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COUNTY OF MAUI  
**DEPARTMENT OF PUBLIC WORKS**  
200 SOUTH HIGH STREET, ROOM NO. 434  
WAILUKU, MAUI, HAWAII 96793

RECEIVED

GLEN A. UENO, P.E., P.L.S.  
Development Services Administration

CARY YAMASHITA, P.E.  
Engineering Division

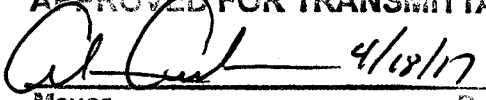
JOHN R. SMITH, P.E., ACTING  
Highways Division

2017 APR 18 PM 3:28

OFFICE OF THE  
COUNCIL

April 18, 2017

Ms. Lynn A.S. Araki-Regan  
Budget Director, County of Maui  
200 South High Street  
Wailuku, Maui, Hawaii 96793

APPROVED FOR TRANSMITTAL  
  
\_\_\_\_\_  
Mayor Date

Honorable Alan M. Arakawa  
Mayor, County of Maui  
200 South High Street  
Wailuku, Maui, Hawaii 96793

For Transmittal to:

Honorable Riki Hokama, Chair  
Budget and Finance Committee  
Maui County Council  
200 South High Street  
Wailuku, Maui, Hawaii 96793

Dear Chair Hokama:

**SUBJECT: REQUESTS/QUESTIONS FROM THE APRIL 11, 2017  
MEETING (PW-1) (BF-1)**

This is in response to your April 12, 2017 letter regarding the above subject matter. Our Department offers the following responses:

1. *Why are the Kalana O Maui Air Conditioning Duct Cleaning (FY2021) and Old Courthouse Air Conditioning Duct Cleaning (FY2020) identified as CIP projects instead of repair and maintenance?*

The Air Conditioning Duct Cleaning should be classified as repair and maintenance and not CIP. These projects will be omitted from the current CIP list. If it becomes necessary in the future, funding will be requested under operations and not CIP.

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*How often are the ducts cleaned? (RH, SC)*

With regular maintenance of the air conditioning systems, duct cleaning is typically not necessary. Currently, our air conditioning maintenance contracts include replacing filters monthly. The purpose of the filters is to remove particles from the outside air and return air keeping the ducts clean. In addition, we have installed UV lights in the air handlers to prevent mold/mildew growth in the ducts. We will continue to monitor and request future duct cleaning funding if and when it becomes necessary.

2. *What is the status of the sprinkler system for the 7<sup>th</sup> and 8<sup>th</sup> floor? Is funding available for the project? (MW)*

There are three (3) major areas of the County Building fire sprinkler system that still need to be completed. All were included in the Kalana O Maui Fire Sprinkler, Phase 2 project which was bid out at the end of last year. Unfortunately, we did not have sufficient funds to execute the contract. Total bid cost of the project was \$1,231,255.33. The project scope included the following:

- a. Eighth (8<sup>th</sup>) Floor Fire Sprinkler System;
- b. Seventh (7<sup>th</sup>) Floor Clean Agent System (for all 7th floor storage rooms and electrical room); and
- c. Sprinkler Installation and Asbestos Abatement for restrooms of the County Building.

Currently, we do not have funding for the three (3) projects above. We are requesting funding for the 7th Floor Clean Agent System as part of CBS-1032 CW Facilities Building Improvements in FY 2018. If approved, this portion will be packaged and bid out as a separate project. Funding for the other two (2) portions will be requested in FY 2019.

3. *For each Countywide CIP (pages 709 through 714 of the Program Budget), provide an itemized list of projects and estimated costs. (MW)*

CBS-1027 Countywide Drainage Improvements:

This fund is used for emergency projects such as stream/gulch repair sinkholes, design/construction contract additional work and small drainage repair projects under \$100,000.

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If there are any funds left after the rainy season, we will use the remaining funds to repair drainlines in Central Maui.

CBS-1032 CW Facility Building Improvements, projects include the following:

- a. Design and Construction for Kalana Pakui Building Air Conditioning Improvements (\$250,000);
- b. Construction for the Clean Agent System for the 7<sup>th</sup> Floor of the County Building (\$200,000);
- c. Design for Improvements to the A/C Chiller Piping (\$25,000); and
- d. Supplement (as needed) for other ongoing building projects that are currently under construction or under design (\$25,000).

CBS-1023 Countywide Road Resurfacing and Pavement Preservation:

- a. Wailuku/Kahului District Resurfacing (\$300,000);
- b. South Maui District Resurfacing (\$600,000);
- c. Upcountry District Resurfacing (\$300,000);
- d. Paia/Haiku District Resurfacing (\$300,000);
- e. West Maui District Resurfacing (\$300,000);
- f. Hana District Resurfacing (\$300,000);
- g. Molokai District Resurfacing (\$200,000);
- h. Lanai District Resurfacing (\$200,000); and
- i. Miscellaneous smaller resurfacing projects (\$500,000).

CBS-1024 Countywide Safety Improvements, projects include:

- a. Kahului Fire Station Sidewalk (\$105,000);
- b. Guardrail and Shoulder Improvements at Various Locations (\$195,000);
- c. Speed Tables – Kaluanui Road and Kanani Road (\$20,000);
- d. Four (4) Lane Roadway Safety Analysis – Lower Main Street and Kanaloa Avenue (\$75,000); and
- e. Data Collection at Various Locations (\$100,000).

CBS-1034 Countywide Pavement Preservation:

Slurry Seal of Piilani Villages Phase 2 and 3 - \$300,000.

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CBS-1036 Countywide Bikeway Improvements, projects include:

- a. Kihei District Bike Route Improvements (\$20,000);
- b. Kahului District Bike Route Improvements (\$40,000); and
- c. Wailuku District Bike Route Improvements (\$30,000).

4. *Why is there no funding request for Countywide Bridges, Countywide Sidewalks, and Countywide Traffic Calming Programs? (RH)*

This decision was made through a collaborative effort with the Administration. Funding constraints required prioritization of Countywide programs and these projects did not make the final cut.

5. *Explain whether Federal Funds are available for the Waiopai Bridge Repairs Project (CBS-4598). (RC)*

Federal funds for Federal Fiscal Year 2018 are not available for this project. The fiscally constrained Statewide Transportation Improvement Program (STIP) budget cannot accommodate additional projects.

6. *Please provide a breakdown for the \$500,000 Other Cost Categories (Expenditures) for Keanae Road Safety Improvements (BVS-2769). (MW)*

The entire \$500,000 (estimate) will be used for Construction Management.

7. *Are the CIP Ditch Improvements at Waipoli Road (CBS-3187) a duplicate of the appropriation in the FY 2017 Budget? (YS)*

Yes. Initially the project construction cost was estimated to cost \$800,000. Upon completion of the preliminary design, it was determined that additional funds will be needed to repair the ditch. The Department of Public Works (DPW) originally pursued a concrete-lined ditch project, estimated to cost \$2,000,000. For cost reduction and safety reasons, the project scope was revised to a drainline option, estimated to cost \$1,600,000.

The high project cost is attributed to the requirement to overexcavate and import backfill for the drainline. A subsurface investigation revealed the presence of volcanic ash deposits at the site. This material is highly erodible and unsuitable to support the drainage ditch repairs. The design requires

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overexcavating the in-place material and importing structural backfill. Additionally, the subsurface profile includes sections of basalt rock which will be costly to excavate.

The project design is approximately 75% complete, with no major State of Hawaii or Federal permits pending. Should the additional \$800,000 be approved, the project will be advertised for bids utilizing FY 2017 and FY 2018 funding.

8. *How much was expended for the in-house design for the Hiolani Street Drainage Improvements (CBS-3188)? (RH)*

The design was actually by a consultant for \$160,226 using FY 2016 and FY 2017 Countywide Drainage funds. We apologize for indicating the design was done in-house.

9. *Why is the County paying the majority of the cost for the Iao Stream Drainage (CBS-1070) for what appears to be an Army Corps of Engineers design defect? (EC)*

As the non-Federal sponsor of the Iao Stream Flood Control Improvements project, the County of Maui is obligated to participate in a cost-sharing agreement with the U. S. Army Corps of Engineers for the design and construction of the project, per Section 103 of the Water Resources Development Act of 1986. The \$500,000 requested will cover the County of Maui's 35% share to complete the design and permitting of the project. The most recent construction cost estimate is a total of \$20M, with the County's share estimated to be \$7M, excluding any potential land acquisition cost.

10. *Is the Iao Stream Drainage CIP (CBS-1070) the same project that is listed on the CIP report? (AA)*

No, CBS-1070 is not the same project as shown on the CIP report. The project listed on the report was for surveying the boundary of Iao Stream and possible land acquisition.

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11. *What is the breakdown for the \$320,835 in Prior Year Expenditures/ Encumbrances for Cost Categories (Expenditures) for the Central Maui Drainline Repairs (CBS-3189)? (SC)*

The \$320,835 was used for the construction of the Kilou Street Drainline Repair project, completed in October, 2016. Approximately 720 feet of drainline was replaced along Kilou Street, Iwaena Street and Hiahia Street in the Oceanview Estates subdivision. This area had six (6) sinkholes in one (1) calendar year due to the deteriorated condition of the existing corrugated metal drainlines.

The remaining \$529,164.83 is earmarked for the construction of the Wakea Avenue and Hoohana Street Drainline Replacement project. This project was designed in-house and bid in September, 2016, but the contract has not been awarded because a portion of the project's funding from the FY 2017 Countywide Drainage fund has not been reimbursed after the September flood event expenditures. The Wakea Avenue and Hoohana Street intersection has had multiple sinkholes, and a steel plate from 2015 has been in place while the project awaits funding.

Approval of FY 2018 funds for this item will allow DPW to replace drainlines in other areas with sinkholes, such as Molokai Akau Street, Pohaku Street and the Wakea Avenue and Alamaha Street intersection.

Should you have any questions, please feel free to contact me at Ext. 7845.

Sincerely,



DAVID C. GOODE  
Director of Public Works

DCG:jso  
Attachment  
xc: Engineering Division  
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