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STATE OF HAWAII

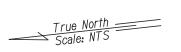
DEPARTMENT OF TRANSPORTATION

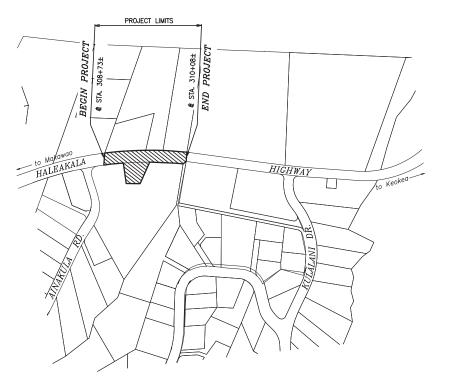
HIGHWAYS DIVISION MAUI DISTRICT

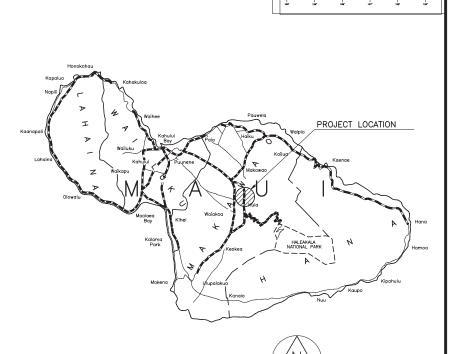
PLANS FOR

HALEAKALA HIGHWAY SLOPE AND SHOULDER REPAIR VICINITY OF AINAKULA ROAD TO KULALANI DRIVE PROJ. NO. 377A-01-22M

DISTRICT OF MAKAWAO ISLAND OF MAUI







DIST. NO. STATE

2024 ADD.1

377A-01-22M

STATE OF HAWAII (N)

FEDERAL AID PROJECTS PREVIOUSLY CONSTRUCTED OR UNDER CONSTRUCTION

MILE POST 5.40 TO MILE POST 5.58 (RTE. 377)

SCALE IN MILES

LAYOUT PLAN

GROSS LENGTH OF PROJECT 0.18 MILES NET LENGTH OF PROJECT 0.03 MILES

DEPARTMENT OF TRANSPORTATION STATE OF HAWAII /APPROVED:

HIGHWAYS ADMINISTRATOR DATE

MAR., 2024 DATE

SHEET No. 1 OF 22 SHEETS

ADD.1

Sep 3, 2024

GENERAL NOTES:

- The Scope of Work for this project includes: pavement resurfacing of Haleakala Hwy; replacement of guardrails; installation of a drainage chute, permanent curbing, and slope protection. All roadway and other work required to complete the project shall meet current Federal, State, and County Standards.
- 2. The Contractor shall perform all applicable construction work in accordance with the "Department of Transportation, Highways Division, Standard Plans", as amended and "Hawaii Standard Specifications for Road and Bridge Construction, 2005", as amended for the State of Hawaii.
- 3. The Contractor shall verify the location of all existing utilities, whether shown on the plans or not, and shall be responsible for the repair of replacement of the same in the event of damages due to his construction practices, at no cost to the State.
- 4. All dimensions and details shown on the drawings shall be checked and verified prior to the start of construction, and any discrepancies shall be immediately brought to the attention of the Engineer for clarification.
- 5. The Contractor's Attention Is Directed To The Following Sections Special Provisions: Section 107 Legal Relations and Responsibility to Public; and Section 645 Work Zone Traffic Control.
- 6. The Contractor is reminded of the requirements of Subsection 105.16 Subcontracts, which requires him to perform work to not less than 30 percent of the total contract cost less deductible items.

 Non-compliance with the Subsection may be grounds for rejection of bid.
- 7. At the end of each day's work, the Contractor shall remove all equipment and other obstructions to permit free and safe passage of public traffic.
- 8. 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 guaranteed. The encountering of other obstacles during the course of work is possible. The Contractor shall tone for the exact locations and depths of all underground facilities, either shown on or omitted from the plans, in areas where work, such as the placement of sign posts, traffic signal conduits, etc. may affect these properties. Toning shall be considered incidental to the various contract items and will not be paid for separately. The Contractor shall be held liable for any damages incurred to the existing facilities and/or improvements as a result of his operations.
- 9. When excavating near utility poles, the Contractor shall protect, support, secure and take all other precautions to prevent damage to or leaning of these poles. The Contractor is responsible for all costs associated to repair and/or straighten pole.

- 10. The Contractor shall indemnify and be solely responsible for the protection of adjacent properties, utilities and existing structures from damages due to construction. Repairing any damage shall be at the Contractor's own expense and to the satisfaction of the Engineer.
- 11. Existing drainage system will be functional at all times during construction. The Contractor shall furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to any culvert work or the various contract items and will not be paid for separately.
- 12. Smooth riding connections shall be constructed at all limits of project, including the beginning and end of project, connecting approaches, side streets, walkways and driveways as shown on the plans and/or as directed by the Engineer. This work shall be considered incidental to asphalt concrete and will not be paid for separately.
- 13. The Contractor shall clean and remove any accumulation of aggregates along the roadside within 10 feet of the edge of pavement. This work shall be considered incidental to bulk of work or the various contract items and will not be paid for separately.
- 14. Removal and disposal of existing asphalt concrete pavement, and any debris shall be considered incidental to their respective bid items.
- 15. All saw cutting work shall be considered incidental to Roadway Excavation or Asphalt Concrete or various contract items or their respective bid items.
- 16. The Contractor shall remove and dispose of all existing raised pavement markers, thermoplastic line markings, traffic tape, and epoxy adhesives prior to the overlaying of Asphalt Concrete. This work shall be considered incidental to Asphalt Concrete Pavement, Mix No. V and will not be paid for separately.
- 17. The Contractor shall make his own arrangements for, and pay for all temporary utilities required for his
- 18. The Contractor shall remove and dispose of all existing guardrail and guardrail posts. This work shall be considered incidental to Guardrail Type MGS W-Beam and Type MGS Transition, and will not be paid for separately.
- 19. The Contractor shall remove and dispose all silt and debris deposited in drainage facilities, roadways and other areas resulting from his work. The cost incurred for any necessary remedial action ordered by the Engineer shall be paid for by the Contractor.

20. The Contractor shall submit for approval a detailed traffic control plan (TCP) and schedule at least 15 working days before the start of work. All construction signs shall be left in place until all construction items have been completed. Contractor shall obtain prior approval from the Engineer to remove construction signs.

DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
MAUI	HAW.	377A-01-22M	2024	ADD.4	22

O7-30-24 ADD 1: New Note Added

DATE

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES FOR

CONSTRUCTION

Halance of a bloom of a bounder of

Haleakala Hwy. Slope and Shoulder Repair Vicinity of Ainakula Road to Kulalani Drive Project No. 377A-01-22M

Scale: As Noted

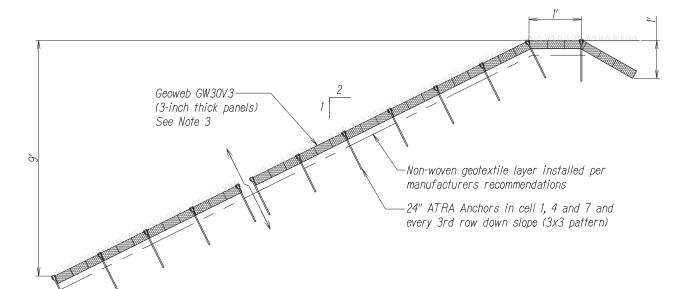
Date: March 2024

OF 1 SHEETS



Notes:

- 1. Geoweb, ATRA Keys, and ATRA Anchor to be manufactured by Presto Geosystems.
- 2. The Geoweb panels shall be connected with ATRA Keys at each interleaf and end to end connection.
- 3. Geoweb infill shall be nutrient rich, pulverized topsoil. Limit the drop of the infill into the Geoweb panels to prevent distortion.



Key connection (Typ.)Cell #

> 24" ATRA Anchors in cell 1, 4and 7 and every 3rd row down the slope (3x3 cell pattern)

DIST. NO.

STATE

PROJ. NO.

Provide ATRA-

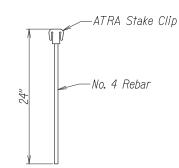
ANCHORING DETAILS

TYPICAL SECTION - GEOWEB SLOPE PROTECTION

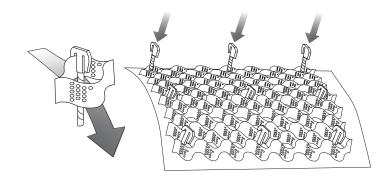
Scale: Not To Scale



ATRA KEY



ATRA ANCHOR



ANCHOR INSTALLATION





△ 08-06-24 ADD 1: Revised Geoweb Details

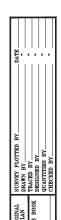
STATE OF HAWAPI
DEPARTMENT OF TRANSPORTATION

SLOPE PROTECTION DETAIL

Haleakala Hwy. Slope and Shoulder Repair Vicinity of Ainakula Road to Kulalani Drive Project No. 377A-01-22M

Scale: As Noted

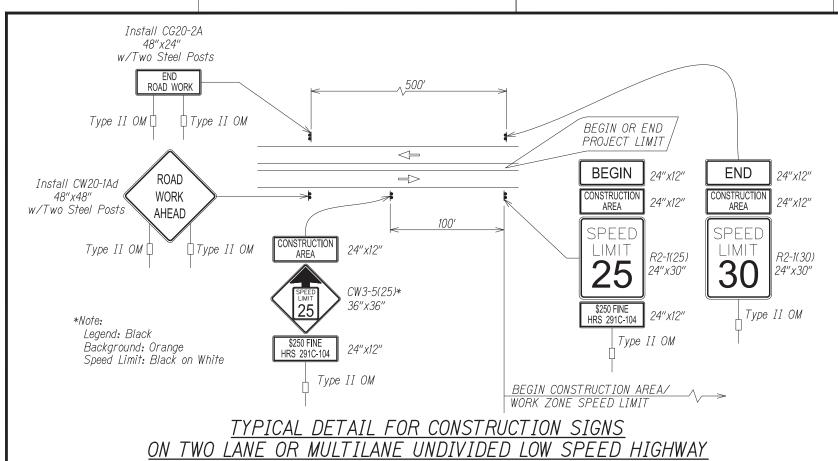
Date: March 2024 1 OF 1 SHEETS

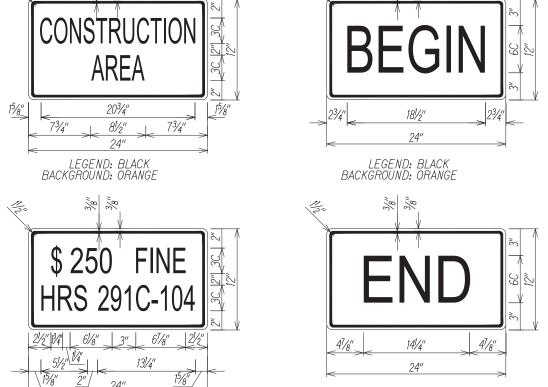


ADD.21

FISCAL YEAR

HAW. 377A-01-22M 2024 ADD.21 22

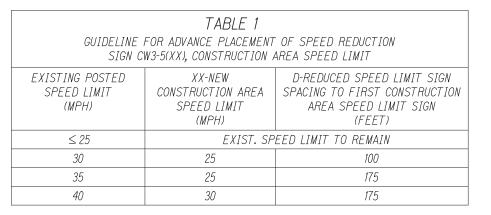




Work Zone Note:

DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
MAUI	HAW.	377A-01-22M	2024	ADD.22	22

- 1. Contractor shall submit a Traffic control plan (TCP) at least 15 working days before the start of work per Section 645 of the Standard Specifications.
- 2. This Work Zone Sign Plan is intended for use on long-term stationary work zones/construction phases (3 days or more). All work zones or construction phases less than 3 days duration will use Traffic Control Plans shown in Section 645 of the Standard Specifications.
- 3. All existing regulatory speed limit signs with posts within the work zone/project limits shall be removed and replaced with work zone speed limit sign assemblies (R2-1(25) and R2-5b(25) with "CONSTRUCTION AREA" and "\$250 FINE HRS 291C-104" Supplemental Signs).
- 4. Construction sign assemblies shall be installed on both the approaching and trailing ends of each work zone as shown on this plan.
- 5. Each construction warning sign shall have a minimum of two (2) Type II OM. Each work zone speed limit assembly shall have a minimum of one (1) Type II OM. Installation of each Type II OM shall be considered incidental to Item No. 631.3000, Construction Sign with Post.
- 6. Upon the completion of all physical work or as directed by the Engineer, all construction signs and work zone speed limit assemblies shall be removed. All speed limit signs and posts that were existing at the start of the project within the work zone/project limits shall be restored back to their original locations and configurations.
- 7. Placement of construction signs shall not obstruct the path of pedestrians and bicyclists.
- 8. The removal and restoration of existing regulatory speed limit signs shall be considered incidental to Item No. 631.3000, Construction Sign with Post.
- 9. The installation, maintenance and removal of work zone speed limit sign assemblies shall be paid for under Item No. 631.3000, Construction Sign with Post.
- 10. The work zone speed limit signs shall be new and become the property of the Contractor.





△ | 08-06-24 | ADD 1: Replaced Traffic Control Plan

STATE OF HAWAI'I
DEPARTMENT OF TRANSPORTATION

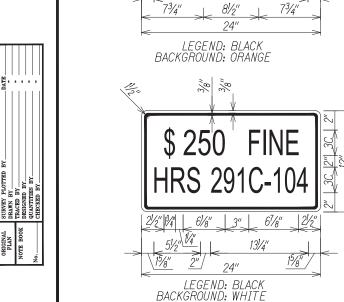
LOW SPEED UNDIVIDED HIGHWAY WORK ZONE SIGNING PLAN, NOTE \$ DETAILS

Haleakala Hwy. Slope and Shoulder Repair Vicinity of Ainakula Road to Kulalani Drive Project No. 377A-01-22M Scale: As Noted Date: March 2024

1 OF

SHEETS

ADD.22





LEGEND: BLACK BACKGROUND: WHITE

