FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-H-09-99M	2005	4	81

GENERAL NOTES

1. The scope of work for this project consists of providing maintenance access platforms for five bridges along the Hawaii Belt Road:
   a. Kapue Bridge
   b. Paheehee Bridge
   c. Kolekole Bridge
   d. Hakalau Bridge
   e. Umauma Bridge

   The various maintenance access platform systems consists of the following:
   a. Hanging Access Platform System
   b. Portable Access Platform System
   c. Trestle Access Platform System
   d. Lifeline System
   e. Access Plank System
   f. Scaffold System

2. 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 50 percent of the total contract cost less deductible items. Noncompliance with this Subsection may be grounds for rejection of bid.
3. 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.
4. The Contractor shall close no more than one lane of traffic.
5. 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 be held liable for any damages incurred to the existing facilities and/or improvements as a result of his operations.
6. The Contractor shall erect construction warning signs approximately 500 feet before the beginning of project and 500 feet after the end of project. See sheet S-80 for construction signs for bridge work.
7. 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.
8. The contractor shall provide for access to and from all existing side streets at all times.
9. Discrepancies – Contractor shall verify all dimensions and conditions. Report all discrepancies in writing to the State before commencing work or ordering materials.
10. Details shown on drawings shall be typical for all similar conditions.
11. Contractor shall perform work safely in accordance with all applicable OSHA regulations.
12. All welding shall be done in accordance with current edition of AWS specifications. All welding performed by certified welders.

MATERIALS

1. Structural Steel:	ASTM A572, Grade 50, Hot-dipped Galvanized and Painted.
2. Pipe:	ASTM A53, Grade B, Hot-dipped Galvanized and Painted.
3. Plate And Miscellaneous Components:	ASTM A36, Hot-dipped Galvanized and Painted.
4. Connection Bolts:	ASTM A325, Type 1, Hot-dipped Galvanized and Painted.

DESIGN CRITERIA

1. OSHA Regulations

TRAFFIC CONTROL

1. See special Provisions Section 645

REFERENCE DRAWINGS

Project Title	Project No.	Date
Kapue Bridge	SDR 3 (9)	Dec. 1949
Paheehee Bridge	SDR 3 (9)	Dec. 1949
Kolekole Bridge	SDR 3 (10)	Feb. 1950
Hakalau Bridge	SDR 3 (13)	Oct. 1950
Umauma Bridge	SDR 3 (13)	Oct. 1950

WATER POLLUTION AND CORROSION CONTROL NOTES:

1. Contractor shall conform to all EPA regulations when performing work on existing bridges. No debris or runoffs are allowed to fall into existing waterways

UTILITY NOTES:

1. Contractor shall protect all existing utilities mounted on bridge structures. Existing utilities shall be operational at all times.

ABBREVIATION LIST

abut	abutment
ac	asphalt concrete
approx	approximate
ASTM	American Society of Testing and Materials
az	azimuth
beg	beginning
betwn	between
bot	bottom
CIDH	cast in drilled hole
cip	cast in place
CL	center line
conc	concrete
cont	continuous
crm	cement rubble masonry
Det	Detail
Dia,dia	diameter
el	elevation
EQ	equal
exist	existing
FED	Federal
ft. foot,	foot, feet
ftg	footing
galv.	galvanized
HDPE	high density polyethylene
Horiz	horizontal
ID	inside diameter
jt	joint
M.P.	Mile Post
min	minimum
Nom	nominal
O.C.	on center
OD	outside diameter
pav't	pavement
PROJ	Project
PSI	pound per square inches
PVC	Poly Vinyl Chloride
reinf	reinforcement
ret	retaining
Sim	similar
sq	square
sta	station
symm	symmetric
t	thick
typ	typical
vert	vertical
SS	Stainless Steel

ORIGINAL PLAN
NOTE BOOK
No.
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE

BENNETT Y. FUNG
LICENSED PROFESSIONAL ENGINEER
NO. 6293-S
HAWAII USA

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Bennett Fung 4/30/06
SIGNATURE EXP. DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES & LEGEND

MAINTENANCE PLATFORM ON VARIOUS BRIDGES
PROJECT NO. HWY-H-09-99M

Scale: No Scale Date: Apr. 2005

Sheet No. 4 Of 81 Sheets