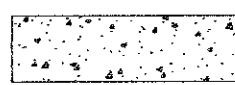
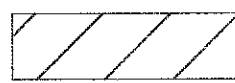
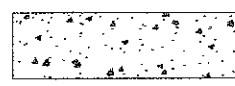









GENERAL NOTES

1. The scope of work for this project includes removing existing asphalt concrete pavement, bridge structure, drainage structures, waterline and appurtenances, vegetation, fencing, utility poles and electrical lines; constructing a new bridge and approach slabs; grading; installing drainage culverts and headwalls; reinstalling fence; reinstalling highway lighting, utility poles and electrical lines; reinstalling waterline and appurtenances; raising roadway profile and installing new guardrails; removing and installing asphalt concrete pavement and pavement markings and signage; and constructing and demolishing temporary detour road, including temporary drainage culvert, headwalls and lighting system.
2. The Contractor's attention is directed to the following sections of the special provisions: Subsection 107.13 - Public Convenience and Safety; Subsection 107.21 - Contractor's Responsibility for Utility Property and Services; and Section 645 - Traffic Control.
3. 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.
4. The existence and location of underground utilities, manholes, monuments, structures and bridge utilities 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 be held liable for any damages incurred to the existing facilities and/or improvements as a result of his operations.
5. The exact locations and limits or areas to be filled with leveling course, reconstructed and cold planed shall be as shown on the plans and verified in the field by the Engineer.
6. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.
7. Smooth riding connections shall be constructed at all limits of re-surfacing, including the beginning and end of project, connecting approaches, side streets and driveways as shown on the plans and/or as directed by the Engineer.
8. 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 the various contract items.
9. The Contractor shall provide for access to and from all existing side streets and driveways at all times.
10. All saw cutting work shall be considered incidental to the various contract items.
11. 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.
12. The Contractor shall be solely responsible for the protection of adjacent properties, utilities, and existing structures from damage due to construction. Repairing any damage shall be at the Contractor's own expense and to the satisfaction of the Engineer.
13. Removal and disposal of any debris shall be considered incidental to their respective bid items. The Contractor shall clean and remove any accumulation of aggregate along the roadside within 10 feet of the edge of pavement. This work shall be considered incidental to the various contract items and will not be paid for separately.
14. No work or equipment shall be located or take place within 10' of any overhead wires of any HECO utility pole. No excavation shall take place within 5' of any HECO utility pole.
15. The Contractor will immediately report to the Engineer and utility companies damage discovered or caused by his work to any utilities.

16. Prior to pavement surfacing operations, the Contractor shall be responsible for locating, preserving and marking all utility and highway facilities that will require adjustments to the new finished pavement grade. Additionally, the Contractor shall submit to the Engineer a list of all items, including water, drainage, sewer, electrical, telephone and cable utilities to be adjusted to the new finished grade. This work shall be considered incidental to the various contract items.
17. All work specified in the contract, but not listed separately in the proposal schedule shall be considered incidental to other various contract items and shall not be paid for separately.
18. In the event any artifacts or human remains are uncovered during construction operations, the Contractor shall immediately suspend work and notify the Honolulu Police Department, and the State Department of Land and Natural Resources, Historic Preservation Division (692-8015).
19. 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.
20. The Contractor is reminded of the requirements of Subsection 108.01 - 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.
21. The Contractor's attention is directed to the following Sections of the Special Provisions: Subsection 104.04 - Maintenance of Traffic; Subsection 107.13 - Public Convenience and Safety; Subsection 107.21 - Contractor's Responsibility for Utility Property and Services; and Section 645 - Traffic Control.
22. All GRP and riprap for the project shall be a minimum of 6 inches in dimension.

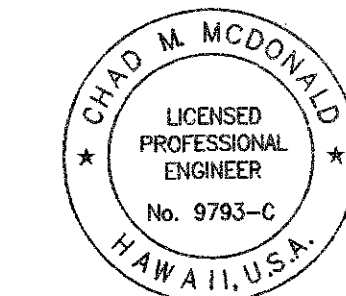
LEGEND

-  New Concrete/ PCC
-  A.C. Pavement Reconstruction Areas
-  Existing Concrete
-  Existing Traffic Sign
-  New Traffic Sign
-  New Traffic Sign With 2 Posts
-  New Metal Guardrail
-  Right-of-Way
-  Adjust Valve Box/ Manhole
-  Construction Survey Monument

ABBREVIATIONS

A.C.	ASPHALTIC CONCRETE	MB	MAILBOX
APPROX.	APPROXIMATE, APPROXIMATELY	MH	MANHOLE
ARV	AIR RELIEF VALVE	MIN	MINIMUM
@	AT	MISC	MISCELLANEOUS
Ⓐ	BASELINE	MSL	MEAN SEA LEVEL
BVC	BEGIN OF VERTICAL CURVE	MP	MILE POST
BC	BOTTOM OF CURB	MPH	MILES PER HOUR
BW	BOTTOM OF WALL	N	NORTH
Ⓒ	CENTERLINE	NTS	NOT TO SCALE
CONC.	CONCRETE	NO	NUMBER
CONN.	CONNECT, CONNECTION	O/S	OFFSET
CONT.	CONTINUE, CONTINUOUS	O/H	OVERHEAD LINE
C.O.	CLEAN OUT	OC	ON CENTER
CRM	CONCRETE RUBBLE MASONRY	OD	OUTSIDE DIAMETER
CY	CUBIC YARD	PAV'T	PAVEMENT
DET, DTL	DETAIL	PC	POINT OF CURVATURE
D, DIA, Ø	DIAMETER	PCC	PORTLAND CEMENT CONCRETE
DWG	DRAWING	PCC	POINT OF
DWY.	DRIVEWAY	PI	COMPOUND CURVE
DBL	DOUBLE	PIVC	POINT OF INTERSECTION
EA	EACH	POC	POINT OF CURVE
E	EAST	PT	POINT OF TANGENT
E/ELEC.	ELECTRIC	R	RADIUS
ELEV, EL	ELEVATION	RPM	RAISED PAVEMENT MARKERS
EMB	PAVEMENT	REQ'D	REQUIRED
ES	EDGE OF EMBANKMENT	REV	REVISION/REVISED
EP	EDGE OF SHOULDER	RT, R	RIGHT
EVC	END OF VERTICAL CURVE	ROW	RIGHT OF WAY
EXC	EXCAVATE	SHT	SHEET
EXIST	EXISTING	SIGMH	SIGNAL MANHOLE
EQ	EQUAL	S	SOUTH, SLOPE, SEWER
EXT	EXTENSION	SF	SQUARE FOOT
F.H.	FIRE HYDRANT	SY	SQUARE YARD
FT	FOOT, FEET	STD	STANDARD
GND.	GROUND	STA	STATION
G.P.	GUARD POST/ GUY POLE/GATE POST	STRUCT	STRUCTURAL
GRP	GROUTED RUBBLE PAVEMENT	TC	TOP OF CURB
G.W.	GUY WIRE	TEL	TELEPHONE
H	HEIGHT	THV	TOP HAND VAVLE
HAW	HAWAII	TP	TOP OF PIPE
HWY	HIGHWAY	TS	TOP OF STEM
HORIZ	HORIZONTAL	TV	TOP OF VALVE
IN	INCH	TW	TOP OF WALL
INV	INVERT	TYP.	TYPICAL
LT	LEFT	U.P.	UTILITY POLE
LF	LINEAR FOOT	U.P./S.L.	UTILITY POLE W/STREET LIGHT
MAX	MAXIMUM	VERT	VERTICAL
		VC	VERTICAL CURVE
		W	WATER
		W/	WITH
		W/O	WITHOUT
		WM	WATER METER
		WMH	WATER MANHOLE
		WV	WATER VALVE BOX

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



This work was prepared by me or under my supervision

Chad M. McDonald
4/30/2014
MITSUNAGA & ASSOCIATES, INC. EXP. DATE

NOTE: Contractor to check and verify dimensions of job before proceeding with work.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES-1 & LEGEND

KAMEHAMEHA HIGHWAY
REPLACEMENT OF KOKOLOLO STREAM BRIDGE
Federal Aid Project No. BR-083-1(50)

Scale: As Noted Date: August 2004

SHEET No. **C-1** OF **51** SHEETS

