sewer back-ups were also experienced in multiple locations throughout the campus. Significant damages to many screened in porches, soffits, roofs and the club house outside eating area were also reported. Roads and parking lots were also damaged and eroded. Multiple lifts station and pump failures, multiple sewer lines and stormwater lines were compromised. The WWTP's main pump control motors suffered electrical failure and generator failure.	Flooding	3 years from award of grant	Good Samaritan Village- Kissimmee/ Osceola County	David Hamstra Pegasus Engineering LLC	Good Samaritan Village	2/15/2018	As of June 20, 2019, Original scope of the project has been modified at the request of FDEM & FEMA. This project will focus on flood mitigation of building that were affected after Hurricane Irma. <b>This project has been added to the Hurricane Michael HMGP request.</b>	HMGP, Good Samaritan Funding	\$50,000,000	\$37,500,000	\$12,500,000
4	Mill Slough Stream Bank Restoration	Providing streambank restoration and debris/sediment removal for a total length of 6331 L.F along Mill Slough. 20 homes in the city and 2 home in the county will primarily benefit from the streambank restoration. Approximately 93 homes will benefit from fallen trees and sediment deposit that can create addition flooding issues.	Flooding	11/24/2019	Osceola County & City of Kissimmee	Linette Matheny Assistant County Engineer & Nagel Altrui City of Kissimmee	Osceola County / City of Kissimmee	4/1/2015	As of April 29, 2019 this project has been approved for funding under NRCS. The project is estimated to cost more than the grant funds. The city is looking for additional funds to complete the project. The city has requested for additional funds from the NRCS and are waiting for approval.	HMGP, PDM	\$4.4 Million	n/a	n/a
5	Kempfer Road Culvert Metal Culvert Replacement	Replacement of culverts for Kempfer Road Culvert	Flooding	Varies depending on the project 12 Months to 2 Years	Osceola County	Linette Matheny Assistant County Engineer	Osceola County	4/1/2015	As of February 15, 2018 Osceola County has submitted all the information that has been requested by the State on Phase 1 (design) and Phase 2 (construction), for the Kempfer Road. DEM will be moving forward in submitting this project to FEMA. Old Canoe Creek Road was pulled from the Hurricane Matthew HMGP, but will be resubmitted under Hurricane Irma HMGP Funding. As of July 15, 2017 the Kempfer Road (Application #4283-75 and Old Canoe Creek Road (Application #4283-77) projects have been assigned a Project Assessment Teams. On February 15, 2018 the Old Canoe Creek Road project has been pulled from considerations for Hurricane Matthew HMGP and Will be resubmitted under Hurricane Irma HMGP. <b>As of 01/08/2019 county wants to break out the projects separately. 03/14/2019 Kempfer has been approved for funding.</b>	HMGP, PDM	\$984,449	n/a	n/a
6	Old Canoe Creek Road Metal Culvert Replacement	Replacement of culverts for Old Canoe Creek Road Culvert	Flooding	Varies depending on the project 12 Months to 2 Years	Osceola County	Linette Matheny Assistant County Engineer	Osceola County	4/1/2015	See Project # 4	HMGP, PDM	Unknown	n/a	n/a
7	Aultman Rd Bridge Replacement Metal Culvert Replacement	Replacement of culverts for Aultman Rd Bridge Replacement	Flooding	Varies depending on the project 12 Months to 2 Years	Osceola County	Linette Matheny Assistant County Engineer	Osceola County	4/1/2015	See Project # 4	HMGP, PDM	\$1,324,782	n/a	n/a



Osceola County LMS Working Group Mitigation Initiative List

18	Uniform Emergency Connections specify what buildings	Need uniform emergency connections for pumps and generators standard plug receptacles. Change out non-standard plugs and pre-make generator pig tails.	All Hazards	>12 Months	City of St. Cloud	St Cloud: Cameron Crandell Engineer I 407-957-7279	Countywide	2/16/2005	As of December 2016: City Hall has a permanent generator installed. Police and Fire Stations have permanent generators as well. The City's Joint Use Facility/Warehouse has a generator tied to the gasoline pumps. During the pas two Hurricanes (Hermine & Matthew) it has become increasingly apparent that this project has a major impact on The City of St. Clouds recovery and Continuity of Government	HMGP, PDM	\$15,000/each	n/a	n/a
19	Lake Toho Restoration (aka Judge Project)	Rerouting of the Mill Slough outfall to Lake Tohopekaliga and creation of storm water attenuation and treatment system for approximately a 10,000 acre drainage basin encompassing Mill Slough and East City ditch.	Flood, Hurricane, Severe Weather	24 Months	Osceola County	Linette Matheny Assistant County Engineer	Osceola County	12/3/2014	As of Nov 9, 2017 Applied for CAP Funding on Jun 18, 2017. Next Step is the Feasible Study by the CORPS of Engineers. The plan is to develop a "Diversion Wall". As of March 8, 2018 this project is being reviewed for CAP funding options. This project is part of the Neo City 150 acre pond expansion to divert slough into pond for possible use later by TOHO Water.	HMGP, PDM, SFWMD, FDEP CAP Funding option	\$6,000,000	n/a	n/a
20	Pennywash and Wolff Creek Bridges Replacement w/ Upgrades	Mitigation of bridge to meet current safety standards and to reduce the inundation frequency.	All Hazards	2 Years	Osceola County	Linette Matheny Assistant County Engineer	Osceola County	4/1/2015	As of November 9, 2017 the Pennywash bridge was damaged during Hurricane Irma and there was a loss of 6-7 feet of fill underneath making it unstable. The immediate fix is (5) crush bents to be installed. At the cost of \$2,000,000 which also includes Wolf Creek Bridge. As of March 8, 2018 County is working with FEMA on 406 funding due to extensive damage during Hurricane Irma	HMGP, FEMA 406	\$12 Million	n/a	n/a
21	Central & Southern Florida Hydrologic Model Updates & Infrastructure Improvements	The Central & Southern Florida (CS&F) System is the flood control system that regulates lake stages and drainage flow south. It was designed and constructed in the 1950s-1960s using the existing land use at that time to provide a level of service for a 10 year storm event. Development, as well as other factors, decreased the designed flood protection level of service by over 1/2 in the most of the upper Kissimmee Basin. There is also an unaccounted for drainage area outside the jurisdiction of SFWMD that drains to the C&SF system. Local, State & Federal partnerships would be needed.  Phase 1 of this project includes updating the current SFWMD integrated watershed model for the CS&F system to address unaccounted for drainage flows from outside the SFWMD boundaries. The flood control level of service would be determined (FY17-FY18). Phase 2 includes a level of service impact analysis of operational and structural modifications as well as costs and recommendations for implementation. Phase 3 consists of Environmental Impact Studies and Federal approval permitting and implementation of structural and operational modifications.	Flooding	Ph.1 (Modeling Update) – 24-36 months Estimated to be a 20 year project from model update to C&SF infrastructure and operation modifications	South Florida Water Management District	Bill Graf	Osceola County, City of Kissimmee, City of St. Cloud, Deseret Ranches, SFWMD, SJRWMD	4/1/2015	As of December 2016 the County is still waiting on the Modeling Team to present their findings. Follow up with the Team to determine status is needed.	HMGP, SFWMD, SJRWMD, local gov't entities, Florida Legislative Funding	Phase 1: \$8,500,000	n/a	n/a
22	Marsh Road - Repetitive Loss Property	Relocation of the building to a flood free site. The Mitigation of the flood risk to these repetitive loss properties will reduce the overall costs to the NFIP as well as to individual homeowner.	Flooding	>12 Months	Property Owner	Susan Gosselin Storm water Program Manager	Osceola County	2/14/2011	As of October 27, 2017 Awaiting funding for design & construction	HMGP, PDM, FMA, RFC, SRL	\$63,375	n/a	n/a
23	Seminole Land and Investment Company: Kaiser Avenue - Repetitive Loss Properties	Relocation of the building to a flood free site. The Mitigation of the flood risk to these repetitive loss properties will reduce the overall costs to the NFIP as well as to individual homeowner.	Flooding	>12 Months	Property Owner	Susan Gosselin Storm water Program Manager	Osceola County	2/14/2011	As of October 27, 2017 Awaiting funding for design & construction	HMGP, PDM, FMA, RFC, SRL	\$200,000	n/a	n/a
24	Bay Pointe: Berkshire Court and Dunmore Lane - Repetitive Loss Properties within Hamilton's Reserve	Relocation of the building to a flood free site. The Mitigation of the flood risk to these repetitive loss properties will reduce the overall costs to the NFIP as well as to individual homeowner.	Flooding	>12 Months	Property Owner	Susan Gosselin Storm water Program Manager	Osceola County	2/14/2011	As of October 27, 2017 Awaiting funding for design & construction	HMGP, PDM, FMA, RFC, SRL	\$138,000	n/a	n/a

Osceola County LMS Working Group Mitigation Initiative List Hurrincae Irma HMGP Projects

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1	Blackberry Creek Pump Station	When the C-31 canal is flowing full, Blackberry Creek's ponds are impacted. These ponds have tidal flappers installed to allow the ponds to be pumped down regardless of the canal's level. The City intends to permit and install a permanent pump station to alleviate the need for having mobile pumps stationed there during disasters.	Flooding	>12 Months	City of St. Cloud	Cameron Crandell Deputy Director of Environmental Utilities	City of St. Cloud	2/15/2018	As of March 8, 2018 this project is being submitted for funding under HMGP for Hurricane Irma.	HMGP, PDM	\$95,161	\$71,371	\$23,790
2	Hurricane Shutters - Kissimmee Fire Station #11	The exterior of all windows and doors in the structure would be secured by aluminum accordion shutters. The bay (garage) doors would be secured by hurricane rated braces. Currently the structure is only protected for winds up to 110mph.	All Hazards	<12 Months	City of Kissimmee	Jeremy Donovan COK PW&E	City of Kissimmee	2/15/2018	As of March 8, 2018 this project is being submitted for funding under HMGP for Hurricane Irma.	HMGP	\$19,861	\$14,896	\$4,965
3	Buenaventura Lakes Stormwater Upgrades	Roadway, home and yard flooding are major concerns in this area and poses a threat to the health, safety and welfare of the residents. Impassible roadways could prevent or impede emergency vehicles access to homes and create hazardous driving conditions. Stagnant, standing water also creates breeding ground of mosquitoes, which can be a health risks and increase the County's demand for mosquito control services.	Flooding	3 years	Osceola County	Linette Matheny Assistant County Engineer	Osceola County	2/15/2018	As of March 8, 2018 this project is being submitted for funding under HMGP for Hurricane Irma. As of January 8, 2019 this project is in the queue for funding.	HMGP, CDBG and CIP matching	\$4,767,273	\$3,575,455	\$1,191,818
4	Esprit Pond Improvements	The Esprit Neighborhood's roadways are impacted by high pond elevations after extended periods of rain. Pumping of the ponds is required to get the water out of the roadways. Projects would include redesign, permitting, and construction of improvements to the existing ponds and control structures.	Flooding	>12 Months	City of St. Cloud	Cameron Crandell Engineer I	City of St. Cloud	2/15/2018	As of March 8, 2018 this project is being submitted for funding under HMGP for Hurricane Irma.	HMGP, SFWMD, PDM, Florida Legislative Funding	\$200,000	\$150,000	\$50,000
5	Good Samaritan Society Kissimmee Village Flood Mitigation Project	There are 600 apartments on campus and over 50% were impacted by Hurricane Irma. Contaminated water accessed the dwellings and caused mold growth on the interior walls up to 4 feet high. The condition deemed many structures inhabitable. Less severe moisture, windblown rain damage, and sewer back-ups were also experiences in multiple locations throughout the campus. Significant damages to many screened in porches, soffits, roofs and the club house outside eating area where also reported. Roads and parking lots were also damaged and eroded. Multiple lifts station and pump failures, multiple sewer lines and stormwater lines were compromised. The WWTP's main pump control motors suffered electrical failure and generator failure.	Flooding	3 years from award of grant	Good Samaritan Society – Kissimmee Village	David Hamstra, Pegasus Engineering	Osceola County	2/15/2018	As of March 8, 2018 this project is being submitted for funding under HMGP for Hurricane Irma.	HMGP, Good Samaritan Society	\$50 Million	\$37.5 Million	\$12.5 Million

6	Fanny Bass Slough Improvements	On 17th Street at the Senior Special Needs Shelter, flooding occurs. Need to raise the road about three feet, rebuild the drainage system, and install curb units.	Flooding	Phase 1: 24-36 Months Phase 2-5: 12-24 Months each	Osceola County	Linette Matheny Assistant County Engineer	Osceola County	4/1/2015	As of October 13, 2017 Design / permitting underway. No funds for construction at this time. Statement of Work as been submitted to FDEM/FEMA. As of March 8, 2018 this project is being submitted for funding under HMGP for Hurricane Irma. As of January 8, 2019 this project is in the queue for funding.	HMGP, PDM, SFWMD	\$2 Million	\$1.5 Million	\$500,000
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**Osceola County Mitigation Initiative List**

Project Name	Description	Hazard	Est. Time Frame for Completion	Responsible Jurisdiction	Point of Contact	Jurisdictions Benefited	Date Inc. into Plan	Current Status w/ As Of' Date	Potential Funding Sources	Total Est. Cost	Completed Date
Eagle Bay Subdivision	The Eagle Bay Subdivision, has experienced severe flooding resulting in human health and safety concerns. Offsite stormwater discharges contribute to the local flooding problems as stormwater flows to the subdivision and then ultimately to East Lake Tohopekaliga in Osceola County. Osceola County undertook a comprehensive analysis and determined that a bypass structure, spreader swale and additional water control structures will alleviate the severe flooding while providing water quality benefits to both Boggy Creek and East Lake Tohopekaliga. Project improvements will be designed to capture and convey offsite discharge in an effort to eliminate flood control concerns within the subdivision.	Flooding	>2 Years	Osceola County	Linette Matheny Assistant County Engineer	Osceola County	9/8/2016	As of October 13, 2016 the drainage design & permitting underway. Construction funding has been obtained.	County General Fund, Special Assessment for Stormwater Management and \$600,000 Cooperative Funding Project from SFWMD	\$1,445,000	COMPLETED Feb 2018
LIDAR	Acquire countywide LIDAR with contours at 1-foot intervals or smaller to provide accurate data for storm water calculations, delineation of drainage basins, storm water basin studies, NPDES calculations, determining BFES, development/construction estimates, safe development line, HAZUS modeling, utility location depth analysis, identifying flow patterns, swale, ditches and depressions, revised topography, and to provide to FEMA for FIRMs.	Multiple	All of the flights have been completed, and they are currently in the process of data processing	Osceola County	Richard Halquist Osceola OEM	Osceola County City of Kissimmee City of St. Cloud RCID	3/6/2014	Dewberry delivered the pilot portion on-time and in accordance with the USGS contract (June 15, 2016).	Jurisdictions State Funding SFWMD DEP Grant Sources USGS	\$682,300/ Countywide	COMPLETED Jan 2017
Traffic Signal Back-up Supply	Need a back-up power supply/generator for traffic signals at Commerce Center Drive/US192 and Kissimmee Park Rd/US192. And pigtail installation. UPS.	Hurricane, Tornado, Severe Weather	Greater than 12 Months	City of St. Cloud	Cameron Crandell Engineer I 407-957-7279	Countywide	2/16/2005	As of December 2016, the traffic signals do not have Back-up power supplies.	HMGP	Generator: \$10,000/each Pigtail: \$2,000/each UPS: \$7,000	COMPLETED Nov 2017
Princess Way/Seven Dwarf Lane Intersection Drainage Improvements	Drainage improvement project to improve outfall conditions.	Flooding	<12 Months	Osceola County	Linette Matheny Assistant County Engineer	Osceola County	4/1/2015	As of July 24, 2018 this project was approved for construction funding under HMGP for hurricane Matthew. FDEM project reference # 4283-82-R (78)	HMGP, PDM	\$107,000	In progress

Osceola County Mitigation Initiative List REMOVED PROJECTS												
Ord Pr or ty Number	Pro ect Name	Descr pt on	Hazard	Est T me Frame for Complet on	Respons ble Jur sdiction	Point of Contact	Jur sdiction Benef ted	Date Inc. Into Plan	Current Status w As Of Date	Potent a Funding Sources	Tota Est. Cost	
1	Elevate Lift Stations	Elevate lift stations due to recurring flooding from drainage and storm-water runoff	Flooding	>12 Months	City of St. Cloud	Cameron Crandell Engineer I	City of St. Cloud	2/16/2005	As of February 15, 2018 this project has been pulled from considerations of HMGP Funding for Hurricane Matthew due to lack of documented history of flooding. As of July 15, 2017 this project as been assigned a Project Assessment Team (Application #4283-73) On February 15, 2018 project pulled from consideration	HMGP, PDM, FMA, RFC, SRL	\$250,000/each	
12	Civic Center/Charter School Emergency Power	Provide permanent emergency generator to provide power to civic center & charter school in Kissimmee. This facility is used as a congregate care facility during disasters. The Civic Center already has pagsas.	All Hazards	>12 Months	City of Kissimmee	Sarah Beede (New POC Needed) COK PWAE	City of Kissimmee	2/16/2005	As of June 9, 2017 this project has been submitted for funding under the HMGP from Hurricane Matthew. As of July 15, 2017 this project as been assigned a Project Assessment Team (Application #4283-73) As of November 9, 2017 this project was pulled from consideration due to possible re-focusing building. As of March 8, 2018 the city and county are relocating at this project for resubmitting under HMGP from Hurricane Matthew. The County will deem this as a Critical facility for sheltering option during non-Hurricane incidents. As of 06/14/2018, per Austin Blake from City of Kissimmee, remove from the list.	HMGP	\$115,000 plus upkeep	
23	Form Based Zoning Code	All new and converted property would be required to construct in accordance with the new more stringent guidelines, therefore creating an overall safer environment. Sites and buildings would be more wind resistant, and sites would be laid out in a dense urban platform, leaving more open space available to absorb the impacts of rain events. For consultant to write code.	All Hazards	>12 Months	City of Kissimmee	John Hambley COK Development Services	City of Kissimmee	2/14/2011	As of Nov 9, 2017 the scope has been developed by consultant. Planning and design completed. Funding provided by General Fund. The project is scheduled to be completed Dec. 2018. As of March 8, 2018 there is a March 13th meeting scheduled with consultant on the first draft. This project will possible be submitted for funding outside of the LMSWG. More to follow. As of 06/14/2018, per Austin Blake from City of Kissimmee, remove from the list.	HMGP, PDM, FMA	\$300,000	
Unknown	Kissimmee View Treatment Facility (Hamilton Ph. 2)	Expand detention pond to treat and store storm water runoff from a 133A watershed.	Flood, Hurricane, Severe Weather	24 Months	Osceola County	Linette Matheny Assistant County Engineer	Osceola County	12/3/2014	As of October 13, 2017 Needs funding for design and construction. REMOVE PROJECT PER COUNTY ENGINEER	SFWMD FY16 Coop Funding Program	\$2,500,000	
Unknown	Poinciana Stormwater Improvements/ Storage (AKA Margold Ave. Stormwater Treatment Facility)	Poinciana is a community in a low lying area between 2 large swamps and was permitted and built prior to current drainage and floodplain knowledge. This project includes possible expansion of existing Greenways and creation of a new treatment pond on a portion of the undeveloped Charlie Wheeler Park area.	Flooding	24-36 Months	Osceola County		Osceola County	4/1/2015	AS of December 8, 2016 The Margold Ave. Stormwater Treatment Facility is primarily a water quality project. The project itself is no longer viable. The specific flood control benefits have not been determined but there is a possibility of some positive outcomes from a drainage perspective as the project moves forward. It was added to the list for potential funding should some become available. The intent was if the funds become available, then the project could be evaluated further for flood control benefits. REMOVE PROJECT PER COUNTY ENGINEER	HMGP, PDM, SFWMD Cooperative Agreements, FDEP (pond will also provide water quality benefits), APV, Avatar	Phase 1 (Pond)- \$3.9million Phase 2 (Greenway Expansion)- \$1.2million	
Unknown	Ox Pond Basin Area Drainage Improvements- Phase 1	Improvement of the Ox Pond Drainage Basin area. Area was built before modern storm water regulations and the area is susceptible to impossible roadways and inundation. Stagnant water in the area may also pose a health concern.	Flooding	>12 Months	Osceola County		Osceola County	2/14/2011	REMOVE PROJECT PER COUNTY ENGINEER	HMGP, PDM, SFWMD	\$500,000	
Unknown	West 192 Re-Development Project	Installation of buried cables	Lightning, Hurricane, Tornado, Severe Weather	> 24 Months	Osceola County		Osceola County	5/29/2013	REMOVE PROJECT PER EM Director REMOVE PROJECT PER COUNTY ENGINEER	HMGP, PDM	\$42,000,000	
Unknown	Traffic Signal Back-up Supply	Need a back-up power supply(generator for traffic signals at Commerce Center Drive/US192 and Kissimmee Park Rd/US192. And pigtail installation. UPS.	Hurricane, Tornado, Severe Weather	Greater than 12 Months	City of St. Cloud	Cameron Crandell Engineer I 407-957-7279	Countywide	2/16/2005	As of December 2016, the traffic signals do not have Back-up power supplies. REMOVE PROJECT PER CITY ENGINEER	HMGP	Generator: \$10,000/each Pigtail: \$2,000/each UPS: \$7,000	
9	Shingle Creek Improvements	The lower portion of Shingle Creek Basin primarily consists of older and low income communities that were established prior to comprehensive storm water implementation. This area has recurrent drainage and water quality issues. The Shingle Creek Basin study will be completed late summer 2015. The study provides recommendations for corrective action projects to address the deficiencies in the area. This project includes multiple phases of design, permitting and construction of corrective actions identified and ranked in the study.  Due to storm water/septic system conflicts, phase 1 will consist of the preliminary design and construction to address the storm water conveyance, storage and/or septic option modifications in the Big Oak Lane area south of 17-92 and east of Pleasant Hill Road. Due to the high groundwater conditions in this and neighboring areas, the septic systems have not been functioning well and high nutrient content of the conveyance system may indicate that leachate may be impacting the surface water in the community. Additional drainage projects will be sequentially designed, permitted and constructed based on priority and feasibility.	Flooding	Phase 1: 24 Months	Osceola County	Linette Matheny Assistant County Engineer	Osceola County	4/1/2015	AS of October 13, 2017 Study is completed. No additional funding. As of March 8, 2018 this project is being submitted for funding under HMGP for Hurricane Irma. Remove per Linette Matheny 01/08/2019	FDEP grants; Partnership with TWA, DOK, CDBG, PDM, HMGP, FMA	Phase 1: \$580,000	
24	Fire Logistics Warehouse	Design and Construction of a 25,000 sq. ft. warehouse facility for Fire Rescue. Fire Rescue and EMS are in need of a hardened facility to support operations of fire stations during incidents. Currently, fire logistics is housed in an at-risk metal building. The County has suitable land for this facility.	All Hazards	2 years	Osceola County	Linette Matheny Assistant County Engineer	Osceola County	2/15/2018	Under Review. As of 01/08/2019 remove from project list per Linette Matheny.	HMGP, CIP matching funds	\$3,500,000	
25	Campbell City Fire Station	Design and Construction of a 12,000 sq. ft. fire station using the County's prototype. This facility will provide a hardened structure (up to 150mph) for emergency responders during an incident. Replaces existing station which isn't storm hardened and must be evacuated during wind/storm events. The project includes land acquisition.	All Hazards	2 Years	Osceola County	Linette Matheny Assistant County Engineer	Osceola County	2/15/2018	As of June 14, 2018, this project was removed from the HMGP Irma submission letter, however it will remain in it's current position on the prioritization list. As of 01/08/2019 remove from project list per Linette Matheny.	HMGP, CIP matching funds	\$9,000,000	
29	Hammock Pointe Pipe Fortification	Line large Hammock Pointe corrugated metal piping to protect roadways and to prevent outfall obstruction.	Flooding	<12 Months	Osceola County	Linette Matheny Assistant County Engineer	Osceola County	4/1/2015	As of October 13, 2017 Awaiting funding for design & construction. As of 01/08/2019 remove from project list per Linette Matheny.	HMGP	\$419,537	
23	Austin Tindall Fire Station	Design and Construction of a 12,000 sq. ft. fire station using the County's prototype. This facility will provide a hardened structure (up to 150mph) for emergency responders during an incident. Replaces Station 51 which isn't storm hardened and must be evacuated during wind/storm events. County Currently owns suitable land.	All Hazards	2 Years	Osceola County	Linette Matheny Assistant County Engineer	Osceola County	2/15/2018	Under review. Per Linette Matheny, as of 12/13/2018 remove from the list.	HMGP, CIP matching funds	\$6,000,000	

19	Shingle Creek H&H Model Update	During the last FRM map updates, a 1 foot elevation discrepancy was identified at the Orange/Osceola County line. During the Lower Shingle Creek Basin Management Plan development, modeling efforts focused on the southern portions of Shingle Creek and West Branch Shingle Creek Basins. Orange County has also made efforts to refine the portion of the Shingle Creek basin that resides within their jurisdiction. The upper portion of both basins located within Osceola County and City of Kissimmee's jurisdiction needs to be refined then merged with all modeling efforts to create a comprehensive model for the Shingle/West Shingle Basins (20,000A). The outcome of the model update will likely impact the FIRMs for both Counties and will also provide the NWS and SFWMD with more accurate data for creek and system models.	Flooding	>3-5 Years	Osceola County	Carlos Castro Civil Engineer II	Osceola County, City of Kissimmee, City of Orlando, Orange County, SFWMD, NOAA	4/1/2015	As of December 2017 the County is still waiting for FEMA to provide new maps (this process may take 3 to 5 years). LIDAR will be able to assist once all data is uploaded and my replace the need for FEMA maps.	HMGP, City of Kissimmee, SFWMD, Orange County, NWS	\$350,000		
26	Building Maintenance Hardened Facility	Design and Construction of a 15,000 sq. ft. hardened facility for Building Maintenance. Building Maintenance supports the operations of Fire Stations, Sheriff's Facilities and EOC operations. Currently, Building maintenance does not have a hardened facility to protect personnel and equipment during an incident. The County has land for this project.	All Hazards	2 years	Osceola County	Linette Matheny Assistant County Engineer	Osceola County	2/15/2018	Under Review	HMGP, CIP matching funds	\$3,500,000		
34	Critical Facility Hardening - Osceola County Libraries (4)	Completion of retrofits/hardening with shutters & generators of four Osceola County Library locations. Will allow facility operation as ESS/DRC following impact of disaster in Osceola County. Facility locations are: Hart Memorial Library, Buena Ventura Lakes Branch, St. Cloud Branch, and Poinciana Branch	All Hazards	24 Months	Osceola County	Walter Krjuajic Facilities Mgmt. Director	Osceola County	5/9/2012	As of October 27, 2016 that the project is still being assessed by the Engineers. Due to the height of some of these buildings and amount of glass hardening will be difficult at best.	HMGP	\$300,000/each		
35	Communications Tower Site Upgrades	Towers and buildings erected in 1993. Roofs and doors built to substandard wind loads. Generators unable to sustain loading.	All Hazards	2 years	Osceola County	Linette Matheny Assistant County Engineer	Osceola County	2/15/2018	As of 06/14/2018, this project was removed from the HMGP Hurricane Irma funding submission letter and moved to the bottom of the priority list.	HMGP, CIP matching funds	\$715,000		
18	Shingle Creek Floodplain Purchase - Purchase of repetitive loss properties	Purchase of repetitive loss properties currently in the Shingle Creek Floodplain	Flooding, Drought, Hurricane	>12 Months	City of Kissimmee	Nagel Altrui City of Kissimmee/Susan Gosselin Stormwater Program Manager	City of Kissimmee, Osceola County	2/16/2005	As of November 9, 2017 Both the City of Kissimmee and Osceola County Engs say there is NO property located here as repetitive loss. Need further history to determine why this is on the list.?	HMGP, PDM, FMA, RFC, SRL	\$4,000,000		
21	Temporary Emergency Traffic Signals	Purchase of an Emergency Traffic Control Signals "Cache" including Back-up Generators to power traffic lights. Temporary signals, and signage to be used during an event where a large area may be without power.	All Hazards	>12 Months	City of Kissimmee	Nabi Muhaisen COK PW&E	City of Kissimmee, City of St. Cloud, Osceola County	2/16/2005	Waiting for update	HMGP	\$50,000		
25	Terra Condos Drainage improvements	During continuous and for heavy rain events, water collects in the middle of the complex, causing flood damage to the clubhouse, and threatening other structures. Increasing the stormwater system capacity could help alleviate the flooding.	Flooding	>12 Months	City of Kissimmee	Nagel Altrui City of Kissimmee	City of Kissimmee	2/15/2018	Under review by the City of Kissimmee for cost analysis 12/14/2018	HMGP, PDA	Cost TBD		
37	Mill Slough Mitigation	During extreme heavy rain events, the Slough reaches capacity and then sheets flows onto individual private properties, causing flood damage to structures and erosion to property. The area along the Slough would need to be analyzed, and the best method(s) determined and constructed.	Flooding	>12 Months	City of Kissimmee	Nagel Altrui City of Kissimmee	City of Kissimmee	2/15/2018	As of March 8, 2018 this project is being submitted for funding under HMGP for Hurricane Irma.	HMGP, PDA	\$3.5 Million		
38	Kissimmee Homes Drainage improvements	During continuous and for heavy rain events, water collects in the middle of the complex, causing flood damage to the clubhouse, and threatening other structures. Increasing the stormwater system capacity could help alleviate the flooding.	Flooding	>12 Months	City of Kissimmee	Nagel Altrui City of Kissimmee	City of Kissimmee	2/15/2018	Under review by the City of Kissimmee for cost analysis 12/14/2018	HMGP, PDA	Cost TBD		
31	Fire Station #32	The existing Fire Station #32 is a not-hardened, converted temporary structure. Replacement of the fire station building gives the fire department a better facility to operate from during routine services and emergency operations.	All Hazards	>12 Months	City of St. Cloud	Cameron Crandell Engineer I	City of St. Cloud	2/15/2018	Under Review	HMGP	\$5,400,000		
32	Fire Administration Building	Fire Department Administration is currently located at the active Fire Station #31. During emergencies, where extra staff and fire fighters are needed, there is not enough space and living quarters for everyone required to be there. A new Fire Administration building would allow for the full space of Fire Station #31 to be dedicated to fire fighter. Administration staff would have their own hardened facility to work during emergencies. New administration building would double as a Fire Operations Building for large-scale disasters/emergencies.	All Hazards	>12 Months	City of St. Cloud	Cameron Crandell Engineer I	City of St. Cloud	2/15/2018	Under Review	HMGP	\$2,500,000		
33	Logistics Building - Fire Department	The current Fire Logistics building is a not-hardened, converted residential building. Replacement of the logistics building allows the fire department to operate more efficiently during disasters/emergencies. The logistic building stores hard and soft EMT materials, spare bunker gear for fire fighters, and houses the Cascade system for reeling air breathing equipment.	All Hazards	>12 Months	City of St. Cloud	Cameron Crandell Engineer	City of St. Cloud	2/15/2018	Under Review	HMGP	\$750,000		
4	BVL Canal 1,2,3 Project	The project will reduce flood risk within the southern portion of BVL around canals 1,2,3. By creating a new outfall for canals 1,2,3 stormwater within BVL will not back up in the southern portion of the system resulting in residence and road flooding.	Stormwater	1-2 years	Osceola County	Susan Gosselin Storm water Program Manager	Osceola County	6/20/2018	As of June 20, 2019, This project was added to the LMS project and was voted to move forward to be placed on the Michael funding. This project was added to the Hurricane Michael HMGP request. This project was removed from the Hurricane Michael HMGP request per the request of Osceola County LMS Working Group representative Susan Gosselin due to the project not meeting Benefit to Cost requirements.	HMGP, CDBG	\$2,400,000	(75% Michael HMGP Funding) \$1,800,000	(25% Michael Cost Share) \$600,000