

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-058-1(1)	1990	5	29

LEGEND

- [M] Master Traffic Signal Controller
- [C] Traffic Signal Controller
- [X] Type "A" Pullbox
- [□] Type "B" Pullbox
- [田] Type "B" Pullbox w/ Modified Cover
- [△] Traffic Signal Conduit & Cable
- [→] 12" Traffic Signal Head
- [→] 12" Traffic Signal Head (Programmed Visibility)
- [—] Pedestrian Signal Head
- [•] Type I Traffic Signal Standard. Signal Head as specified.
- [•] Type II Traffic Signal Standard (Mast Arm Length & Signal Head spacing as specified). Signal Head as specified.
- [□] Loop Detector
- [P] Existing Regulatory, Warning or Guide Sign
- [P] New Regulatory, Warning or Guide Sign
- [•] Existing Pavement Markers
- [—] Existing Pavement Stripe
- [—] New Pavement Stripe
- [---] Existing Pavement Stripe & Marker to be removed
- [W-B] Existing Water Line & Size
- [A-B] Existing Sewer Line & Size
- [d-24] Existing Drain Line & Size
- [D-24] New Drain Line & Size
- [x-x] Chain Link Fence
- [→] Pavement Arrow
- [II] Crosswalk
- [---] Portland Cement Concrete
- [///] Demolish & Remove
- [•PP] Power Pole
- [—] Metal Guard Rail
- [•PPB] Pedestrian Push Button

TRAFFIC SIGNAL NOTES

- ALL TRAFFIC SIGNAL EQUIPMENT SHALL BE COMPLETELY WIRED IN THE CABINET & SHALL CONTROL THE TRAFFIC SIGNALS AS CALLED FOR IN THE PLAN.
- THE CONTRACTOR SHALL FURNISH 50 AMPERE CIRCUIT BREAKER AT EACH INTERSECTION.
- THE LOOP DETECTOR AMPLIFIER UNITS FURNISHED FOR THIS PROJECT SHALL BE CAPABLE OF OPERATING THE LOOP DETECTOR CONFIGURATIONS SHOWN ON THE PLANS.
- A SOLID #8 COPPER WIRE SHALL BE PULLED WITH THE TRAFFIC CONTROL CABLE FOR EQUIPMENT GROUND. COST SHALL BE INCIDENTAL TO INSTALLATION OF THE CONTROL CABLE.
- SHOULD ANY DEFECT BE ENCOUNTERED DURING THE WARRANTY PERIOD, THE MANUFACTURER WILL BE NOTIFIED & HE SHALL PROMPTLY CORRECT SUCH DEFECT. SERVICE CALL (BY FACTORY QUALIFIED REPRESENTATIVE) DURING THE WARRANTY PERIOD FOR REPAIRS OR OTHER MAINTENANCE SHALL BE ANSWERED WITHIN 24 HOURS AND SHALL BE DONE AT NO EXPENSE WHATSOEVER TO THE STATE. ALL REPAIRS SHALL BE DONE AS SOON AS POSSIBLE.
- THE LOCATIONS OF THE TRAFFIC SIGNAL STANDARDS, TRAFFIC SIGNAL STANDARDS WITH MAST ARM, PEDESTRIAN PUSH BUTTONS, TRAFFIC CONTROLLER, PULLBOXES, CONDUITS, BARRIERS & LOOP DETECTORS SHALL BE STAKED OUT IN THE FIELD BY THE CONTRACTOR & APPROVAL OF THE LOCATIONS OBTAINED FROM THE ENGINEER PRIOR TO CONSTRUCTION & INSTALLATION.
- REMOVAL AND RELOCATION OF EXISTING SIGNS SHALL ALSO INCLUDE THE REMOVAL OF POSTS & FOUNDATIONS. ALL REMOVED MATERIALS SHALL BE THE PROPERTY OF THE STATE. COST SHALL BE INCIDENTAL TO OTHER ITEMS OF WORK.
- REMOVAL OF PAVEMENT MARKINGS & STRIPINGS SHALL BE DONE BY THE CONTRACTOR.
- STOP SIGNS INDICATED TO BE REMOVED SHALL BE REMOVED AFTER THE TRAFFIC SIGNAL SYSTEMS ARE OPERATIONAL.
- RESTORATION OF EXISTING PAVEMENTS & IMPROVEMENTS UNAVOIDABLY DAMAGED SHALL BE INCIDENTAL TO THE VARIOUS CONTRACT ITEMS. RESTORATION SHALL BE TO ORIGINAL OR BETTER CONDITION.
- ALL TRAFFIC SIGNAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS," FEDERAL HIGHWAY ADMINISTRATION (1984) AND AMENDMENTS.
- MAINTENANCE OF TRAFFIC THROUGH THE CONSTRUCTION AREA SHALL BE IN ACCORDANCE WITH PART VI OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS," FEDERAL HIGHWAY ADMINISTRATION (1984) AND AS SPECIFIED IN THE SPECIAL PROVISIONS. THE CONTRACTOR SHALL FURNISH & MAINTAIN ADEQUATE BARRICADES, BLINKERS, CONSTRUCTION SIGNS, ETC. FOR THE SAFETY OF THE MOTORING PUBLIC.

GENERAL NOTES

- All construction work shall be done in accordance with these plans, all applicable sections of the Standard Specifications for Road and Bridge Construction, dated 1985 as amended, of the State Highways Division, Dept. of Transportation & the project's Special Provisions, unless otherwise specified.
- The Contractor shall provide, install and maintain all necessary signs, lights, flares, temporary concrete guardrails, barricades, markers, cones and other protective facilities and shall take all necessary precautions for the protection & for the convenience & safety of public traffic. All such protective facilities & precautions to be taken shall conform with the "Rules and Regulations Governing the Use of Traffic Control Devices at Work Sites On or Adjacent to Public Streets and Highways" adopted by the Highway Safety Coordinator & the U.S. Federal Highway Administration's "Manual on Uniform Traffic Control Devices for Streets and Highways, Part VI - Traffic Controls for Highway Construction and Maintenance Operations", dated 1978 & Revision No. 4 dated March 1986.
- Full compensation for all additional materials & labor, not specifically shown or called for which are necessary to complete the construction of the project, shall be considered incidental to the various contract items in the proposal & no additional compensation will be allowed therefor.
- The underground pipes, cables or ductlines known to exist by the Engineer from his search of records are indicated on the plans. The Contractor shall verify the location and depth of the facilities and exercise proper care in excavating in the area. Wherever connections of new utilities to existing utilities are shown on the plans, the Contractor shall expose the existing utility lines at the proposed connections to verify their locations and depths prior to excavation for the new lines.
- All lanes shall be open to traffic during the morning peak hours from 6:00 a.m. to 8:30 a.m. and during the afternoon peak hours from 3:30 p.m. to 5:30 p.m. and during off-work hours.
- The Contractor shall remove all silt and debris resulting from his work and deposited in drainage facilities, roadways and other areas. The costs incurred for any necessary remedial action by the Engineer shall be payable by the Contractor.
- The Contractor, at his own expense, shall keep the project area and surrounding area from dust nuisance. The work shall be in conformance with the Air Pollution Control Standards and Regulations of the State Department of Health.
- All exposed areas shall be sodded or planted immediately after the grading work has been completed.
- Adjustments of manhole, catch basin, valve box, street monument, etc., frames and covers shall not be measured for payment separately but shall be considered incidental to various items of work.

NOTE FOR CONSTRUCTION WITHIN COUNTY RIGHT-OF-WAY

All construction work within the County Right-of-Way shall be performed in accordance with the Department of Transportation, Highways Division "Standard Plans, 1986" and "Standard Specifications for Road and Bridge Construction, 1985," as amended.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	
	QUANTITY BY	
	NO.	



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.
Harold I. Yoshizaki

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

NOTES & LEGEND

NAWILIWILI ROAD REALIGNMENT
HALEHAKA ROAD TO KAUMUALII HIGHWAY
FED. AID PROJECT NO. F-058-1(1)

SCALE: DATE: Sept. 1989

SHEET No. 1 OF 1 SHEETS