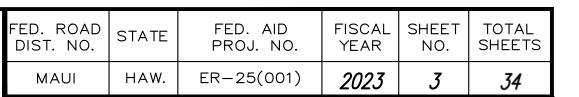
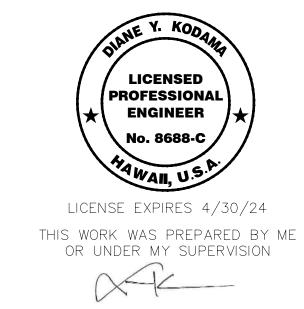
GENERAL NOTES:

- The Scope of Work for this project consists of demolishing a section of the existing Kekaulike Avenue roadway; constructing a new section of road with widened shoulders; installing precast concrete panel walls, installing quardrails and end treatments; installing signage and striping; work zone traffic control; installing slope protection; and utility pole relocation.
- 2. The Contractor is reminded of the requirements of Subsection 105.16 - Subletting of Contract, which requires him to perform work amounting to not less than 30 percent of the total contract cost less deductible items. Non-compliance with this Subsection may be grounds for rejection of bid.
- 3. The Contractor's attention is directed to the following Sections of the Standard Specifications and Special Provisions: Subsection 104.11 - Utilities and Services; Subsection 107.06 - Contractor Duty Regarding Public Convenience; Subsection 107.11 - Safety: Accident Prevention; Subsection 107.12 - Protection of Persons and Property; and Section 645 - Work Zone Traffic Control.
- 4. The existence and location of underground utilities, manholes, monuments and structures as shown on the plans are from the latest available data but the accuracy is not quaranteed. The encountering of other obstacles during the course of work is possible. The Contractor shall make an independent check on the ground by probing and/or checking with the various utility companies and government agencies to verify the exact locations and depths of the existing utilities and obstructions. The Contractor shall be held liable for any damages incurred to the existing facilities and/or improvements as a result of his operations. All damaged portions shall be replaced or repaired in accordance with the standards and specifications of the affected utility company at the Contractor's expense.
- Existing drainage system will be functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to various contract items.
- 6. Earth swales shall be graded to drain. This work shall be considered incidental to the various contract items.
- All saw cutting work shall be considered incidental to contract items.
- 8. The Contractor shall provide for free and safe access to and from all existing side streets at all times.
- The Contractor shall provide for access to and from all existing driveways at all times. The Contractor shall coordinate with the Homeowner if driveway closure is required.

- 10. Where pedestrian walkways exist, they shall be maintained in a safe and passable condition, or other facilities for pedestrians shall be provided. Passages between walkways at intersections shall likewise be provided at all
- 11. This Project will affect bus routes, bus stops, and paratransit operations; therefore, the Contractor shall notify the Maui County Department of Transportation, and Maui Bus ADA Paratransit Program, at 270-7511, and MEO Transportation Services, at 877-7651, of the scope of work, location, proposed closure of any street, traffic lane, sidewalk, or bus stop and duration of the project at least two weeks prior to construction.
- 12. The Contractor shall follow the requirements of various permits and Best Management Practices (BMP) during the construction.
- 13. No work or equipment shall take place or be located within 10' of any overhead wires or any MECO utility pole. No excavation shall take place within 5' of any MECO utility pole.
- 14. The Contractor will immediately report to the Engineer and utility companies damage discovered or caused by his work to any utilities.
- 15. The Contractor is advised that in addition to other Contractors working in the same areas, various utility companies (or their contractors) including Maui Electric Company, Hawaiian Telcom, Spectrum Cable, and Hawaii Gas may be performing work within the project area.
- 16. The Contractor shall coordinate all work with other Contractors in the areas. In case of unresolved conflict among contractors regarding access or work sites, the Engineer will make the final determination of priorities.
- 17. All holes, depressions and wheel ruts shall be filled and compacted with HMA Pavement, Mix No. V prior to resurfacing. This work shall be incidental to HMA Pavement, Mix No. IV.
- 18. Smooth riding connections shall be constructed at all limits of the project, including the beginning and end of project, connecting approaches, side streets and driveways as shown on the plans and/or as directed by the
- 19. All guardrail spacer blocks shall be recycled plastic blockouts or polyethylene offset blocks approved by DOT.
- 20. The Contractor shall clean and remove any accumulation of aggregates along the roadside within 15 feet of the edge of pavement. This work shall be considered incidental to the various contract items.

- 21. Demolishing, removing and disposing of existing drainage structures shall be considered incidental to the various contract items.
- 22. All necessary construction permits shall be obtained by the Contractor at his own cost.
- 23. The Contractor shall comply with the directives of the State of Hawaii Occupational Safety and Health Law (DOSH). Any citation (fine) received by the State for noncompliance by the Contractor shall be deducted from the progress payment.
- 24. Unprotected pavement dropoffs greater than 2" shall not be allowed during non-working hours, except where approved by the Engineer in writing.
- 25. No material and/or equipment shall be stockpiled or otherwise stored within the highway right-of-way except at locations designated in writing and approved by the Engineer. If use of location is approved by the Engineer, the Contractor shall obtain a permit to use the property within the highway right-of-way from the State Right-Of-Way Branch at telephone no. 692-7332.
- 26. All temporary traffic control (TTC) elements, including but no limited to, pedestrian and worker safety, and flagger control, shall conform to the latest adopted version of the Manual on Uniform Traffic Control Devices (MUTCD).
- 27. The Contractor shall immediately repair any damage to the existing sensor loops and new sensor loops.
- 28. The Contractor shall make immediate adjustments to any disrupted timing cycles relating to the sensor loops, detectors, or signal pullboxes.





STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

GENERAL NOTES

KEKAULIKE AVENUE, EMERGENCY REPAIRS <u>M.P. 8.2</u>

Federal-Aid Project No. ER-25(001) Date: March 2023

SHEET No. 1 OF 2 SHEETS

Scale: As Noted

GENERAL CONSTRUCTION NOTES:

- 1. The Contractor shall notify all agencies to verify the actual location of all utilities in the project area prior to excavating.

 The Contractor shall coordinate all work.
- 2. All work called for on the plans and not itemized in the proposal and all work not called for but required for the construction of this project shall be considered incidental to various bid items.
- 3. The Contractor shall restore to their original condition all improvements damaged as a result of the construction, including pavements, embankments, curbs, signs, landscaping, structures, utilities, walls, fences, etc. unless provided for specifically in the proposal. Demolition and restoration of existing items shall be incidental to various bid items.
- 4. The Contractor shall observe and comply with the administrative rules of The Department of Health regarding noise control of Maui.
- 5. No section of incomplete guardrail, footing and/or excavation shall be left unshielded at the end of each work day. Intermediate concrete barriers and crash cushion end treatments used for shielding shall meet current SOH DOT standards and guidelines along with manufacturer's specifications. All shielding used during construction shall be considered incidental to various guardrail items.
- 6. Contractor shall maintain landscaping within the State Right-of-Way and Construction Parcels for the duration of the project until final acceptance. The cost shall be incidental to various contract items.
- 7. Call MECO 30 days prior to construction to coordinate adding rubber stoppers to the overhead lines or temporary power shutdown.
- 8. Contractor to brace poles and submit pole brace design by a licensed structural for MECO review.
- 9. If the contractor needs to relocate the line, the contractor shall retain a licensed electrical engineer to provide plans for this work.

NOTES FOR CONSTRUCTION WITHIN STATE RIGHT-OF-WAY

- 1. The Contractor shall obtain a Permit to Perform Work Upon State Highway from the Maui District, State Highways, prior to commencement of work within the State highway right—of—way.
- 2. Construction and restoration of all existing highway facilities within State right—of—way shall be done in accordance with all applicable sections of the 2005 Standard Specifications for Road and Bridge Construction, and the Specifications for Installation of Miscellaneous Improvements within State Highways, of the State Highways Division.
- 3. Work may be performed only between the hours of 8:30 a.m. and 3:30 p.m., Monday through Friday, except holidays, unless otherwise permitted by the Engineer.
- 4. The Contractor shall provide, install, and maintain all necessary signs, lights, flares, barricades, markers, cones, and other protective items, and shall take necessary precautions for the protection, convenience, and safety of public traffic. All such protective facilities and precautions to be taken shall conform with the "Administrative Rules of Hawaii Governing the Use of Traffic Control Devices at Work Sites on or Adjacent to Public Streets and Highways", adopted by the Director of Transportation, and the current U.S. Federal Highway Administration "Manual on Uniform Traffic Control Devices for Streets and Highways, Part VI Standards and Guides for Traffic Controls for Street and Highway Construction, Maintenance, Utility and Incident Management Operations" and NCHRP 350.
- 5. No material and/or equipment shall be stockpiled or otherwise stored within the highway right—of—way, except at locations designated in writing and approved by the Engineer.
- 6. The Contractor shall be required to provide adequate, safe, non-skid bridging material over any trench, including shoring, when trenching in pavement areas to handle all types of vehicular traffic.
- 7. No trench shall be opened more than 200 feet in advance of the installed and tested pipe and/or ductline. No jumps or spaces will be permited unless approved in writing by the Engineer.
- B. Drainage within the project limits shall be maintained at all times to allow freeflow.
- 9. All regulatory, guide and construction signs and barricades shall be high intensity reflective sheeting.
- 10. Stop work and contact the State Historic Preservation Division (SHPD) of the Department of Land and Natural Resources immediately should any unidentified archaeological site or remains (such as artifacts, shells, bones, charcoal deposits, road or coral alignments, pavings or walls) be encountered during construction.

11. The Contractor shall inform the State DOT Highway Maui District Permit Office at 873-3535 at least five (5) working days prior to any lane closures or changes to lane closures.

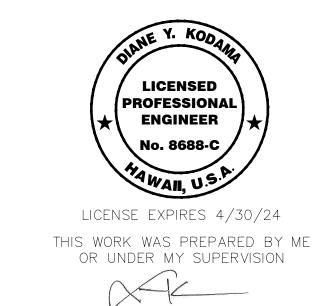
<u>ABBREVIATIONS</u>

Ah.	Ahead	Lc	Length of Curve
ARV	Air Relief Valve	LF	Linear Feet
AC	Asphaltic Concrete	Мах	Maximum
Bk.	Back	ML	Matchline
BL	Baseline	Min	Minimum
BB	Bottom of Bank	Mauka	Mountainside
CL	Centerline	NTS	Not to Scale
Conc	Concrete	No.	Number
Conn	Connect	Makai	Oceanside
CP	Construction	0/S	Offset
	Parcel	Pvmt	Pavement
CY	Cubic Yard	PC	Point of Curvature
DOT	Department of	PI	Point of Intersection
	Transportation	PT	Point of Tangency
Det	Detail .	RPM	Reflective Pavement
Div	Diversion		Marker
DMH	Storm Drain Manhole	<i>Rt</i>	Right
Еа	Each	ROW	Right-of-Way
Esmt	Easement	Sht	Sheet
EP	Edge of Pavement	SF	Square Feet
ES	Edge of Shoulder	Std	Standard
EL	Elevation	Sta	Station
EMB	Embankment	Struct	Structural
EXC	Excavation	SE	Superelevation
Exist	Existing	<i>TB</i>	Top of Bank
Hwy	Highway	Тур	Typical
Lt	Left	VC	Vertical Curve
		WL	Waterline

<u>LEGEND</u>

	New Precast Concrete Panel Wall
	Grouted Rubble Paving
	Dumped Riprap
* * * * * *	New Top Soil With Grassing
— -OHE—	Existing Electrical Line
—— <i>E</i> ——	New Electrical Line
°UP	Existing Utility Pole
°EMH	Existing Electric Manhole
● EMH	Adjusted Elec. MH Frame/Cover
° EMH	New Electric Manhole
	Existing Metal Guardrail
	New Metal Guardrail
— D18 —	New Drain Line
þ	Existing Traffic Sign

New Pavement Structure



FISCAL SHEET TOTAL YEAR NO. SHEETS

4

2023

ER-25(001)

FED. ROAD DIST. NO.

HAW.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

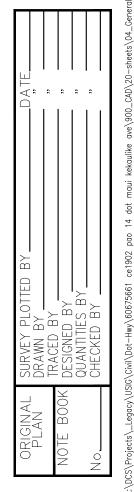
GENERAL NOTES AND LEGEND

KEKAULIKE AVENUE, EMERGENCY REPAIRS

Scale: As Noted

<u>M.P. 8.2</u> <u>Federal-Aid Project No. ER-25(001)</u>

SHEET No. 2 OF 2 SHEETS



Date: March 2023