

MICHAEL P. VICTORINO
Mayor

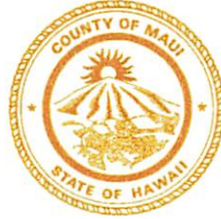
ROWENA M. DAGDAG-ANDAYA
Director

JORDAN MOLINA
Deputy Director

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COUNTY OF MAUI
DEPARTMENT OF PUBLIC WORKS
200 SOUTH HIGH STREET, ROOM 434
WAILUKU, MAUI, HAWAII 96793

June 28, 2021

RECEIVED

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OFFICE OF THE
COUNTY CLERK

Honorable Michael P. Victorino
Mayor, County of Maui
200 South High Street
Wailuku, Maui, Hawaii 96793

APPROVED FOR TRANSMITTAL

Michael P. Victorino 6/29/21

Mayor Date

For Transmittal to:

Honorable Alice L. Lee, Council Chair
and Members
Maui County Council
200 South High Street
Wailuku, Maui, Hawaii 96793

Dear Council Chair Lee and Members:

**SUBJECT: MARCH 2021 FLOODING EVENT
PLAN FOR EMERGENCY FUNDING USE**

In accordance with provisions of Ordinance No. 5214 pertaining to the use of the Emergency Fund, the Department hereby submits its plan for emergency funding use.

Scope of Work

The Department has identified six (6) emergency repair projects for which emergency funding will be used. The projects are listed in the following table along with the most recent cost estimates and the current status. Also, attached to this correspondence are project sheets that provide additional information for each of the projects.

COUNTY COMMUNICATION NO. 21-351

Honorable Michael P. Victorino
 For Transmittal to:
 Honorable Alice L. Lee, Council Chair
 and Members
 June 28, 2021
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Project Name and Job Number	Estimated Cost	Status
Emergency Repair of Kealakapu Road (JN: 21-54)	\$302,459.00	Bid opening: June 3, 2021
Emergency Repair of Kaupakalua Road in the Vicinity of Lepo Street (JN: 21-48)	\$879,575.00	Bid opening: Phase 1: June 24, 2021 Phase 2: TBD upon obtaining land rights
Emergency Repair of Awalau Road (JN: 21-50)	\$1,725,000.00	Bid opening: June 25, 2021
Emergency Slope Repair at Haiku Road Near Hog Back Road (JN: 21-52)	\$4,980,025.00	Bid opening: June 22, 2021
Emergency Kaupakalua Bridge Replacement (JN: 21-49)	\$4,325,000.00	Bid opening: June 21, 2021
Emergency Repair of Pi'ilani Highway Culverts near Nu'u Bay (JN: 21-53)	\$2,380,000.00	Bid opening: June 23, 2021
TOTAL:		\$14,592,059.00

The current cost estimate for the emergency repair projects is \$14.6 million. A total of \$17 million is currently appropriated for these projects: Nine million dollars (\$9M) from the Emergency Fund (Fiscal Year 2021) and \$8 million in Federal Emergency Management Agency (FEMA) grants (FY 2022). The Department will utilize the FEMA grants to the maximum extent possible to minimize its use of the Emergency Fund. However, a significant portion of the \$8 million Emergency Fund appropriation will be used because not all the repair projects are eligible for FEMA reimbursement and the reimbursements do not cover the entire project costs. The final reimbursement totals will not be known until after the repair projects are completed.

Cost Recovery

The Department evaluated whether any private properties caused or contributed to the damages that resulted to the County's infrastructure. The findings of the evaluations are provided in the table below.

Project Name and Job Number	Recovery Plan
Emergency Repair of Kealakapu Road (JN: 21-54)	Not applicable, but project is eligible for FEMA reimbursement.
Emergency Repair of Kaupakalua Road in the Vicinity of Lepo Street (JN: 21-48)	Not applicable.

Honorable Michael P. Victorino
For Transmittal to:
Honorable Alice L. Lee, Council Chair
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Project Name and Job Number	Recovery Plan
Emergency Repair of Awalau Road (JN: 21-50)	Not applicable, but project is eligible for FEMA reimbursement.
Emergency Slope Repair at Haiku Road Near Hog Back Road (JN: 21-52)	Not applicable, but project is eligible for FEMA reimbursement.
Emergency Kaupakalua Bridge Replacement (JN: 21-49)	Not applicable, but project is eligible for FEMA reimbursement.
Emergency Repair of Pi'ilani Highway Culverts near Nu'u Bay (JN: 21-53)	Not applicable.

If you have any questions regarding this matter, please contact me at ext. 7845.

Sincerely,



ROWENA M. DAGDAG-ANDAYA
Director of Public Works

RMDA/JM:jso

Attachments

cc: Michele Yoshimura, Budget Director

Scott Tengan, Finance Director

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County of Maui

Fiscal Year 2022-2027 Capital Improvement Program

CBS No: CBS-6660

Project Name: Emergency Repair of Kealakapu Road

Department: Department of Public Works

District: Makawao-Pukalani-Kula

Project Type: Road Improvements

Anticipated Life: 20 years



Prior Years	Appr	Ensuing	Subsequent Years					Total
Expend/Encb	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	6-Year
0	0	302,459	0	0	0	0	0	302,459

PROJECT DESCRIPTION

Funding for the reconstruction of the pavement at Kealakapu Road.

PROJECT JUSTIFICATION

The existing asphalt was washed out from the March 2021 storm event.

STRATEGIC PLAN ALIGNMENT

Department's Strategic Plan

Countywide Priority Results

Goal 2, Objective 1:
Rehabilitate and maintain county road and bridge infrastructure on a regular basis to maximize the lifespan of such infrastructure.

A Prepared, Safe, and Liveable County
A Healthy and Sustainable Community

Operating Impact Narrative

Reduced patching and repair of the road.

FUNDING DETAILS

Phase Description	Fund Code	Appr	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
New Construction	HF	0	302,459	0	0	0	0	0

Schedule of Activities

Activity	Start	End	Amount
New Construction	07/05/2021	10/31/2021	302,459
Total Capital Project Costs			302,459
Total O&M Costs			0
Total Capital & Operating Costs			302,459

Methods of Financing (Ensuing + 5 Years)

Funding Source	Amount
Highway Fund	302,459
Total Funding Requirements	302,459

Department: Department of Public Works

District: Makawao-Pukalani-Kula

County of Maui
Fiscal Year 2022-2027 Capital Improvement Program

Project Name: Emergency Repair of Kaupakalua Road in the Vicinity of Lepo Street

Department: Department of Public Works

District: Countywide

Project Type: Road Improvements

Anticipated Life: 50 years



Prior Years	Appr	Ensuing	Subsequent Years					Total
Expend/Encb	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	6-Year
0	0	879,575	0	0	0	0	0	879,575

PROJECT DESCRIPTION

Repair of the shoulder at Kaupakalua Road east of Lepo Street. An existing culvert overtopped and runoff eroded the shoulder. Construction of soil nail walls, repair of the culvert wingwalls, construction of a stabilized slope and guardrail is required.

PROJECT JUSTIFICATION

The roadway has a vertical drop-off at the shoulder and must be restored for the safety of pedestrians and motorists.

STRATEGIC PLAN ALIGNMENT

Department's Strategic Plan	Countywide Priority Results
Goal 2, Objective 1: Rehabilitate and maintain county road and bridge infrastructure on a regular basis to maximize the lifespan of such infrastructure.	A Prepared, Safe, and Liveable County A Healthy and Sustainable Community

Operating Impact Narrative

No anticipated impact.

FUNDING DETAILS

Phase Description	Fund Code	Appr	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Design	HF	0	135,575	0	0	0	0	0
New Construction	HF	0	650,000	0	0	0	0	0
Other	HF	0	94,000	0	0	0	0	0

Schedule of Activities

Activity	Start	End	Amount
Design	04/01/2021	04/01/2022	135,575
New Construction	07/05/2021	07/05/2022	650,000
Other	07/05/2021	07/05/2022	94,000
Total Capital Project Costs			879,575
Total O&M Costs			0
Total Capital & Operating Costs			879,575

Methods of Financing (Ensuing + 5 Years)

Funding Source	Amount
Highway Fund	879,575
Total Funding Requirements	879,575

County of Maui
Fiscal Year 2022-2027 Capital Improvement Program

Project Name: Emergency Repair of Awalau Road
 Department: Department of Public Works
 District: Countywide
 Project Type: Road Improvements
 Anticipated Life: 50 years



Prior Years	Appr	Ensuing	Subsequent Years					Total
Expend/Encb	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	6-Year
0	0	1,725,000	0	0	0	0	0	1,725,000

PROJECT DESCRIPTION

A 150-foot segment of Awalau Road and shoulder eroded after runoff from an adjacent drainageway overtopped during a severe storm event. A concrete pavement section will be installed to prevent any future damages to the road and grouted rubble paving will be installed to replace the eroded shoulder. The bridge culvert also sustained damages; guardrails will be replaced and undermining at the abutments will be repaired.

PROJECT JUSTIFICATION

The road and culvert need to be repaired to provide safe access for the residents living in the area.

STRATEGIC PLAN ALIGNMENT

Department's Strategic Plan

Countywide Priority Results

Goal 2, Objective 1:
 Rehabilitate and maintain County road and bridge infrastructures on a regular basis to maximize the lifespan of such infrastructure.

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Operating Impact Narrative

No anticipated impact.

FUNDING DETAILS

Phase Description	Fund Code	Appr	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Design	HF	0	200,000	0	0	0	0	0
New Construction	HF	0	1,300,000	0	0	0	0	0
Other	HF	0	225,000	0	0	0	0	0

Schedule of Activities

Activity	Start	End	Amount
Design	04/01/2021	02/28/2022	200,000
New Construction	07/01/2021	12/31/2021	1,300,000
Other	07/01/2021	02/28/2022	225,000
Total Capital Project Costs			1,725,000
Total O&M Costs			0
Total Capital & Operating Costs			1,725,000

Methods of Financing (Ensuing + 5 Years)

Funding Source	Amount
Highway Fund	1,725,000
Total Funding Requirements	1,725,000

CBS No: CBS-6663

County of Maui
Fiscal Year 2022-2027 Capital Improvement Program

Project Name: Emergency Slope Repairs at Haiku Road Near Hog Back Road

Department: Department of Public Works

District: Paia-Haiku

Project Type: Road Improvements

Anticipated Life: 50 years



Prior Years	Appr	Ensuing	Subsequent Years					Total
Expend/Encb	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	6-Year
0	0	4,980,025	0	0	0	0	0	4,980,025

PROJECT DESCRIPTION

Repair of the eroded slopes, roadway, and guardrail at Haiku Road near Hog Back Road. Work will require fallen tree and debris removal.

PROJECT JUSTIFICATION

Heavy rains and runoff from the March 8, 2021 storm eroded the mauka slope, which destabilized a large eucalyptus tree, causing it to fall across the roadway and tear into the existing guardrail. A portion of the roadway was also washed out. The project is needed to restore two-way traffic at this location.

STRATEGIC PLAN ALIGNMENT

Department's Strategic Plan

Countywide Priority Results

Goal 2, Objective 1:
Rehabilitate and maintain county road and bridge infrastructure on a regular basis to maximize the lifespan of such infrastructure.

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Operating Impact Narrative

No anticipated impact.

FUNDING DETAILS

Phase Description	Fund Code	Appr	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Design	HF	0	182,000	0	0	0	0	0
New Construction	HF	0	4,172,025	0	0	0	0	0
Other	HF	0	626,000	0	0	0	0	0

Schedule of Activities

Activity	Start	End	Amount
Design	04/01/2021	04/01/2022	182,000
New Construction	07/05/2021	07/05/2022	4,172,025
Other	07/05/2021	07/05/2022	626,000
Total Capital Project Costs			4,980,025
Total O&M Costs			0
Total Capital & Operating Costs			4,980,025

Methods of Financing (Ensuing + 5 Years)

Funding Source	Amount
Highway Fund	4,980,025
Total Funding Requirements	4,980,025

Department: Department of Public Works

District: Paia-Haiku

County of Maui
Fiscal Year 2022-2027 Capital Improvement Program

CBS No: CBS-6664

Project Name: Emergency Kaupakalua Bridge Replacement
Department: Department of Public Works
District: Paia-Haiku
Project Type: Drainage
Anticipated Life: 50 years



Prior Years	Appr	Ensuing	Subsequent Years					Total
Expend/Encb	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	6-Year
0	0	4,325,000	0	0	0	0	0	4,325,000

PROJECT DESCRIPTION

Replace the existing Kaupakalua Bridge, east abutment and roadway approach.

PROJECT JUSTIFICATION

The bridge, east abutment and roadway approach was washed away.

STRATEGIC PLAN ALIGNMENT

Department's Strategic Plan

Countywide Priority Results

Goal 2, Objective 1:
Rehabilitate and maintain county road and bridge infrastructure on a regular basis to maximize the lifespan of such infrastructure.

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Operating Impact Narrative

The proposed bridge will require less maintenance. We are proposing to install a steel bridge. The existing bridge was constructed of timber.

FUNDING DETAILS

Phase Description	Fund Code	Appr	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Design	HF	0	300,000	0	0	0	0	0
New Construction	HF	0	3,500,000	0	0	0	0	0
Other	HF	0	525,000	0	0	0	0	0

Schedule of Activities

Activity	Start	End	Amount
Design	04/01/2021	04/01/2022	300,000
New Construction	06/01/2021	06/01/2022	3,500,000
Other	06/01/2021	06/01/2022	525,000
Total Capital Project Costs			4,325,000
Total O&M Costs			0
Total Capital & Operating Costs			4,325,000

Methods of Financing (Ensuing + 5 Years)

Funding Source	Amount
Highway Fund	4,325,000
Total Funding Requirements	4,325,000

Department: Department of Public Works

District: Paia-Haiku

County of Maui

Fiscal Year 2022-2027 Capital Improvement Program

CBS No: CBS-6665

Project Name: Emergency Repair of Piilani Highway Culverts near Nu'u Bay

Department: Department of Public Works

District: Hana

Project Type: Drainage

Anticipated Life: 50 years



Prior Years	Appr	Ensuing	Subsequent Years					Total
Expend/Encb	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	6-Year
0	0	2,380,000	0	0	0	0	0	2,380,000

PROJECT DESCRIPTION

Replacement of existing culverts, guardrail and wingwall that were damaged.

PROJECT JUSTIFICATION

The hana side culvert has been damaged and lost it's structural integrity, guardrails are not existent and the portions of the existing wingwall are missing.

STRATEGIC PLAN ALIGNMENT

Department's Strategic Plan

Countywide Priority Results

Goal 2, Objective 1:
Rehabilitate and maintain county road and bridge infrastructure on a regular basis to maximize the lifespan of such infrastructure.

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Operating Impact Narrative

Less impact on maintenance. The existing culverts were old requiring more maintenance.

FUNDING DETAILS

Phase Description	Fund Code	Appr	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Design	HF	0	190,000	0	0	0	0	0
New Construction	HF	0	1,900,000	0	0	0	0	0
Other	HF	0	290,000	0	0	0	0	0

Schedule of Activities

Activity	Start	End	Amount
Design			190,000
New Construction	06/01/2021	06/01/2022	1,900,000
Other	06/01/2021	06/01/2022	290,000
Total Capital Project Costs			2,380,000
Total O&M Costs			0
Total Capital & Operating Costs			2,380,000

Methods of Financing (Ensuing + 5 Years)

Funding Source	Amount
Highway Fund	2,380,000
Total Funding Requirements	2,380,000

Department: Department of Public Works

District: Hana