I. Meeting Details:

Date: 3/28/2025
Time: 10:00 am – 12:00 pm
Location: Governor's Office, Large Conference Room, Agana, Guam

II. Participants:

Lola Leon Guerrero, Director for the Bureau of Statistics and Plans

Monica Guerrero, Chief Planner for the Bureau of Statistics and Plans

Jay Doronila, District Conservationist Pacific Island Area from the United States Department of Agriculture – National Resource Conservation Service

Arnold Jose, Guam Department of Public Works

Jenelyn Albinales, Northern Soil Water and Conservation District

Lloyd Cubacub, State Hazard Mitigation Officer from the Office of Civil Defense

Micheal Terlaje, Program Manager for Civil Works for the United States Army Corps of Engineers

Margaret Aguilar, Program Coordinator for the Guam Environmental Protection Agency

Camille Quichocho, Biologist for the Bureau of Statistics and Plans Guam Coastal Management Program

Carly Champaco-Munoz, Special Projects Coordinator for the Bureau of Statistics and Plans Guam Coastal Management Program

Esther Taitague, Planner for the Bureau of Statistics and Plans – Guam Coastal Management Program

Patrick Bowsher, Forecast Meteorologist for the National Oceanic and Atmospheric Administration - National Weather Service

Joshua Schank, Meteorologist for the National Oceanic and Atmospheric Administration - National Weather Service

James E. Pangelinan III, Planner for the Bureau of Statistics and Plans - Guam Coastal Management Program

III. Minutes:

Director Leon Guerrero convened the meeting by beginning with the first agenda items on updated reports on old business from last meeting

Mr. Pangelinan thanked the involvement of Mr. Jay Doronilla from United States Department of Agriculture-Natural Resources Conservation Service, to provide updates on the Emergency Watershed Protection projects, but also for support and assistance in potential Silver Jackets projects in the future. Mr. Pangelinan thanked Mr. Jose from the Guam Department of Public Works as well for joining in the Silver Jackets meeting, as the Guam Department of Public Works is a Silver Jackets chartering member. Mr. Pangelinan shared positive sentiments towards Mr. Jose in order to reach the charter's vision to address hazards by creating solutions in order to mitigate them. Mr. Pangelinan also thanked the Office of Civil Defense's State Hazard Mitigation Officer, Mr. Lloyd Cubacub, for taking part in the Silver Jackets committee meetings.

Mr. Pangelinan moved on with the agenda on progress on non structural projects. The Guam Department of Agriculture – Forestry Soil Resource Division is working together with the United States Army Corps of Engineers to put together a tabletop exercise to address wildfires in the immediate, intermediate and long term, long term timeframe. Mr. Terlaje mentioned that they are targeting April 15 to conduct the exercise. Mr. Schank retorted, from the National Weather Service's perspective, we're trying to figure out where the department can provide support for this event or this tabletop exercise, and where and who's the best point of contact, as the exercise is fast approaching. Mr. Terlaje mentioned to connect with him via email in order to get Mr. Shchank's department in connection with our forestry partners that are leading the effort. Ms. Leon Guerrero would provide the information and let the Chief of the Department of Agricutlure - Forest Soils Resource Division be aware of the National Weather Service' request.

Mr. Pangelinan moved on to updates on non-structural projects. Beginning with the Mean Highwater Mark Campaign, Mr. Pangelinan mentioned that the project was created in order to address flooding concerns around the different municipalities on Guam. With the help of the municipal offices, he has identified 10 locations of flooding areas along the roadways. These areas are in the consultation process with the State Historic Preservation Office. Mr. Terlaje shared that he is targeting the end of April to have all State Historic Preservation Officer clearances in order to get these signs installed. Mr. Terlaje shared the sentiment that he will be looking towards Guam Department of Public Works for their support in getting the signs put in the locations that were targeted. Ms. Aguilar asked for a recap of what the Mean Highwater Mark Campaign entails. Mr. Terlaje stated that flood warning signs would warn commuters of where flooding occurs during heavy rain events. Mr. Terlaje further stated that consultation was done with village mayors to pinpoint certain roads that were, whether it be during heavy random rain events or during typhoons, inundated by stormwater flooding. The intent of the project is to install flood signs giving warning to motorists driving

along these roadways that tend to flood. Mr. Terlaje also stated that another phase of that project is pinpointing the different depths of these flood areas to put as a marker, so that measurements of how high the water gets at certain points of these major thoroughfares can be obtained. Ms. Aguilar asked if there will be any media announcement made to let the public know that these signs are going to be installed and that they were available. Mr. Terlaje stated that this question has been observed. Ms. Leon Guerrero mentioned that a press release will be done in coordination with the Office of the Governor. Ms. Leon Guerrero inquired to Mr. Terlaje the method of installation of the flood signs. Mr. Terlaje responded that the installation of signs would require digging to a certain depth, and the signs will utilize a square drilling bracket. What is needed with the Department of Public Works is the assistance of digging and concrete placement. Mr. Aguilar stated that she is looking forward to seeing those flood signs along the roadways. Mr. Jose inquired if there are tentative locations of all the proposed signs, as clearances with the telecom and utilities would need to be made with his office. Mr. Pangelinan responded that he would share that information with Mr. Jose.

Moving on to the next item on the agenda, Mr. Pangelinan shared that the initial flood calculation tool training workshop was done in November last year. And based on participants' response, it was mentioned that extended training should be provided, as the flood calculation tool itself is quite comprehensive. The Bureau of Statistics and Plans-Guam Coastal Management Program plans to include a mini workshop on the flood calculation tool during the Assembly of Planners in August 2025. However, the Guam Executive Office is working to provide that training workshop sooner. Mr. Terlaje shared that a member from the Architect and Engineering Society was interested in how the flood calculation tool is used. Mr. Terlaje further mentioned that the federal government, however, has shut minimized travel, so the United States Army Corps of Engineers is not able to get them in to facilitate the training session. He also shared that he'll be looking towards working with Mr. Pangelinan, to see if there's a way that we could possibly do one for the architects and the engineers and see if that might be a way to work on it. Ms. Leon Guerrero inquired if we could include Government of Guam employees in the training. Mr. Terlaje stated that the training to the architects and engineers would be using a different perspective to cater to their work, but he will take a look at adding them to the invitation. Ms. Aguilar inquired if both training sessions stated earlier would be the same. Ms. Leon Guerrero stated that one would be for Government of Guam employees (the reviewer's perspective), and the other one would be the designers. I think the idea was to just have training for the architects and engineers on the design side.

Ms. Leon Guerrero proceeded to the next agenda item regarding updates on the Finile Project from Mr. Terlaje. He stated, at this point, the United States Army Corps of Engineers has completed the hydraulic analysis and the modeling. Based on previous site visits, the United States Army Corps of Engineers is inputting additional conditions into the hydraulic model. He will reach out to United States Army Corps of Engineers personnel to gain any new information, and he stated that the United States Army Corps of Engineers is still on track with the project timeline from the last time he checked in with the team. Ms. Leon Guerrero asked if he could provide further details in regards to the status of the project, as every quarter, the Bureau of Statistics and Plans needs to provide Guam Homeland Security with the progress update performance report. She asked if Mr. Terlaje can share the information to James so that the Bureau of Statistics and Plans can submit the performance reports to the Guam Homeland Security. Mr. Terlaje confirmed that he would do so.

Mr. Pangelinan proceeded with the next agenda item regarding updates on Federal Emergency Management Agency FIRM and other GIS data. As the Federal Emergency Management Agency representative was not present, the meeting moved on to the next agenda item regarding the status updates on the Manell River Project in which Mr. Terlaje elaborated on. Mr. Terlaje stated that the United States Army Corps of Engineers is working on developing the tentatively selected plan. The targeted date to have the TSP finalized is June 2025, possibly sooner. The United States Army Corps of Engineers will be making a formal report to the Bureau of Statistics and Plans to ensure that Bureau of Statistics and Plans is aware of the alternatives and final solutions that would be moving forward with.

Ms. Leon Guerrero moved on to the next agenda item regarding the status of the Agat Shoreline Protection project, an emergency coastal protection project. Mr. Terlaje stated that the United States Army Corps of Engineers is finalizing the report, and the United States Army Corps of Engineers has conducted all environmental assessments that were required. The United States Army Corps of Engineers has selected a plan that would mitigate the issue. The final report has been submitted to United States Army Corps of Engineers Headquarters, but Mr. Terlaje stated he does need to attach a letter of interest from the Government of Guam, reconfirming that they're still supportive of the selected mitigation plan and would need a financial self certification from the Government of Guam as well. Mr. Terlaje shared that he is working with the Deputy Director of the Bureau of Statistics and Plans to gather these documents.

Mr. Pangelinan moved on to getting updates on the East Agana Seawall project. Mr. Terlaje shared that there were federal funding delays as it was not being received through the United States Army Corps of Engineers's financial system, normally. The issue has just recently been resolved. Mr. Terlaje mentioned that the United States Army Corps of Engineers will be releasing the draft environmental report and plan selection, and conduct a community outreach meeting to gain any feedback from the community on any concerns regarding the project. The final plan selection is to utilize a concrete, precast concrete sea wall. Mr. Terlaje shared that he'll have more details about the design in the future.

Mr. Pangelinan moved on to updates on the Umatac River Stabilization project. Ms. Leon Guerrero remarked that the Bureau of Statistics and Plans has identified Department of Interior IRA funding. There has been a pause on this project as the Department of Interior has stated that we are unable to move forward with the project at this time. Ms. Leon Guerrero inquired if the Bureau of Statistics and Plans would be working with the United States Army Corps of Engineers on the project. Mr. Terlaje stated that the United States Army Corps of Engineers was picked to work with the Bureau of Statistics and Plans on the project. However, we haven't finalized a formal agreement at this time. Ms. Leon Guerrero stated that we will be submitting a proposal under BRIC funding for this particular project. She further stated that all the parties involved in the project will have to turn around and come back to this. Ms. Leon Guerrero stated to the meeting members that more information will be provided, possibly at the next silver jacket meeting. Mr. Cubacab clarified that the application submission deadline for BRIC is March 28, and the deadline for the Notice of Interest is April 18. Ms. Leon Guerrero mentioned that the Bureau of Statistics and Plans is working with all of the information provided by Stephanie, and will converse with her.

Mr. Pangelinan moved on to the next agenda item regarding the status of emergency watershed protection projects. Mr. Doronila stated, as of January 11th 2025, four out of six Emergency Watershed Protection project designs and cost estimates are 90% complete and include: Justo Sotomil, Santa Rita; Nimitz Hill; Robert Wescom, Santa Rita, and Lee Stahli, Yona. Two sites potentially eligible for buyout are Carmen Mesa, Nimitz Hill and Sammy Ibit, Santa Rita. Both projects were considered for buyouts due to the extensive amount of work that would be needed to stabilize and protect the homes. Both had their foundations exposed due to erosion. In Nimitz Hill, the Carmen Mesa property that is eligible for a buyout. So that the how the buyouts come about is when the structures are beyond repair--and in this case, the foundation for the house was exposed--and the cost to stabilize that area is more than what the actual house was worth, a consideration of a buyout is being entertained. There are talks with the landowner right now, and they're working with the office in Hawaii to close this matter. Mr. Jose inquired if it would be possible to gain information on the design and cost estimates via email. Mr. Doronila confirmed that it is possible. Mr. Doronila further stated, John Matthews, Hawaii's state engineer, is working on a no-cost extension agreement and there may be works with the sponsor on using IDQ contractor. Further information will be provided to Mr. Jose Quinata and Mr. Jose of the Department of Public Works by Mr. Doronila.

Mr. Pangelinan asked if there were any current issues or lingering questions at this point of the meeting. Mr. Cubacub stated as this is his initial Guam Silver Jackets meeting he is attending, he would like to inquire as to what his, along with his department, role will be to provide input in future convening Silver Jackets meetings. Director Leon Guerrero addressed his inquiry by stating that if there were any potential projects to address Guam's hazards utilizing Federal Emergency Management Agency grant funding that the Guam Executive Office has in mind, you can share those proposals with this group. In addition, Director Guerrero stated that the Silver Jackets would look to his expertise when formulating projects that can be potentially Federal Emergency Management Agency grant funded. Mr. Cubacub thanked the Director of Bureau of Statistics and Plans and provided reassurance that he and his office will be here to help and assist in these endeavors.

After no further questions or concerns were brought, Mr. Pangelinan moved on to the next agenda item regarding addressing any flood policy issues the members were aware of that they would like to speak on. Mr. Pangelinan began by mentioning that at the last Silver Jackets meeting, a discussion on the exemption of stormwater management systems within parental subdivisions had been brought for further examination. Mr. Jose had inquired if there were meeting minutes from previous meetings regarding this discussion, as he was not present. Mr. Pangelinan gave a brief overview of the matter from the last two Silver Jackets meetings. This issue had been raised as the exemption of parental subdivisions requiring stormwater management lead to a negative cumulative impact, as these are densely developed spaces. Mr. Pangelinan further stated that that was based on his understanding. It was brought up that the Guahan 2050 Sustainability Plan would help to address this issue as the plan provides a guide for development for different lot designations. Director Leon Guerrero stated that this topic is up for further discussion at the next Silver Jackets meeting. Director Leon Guerrero further stated that Bureau of Statistics and Plans has a consultant that was contracted to assist in the development of the Guahan 2050 Sustainability Plan and will be reaching out to Government of Guam entities for input, with the Bureau of Statistics and Plans Chief Planner, Ms. Monica Guerrero, leading that effort. The Bureau of Statistics and Plans will be reaching out to the Government of Guam agencies to assist in reviewing components of the draft sustainability plan. Mr. Jose shared a concern in line with issues regarding parental subdivision development, specifically regarding

single-housing developments backfilling to the extent that it negatively impacts older surrounding properties, and he hopes his issue can be discussed more thoroughly in what we can do to address backfilling permits by addressing more considerations than the factors that are considered currently. The attitude right now is that as long as the developer builds themselves in, the developer can build without issues, but this perspective negatively impacts the surrounding properties. Mr. Pangelinan thanked Mr. Jose for the considered policy issue and will be included in the next meeting agenda.

Mr. Pangelinan moved on to the next agenda item regarding projects and proposal updates. Mr. Pangelinan requested any updates on Guam Coastal Management Program's two project proposal updates under the United States Army Corps of Engineers Floodplain Management Services from Mr. Terlaje. The project proposals included a high resolution mapping for the village of Santa Rita, and the other for Tumon Bay, in order to to understand the extent of base basement basins, to show the extent of the upland areas that discharge into Tumon via freshwater seeps. Mr. Terlaje stated that project proposals are at a standstill with the federal government. Mr. Terlaje further stated that although both proposals were submitted, the United States Army Corps of Engineers has no timeframe of when project proposals will be awarded funding. The current standstill has been going on for a couple of months. Director Leon Guerrero also mentioned that we have other grants that are on hold, and thanked Mr. Terlaje for his update.

Mr. Pangelinan moved on to the next agenda item in regards to establishing subcommittees for rendering future Guam Silver Jackets project proposals. As it is unclear who will be involved within each subcommittees, it was best to acknowledge this idea as it was brought up during the prior meeting. Further details as to what each subcommittee's responsibilities entails will be tabled for the time being and will continue this concept at the next meeting. Director Leon Guerrero quickly remarked that the idea of the subcommittees is to have federal and local partnering agencies serve in one or more of these committees, and this will be addressed at the next Silver Jackets meeting.

Director Leon Guerrero moved on to discussing the next agenda item on final thoughts partners would like to share. Ms. Aguilar shared that in regards to coastal projects, she will be reaching out to Mr. Terlaje regarding the water quality certification for those projects, because at this time, there are no federal permits associated with a number of projects. Ms. Aguilar further stated that her agency is trying to localize Guam Environmental Protection Agency's approach to this subject and will be looking towards further discussion with Mr. Terlaje regarding this concern. Mr. Terlaje thanked Ms. Aguilar for bringing up the subject and will be looking forward to addressing any issues regarding the subject with Guam Environmental Protection Agency.

Director Leon Guerrero inquired to the meeting members if there were any other final thoughts that would like to be shared. Ms. Albinales shared that the Northern Soil Water Conservation District has applied for a National Fish and Wildlife Foundation grant called the Coral Reef Stewardship Fund, and has received an invitation to submit a full project proposal. Ms. Albinales will be sending out letters of support to the members to see if they may be interested. The project is called the Agricultural Stewardship for Coral and Aquifer Health and includes Natural Resources Conservation Service funding to conduct soil mitigation actions for agricultural producers. This $200,000 project also includes soil testing for pollutants and cleanups to mitigate pollution that goes into the Tumon Bay Reserve. Ms. Albinales acknowledged the

discussions Ms. Aguilar is involved with non-point source pollutant discussions and feels strongly positive about the impacts the project can provide in that vein. Ms. Albinales also shared that the project would tackle “legacy” and “forever chemicals” which has an impact on preventing future contamination within water production wells. Ms. Albinales ended by mentioning that the Northern Soil Water and Conservation District will be looking forward to seeing those who want to help support the project.

After no further final thoughts were shared, Director Leon Guerrero moved on to citing action items to be completed based on the discussions that were held.

Action Items:

- Establish communication between the National Oceanic and Atmospheric Administration-National Weather Service and the Department of Agriculture - Forestry Soil Resources Division Chief to understand the information needed from National Weather Service for the Apr 15, 2025 Tabletop Exercise on Wildfires.
- The Bureau of Statistics and Plans Director will communicate with the Department of Public Works regarding support and needs from the Department of Public Works for the Mean High Watermark Campaign flood sign installations. The press release/conference regarding what this project entails and first installations will be done in partnership with the Office of the Governor and the United States Army Corps of Engineers.
- Mr. Pangelinan will provide Mr. Jose the location for where the flood signs will be installed
- Regarding the flood calculation tool training for the regulatory agencies, Mr. Pangelinan
- Mr. Terlaje will provide updates on the Finile Feasibility Study project so the Bureau of Statistics and Plans can submit a performance progress report to Guam Homeland Security.
- The Bureau of Statistics and Plans Director will work with the Bureau of Statistics and Plans Deputy Director to submit the Letter of Intent for the Agat Mayor’s Compound Shoreline Protection Study.
- Mr. Pangelinan will be communicating with Mr. Terlaje to gain updates on the two project proposals under the United States Army Corps of Engineers Floodplain Management Services.
- The Bureau of Statistics and Plans Director will follow up with Guam Homeland Security regarding the Umatac Stabilization project under the Federal Emergency Management Agency BRIC grant.

Director Leon Guerrero stated that the next Silver Jackets will be tentatively scheduled for June 26, 2025, at 10:00 am, in the Governor’s Large Conference Room in Adelup. The Silver Jackets meeting was adjourned.