

GENERAL NOTES

12.

All new reference survey monuments shall be set under a Licensed Land Surveyor's direction. Copies of field notes, descriptions and values of the new survey monuments shall be sent to the Department of Transportation, Highways Division, Cadastral Engineering Section, for review and approval prior to construction.
13.

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.
14.

Before works starts, clean all existing drainage manholes and culverts, which will be paid by force account under Contract Item 603.02 Clean Existing Culverts. Existing drainage system will be functional at all times during construction necessary to maintain flow after initial cleaning. 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.
15.

Smooth riding connections shall be constructed at all limits of project or where work has occurred or both, 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. Walkways and driveways shall comply with ADAAG and shall not have a difference in elevation between two adjoining surfaces of more than 0.25 inch. All of this work shall be considered incidental to asphalt concrete or other items of work and will not be paid for separately.
16.

The Contractor shall clean and remove any accumulation of aggregates along the roadway 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.
17.

Removal and disposal of existing asphalt concrete pavement, and any debris shall be considered incidental to their respective bid items.
18.

All saw cutting work shall be considered incidental to Roadway Excavation or Asphalt Concrete or various contract items or their respective bid items.
19.

Prior to placement of new aggregate subbase course, the existing subbase shall be compacted to a relative compaction greater than or equal to 95%.
20.

The Contractor shall provide and maintain for access to and from all existing driveways, sidewalks and ADA access routes, and side streets and cross streets at all times. This work shall be considered incidental to curb ramps, or sidewalk, or the various contract items and will not be paid for separately.
21.

Provide and maintain in or near the work zone a temporary pedestrian-safe and easily accessible route or detour or both with barricades placed in accordance with the MUTCD. The temporary route or detour shall be smooth, solid, non-slip and Americans With Disabilities Act Accessibility Guidelines (ADAAG) compliant which includes accommodations for people with vision disabilities. The temporary route or detour shall be paved with at least an inch of Hot Mix Asphalt (HMA) Pavement, Mix No. V or other non-slip material acceptable to the Engineer, e.g., steel plates or wood planks or combination of both. (The HMA paving or installation of other non-slip material is only applicable if the temporary route's or detour's existing surface is dirt or if the existing surface is non-ADA compliant.) Restore the temporary route or detour surface to pre-construction condition when no longer needed for the project's work.
22.

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. IV and will not be paid for separately.
1.

The scope of work for this project includes widening of Waimea Canyon Drive and restriping and widening of Kaumualii Highway at the intersection to provide auxiliary lanes for left turns, relocation of overhead utilities and drainage structures, new traffic signals, curb ramps, and pavement striping.
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: Subsection 104.11 - Utilities and Services; Subsection 107.06 - Contractor Duty Regarding Public Convenience; 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. All bridging shall be at a minimum meet or exceed being Traffic-Rated, meet or exceed the requirements of HL-93, and shall have and maintain an anti-skid surface.
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.

Prior to beginning work on the project, the Contractor shall request toning of utilities from One Call Center, phone 811 or 1-866-423-7287.
10.

Contractor shall exercise extreme caution to preserve BENCHMARKS (Survey Monuments). Whenever the center of a Survey Monument is less than three (3) feet from the edge of construction, the Contractor shall retain a Licensed Land Surveyor to reference the location of said Survey Monument.
11.

Benchmarks that are disturbed or destroyed shall be restored under a Licensed Land Surveyor's direction. Copies of field notes, descriptions and new values of the new benchmark shall be sent to the Department of Transportation, Highways Division, Cadastral Engineering Section, for review and approval prior to construction.

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KAUAI	HAW.	50B-01-14R	2021	ADD.3	44

23.

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 Kauai District Office at telephone no. 808-241-3000.
24.

Except during actual working hours, all signs which do not pertain to the construction activity, such as "MEN WORKING" and "FLAGMEN AHEAD" shall be covered or laid down. However, all signs necessary for safety of the public shall be maintained
25.

The Contractor shall employ a Hawaii Registered Professional Surveyor to perform all construction stakeouts, the cost of which shall be borne by the Contractor.
26.

The Contractor shall make his own arrangements for, and pay for all temporary utilities required for his work.
27.

The Contractor shall procure and pay for all licenses and permits and shall give all notices necessary and incidental to the due and lawful prosecution of the work.
28.

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.
29.

~~Construction activities shall be limited to normal working daylight hours and weekdays.~~
30.

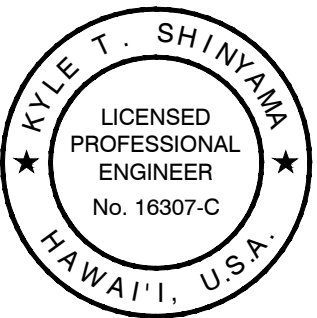
The Contractor shall not damage any roots of the protected trees during roadway excavation.
31.

Any work specified in the contract but not listed separately in the proposal schedule shall be considered incidental to other various contact items and shall not be paid for separately.
32.

Pursuant to Chapter 6E, HRS, in the event any artifacts or human remains are uncovered during construction operations, the contractor shall immediately suspend work and notify the State Department of Land and Natural Resources - Historic Preservation Division (ph. 808-692-8015), and Kauai Police Department (ph. (808)241-1711)
33.

All workers within the State right-of-way who are exposed to either vehicles using the roadway or to construction equipment shall wear high-visibility safety apparel that meets the requirements of ANSI/ISEA 107-2015, Type R or P, Performance Class 2 or 3. "Workers" is defined as people on foot whose duties place them within the State right-of-way, such as, but not limited to construction and maintenance forces, equipment operator, survey crews, utility crews, responders to incidents (e.g., EMT and firemen), and law enforcement personnel directing traffic, investigating accidents, handling lane closures and obstructed roadways.

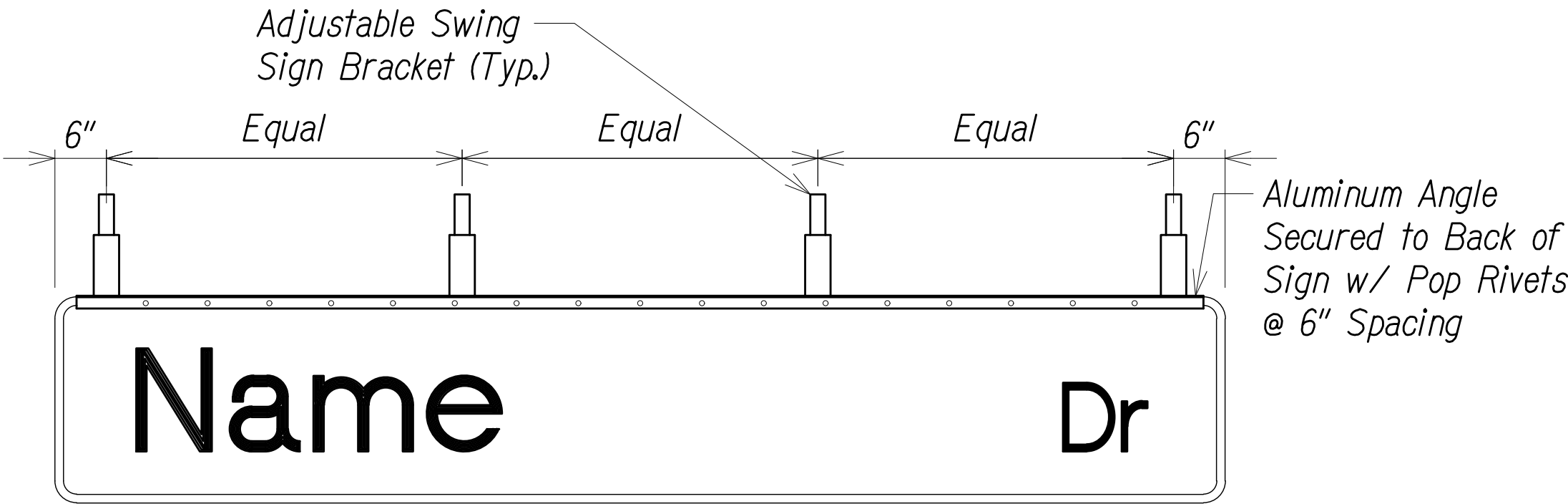
ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE _____
	DRAWN BY _____	
	DESIGNED BY _____	
	QUANTITIES BY _____	
NOTE BOOK	No. <u>ADD.3</u>	
CHECKED BY _____		



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.
Kyle Shinyama
APRIL 30, 2022
LIC. EXP. DATE

6/2/21	Delete Note No. 29
DATE	REVISION
<div>STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION GENERAL NOTES FOR CONSTRUCTION <i>Kaumualii Highway Intersection Improvements at Waimea Canyon Drive Project No. 50B-01-14R</i> Scale: As Shown Date: Feb 2021</div>	
SHEET No. <u>G-2</u> OF <u>8</u> SHEETS	

DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	50B-01-14R	2021	ADD.27	44

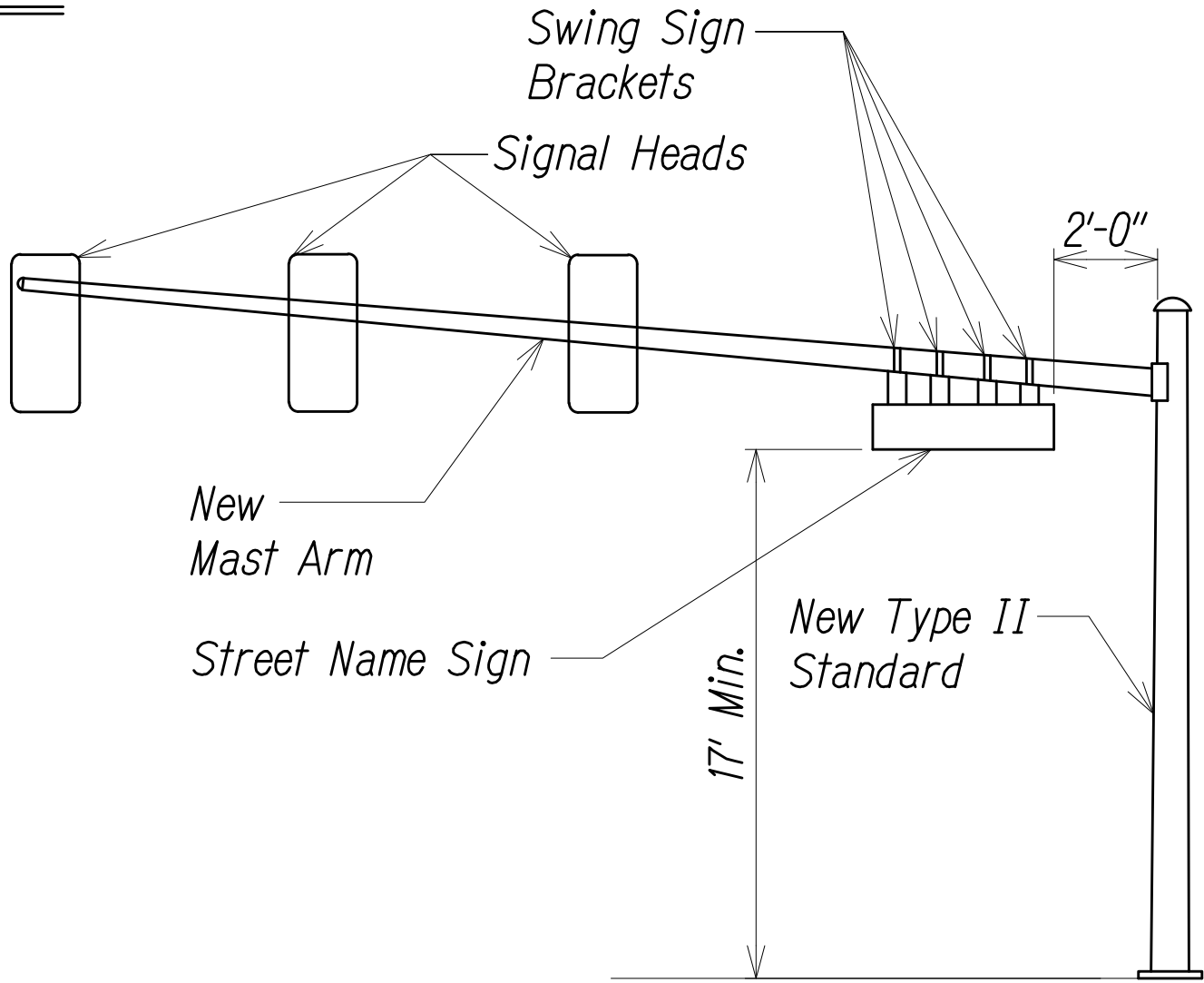


Rear View

PANEL & SWING BRACKET LAYOUT FOR STREET NAME SIGN
Not To Scale

- ① Pivotal Upper Bracket
- ② 5/8" x 1/4" Slot for Double Strapping to Electrolier Mast Arm. (M2G-34S(HD) .030" x 3/4" Heavy Duty Stainless Steel Strap with M2G-34B(HD) Buckle Recommended.)
- ③ 1/2" - 13 x 1 1/2" Stainless Steel Hex Head Bolt with Stainless Steel Hex Lock Nut and 1/16" Stainless Steel Washer (Both Sides). Allows Upper Bracket to Pivot and Align with Electrolier Mast Arm.
- ④ 6" Overall Drop With Fixed Length Sign Bracket
- ⑤ Stainless Steel Dampener Spring (Removable)
- ⑥ Stainless Steel Hex Lock Nut with 1/16" Stainless Steel Washer
- ⑦ 1" O.d. Axle Housing
- ⑧ 1/2" - 13 x 4" Stainless Steel Hex Head Bolt with 1/16" Stainless Steel Washer
- ⑨ Oilite Bushing
- ⑩ Sign Mounting Sets, Consisting of Two Each 5/16" - 18 x 1" Stainless Steel Hex Head Bolt with Stainless Steel Hex Lock Nut. Two Holes on 1/2" Centers Provide Positive Lock Sign Mounting to Bracket.
- ⑪ 8 1/4" Overall Length Upper Adjustable Sign Bracket Section
- ⑫ 9" Overall Length Lower Adjustable Sign Bracket Section, Including Axle Housing (8" Overall Length to Top of Axle Housing)
- ⑬ 1/2" - 13 x 1 1/2" Stainless Steel Hex Bolt with Stainless Steel Hex Lock Nut and 1/16" Stainless Steel Washers (Both Sides). Loosen Lock Nut, Adjust Bracket Teeth To Level Sign.
- ⑭ 1/4" x 1/4" x 1/8" Aluminum Angle

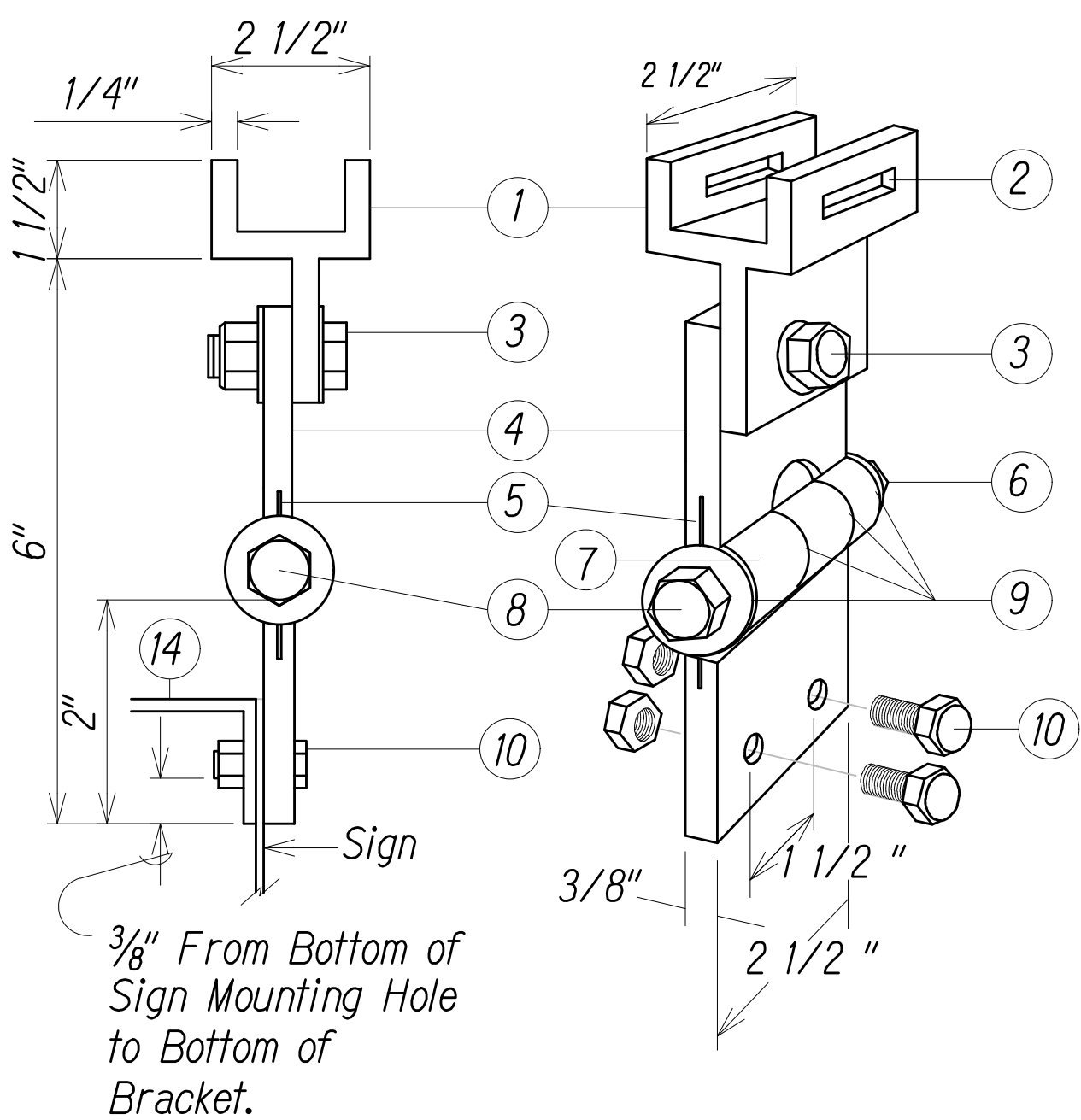
NOTE: Dimensions may vary slightly



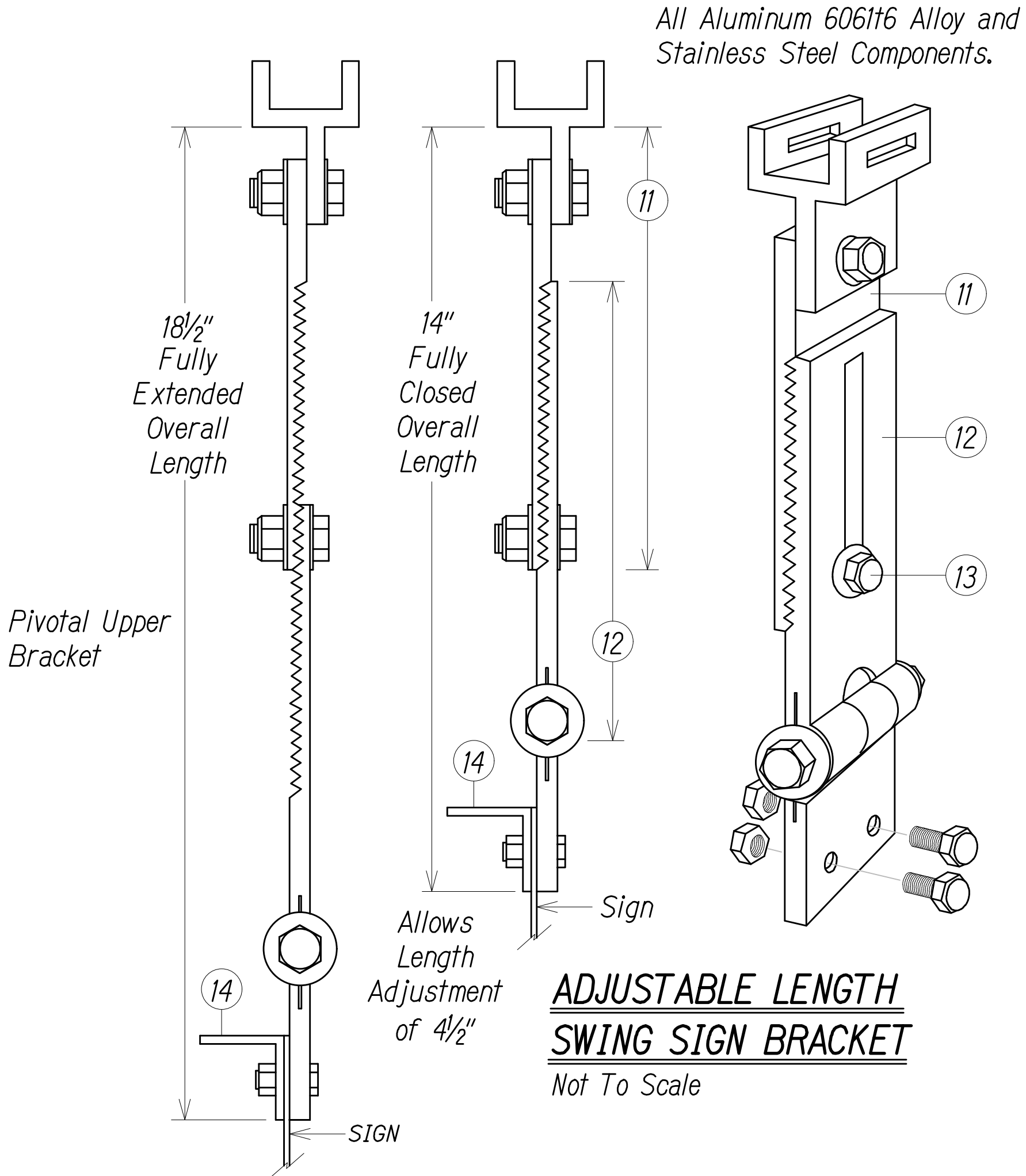
STREET NAME SIGN MOUNTING ON MAST ARM
Not To Scale

SIGN NOTES:

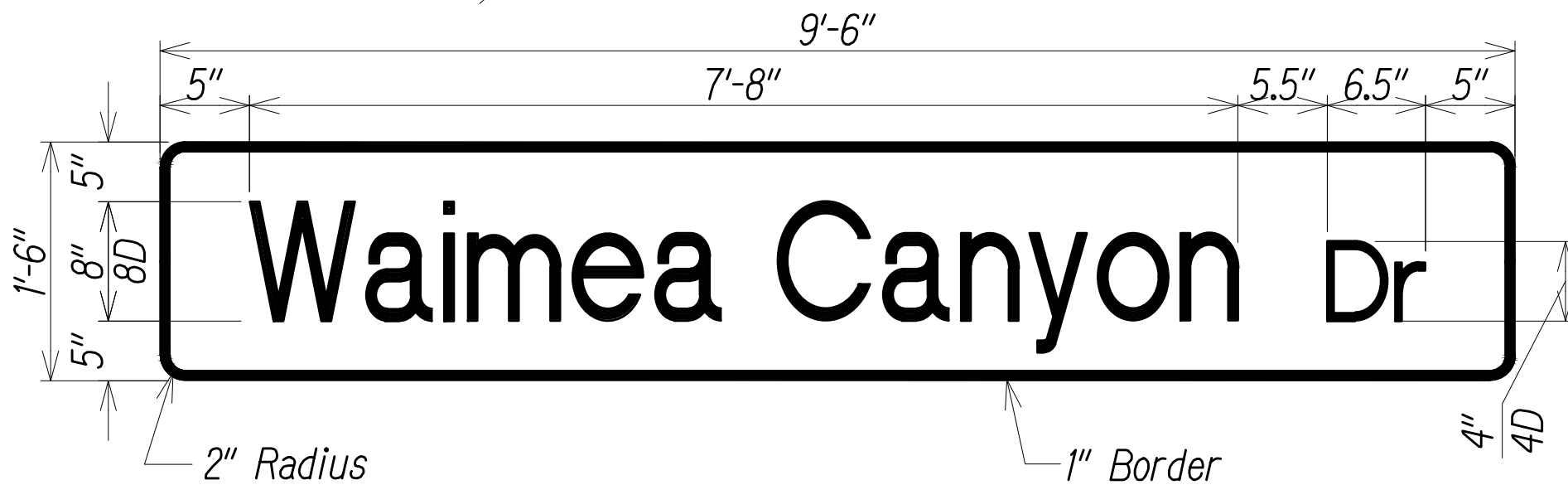
- Provide the same message on the front and back side the sign. Payment will not be made separately but shall be considered as one unit.
- Colors:
Legend: - white (reflectorized)
Background - green (reflectorized)
- All panels shall be reflectorized with Type B reflectorized sheeting in accordance with Section 750.01 of the standard specifications.
- All signs shall conform to Section 630 of the specifications and the latest editions and amendments of the following FHWA publications:
a. "Manual on uniform traffic control devices for street and highways" (MUTCD)
b. "Standard highway signs"
c. Standard alphabets for highway signs"
- Borders and messages shall conform to details as shown on the plans and as specified in the MUTCD.
- Sign mounting brackets, fixtures, fasteners, all necessary hardware, equipment, tools, labor, materials and other incidentals required for installation will not be paid for separately but shall be considered incidental to Street Same Sign contract item.
- See Sheet No. 23 for Mast Arm lengths.



FIXED LENGTH NON-ADJUSTABLE SWING SIGN BRACKET
Not To Scale

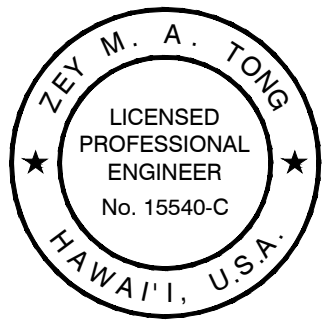


ADJUSTABLE LENGTH SWING SIGN BRACKET
Not To Scale



STREET NAME SIGN DETAIL
Not To Scale

6/2/21	△ Rev. Street Name Sign Detail Dimensions
5/18/21	△ Rev. Swing Sign Bracket Count And Spacing
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION STREET NAME SIGN DETAILS <i>Kaunualii Highway Intersection Improvements at Waimea Canyon Drive</i> Project No. 50B-01-14R Scale: As Shown Date: Feb 2021	
SHEET No. TS-6 OF 6 SHEETS	



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Zey Tong
APRIL 30, 2022
LIC. EXP. DATE