#### GENERAL NOTES

- The scope of work for this project consists of seismic retrofitting the Nienie Bridge and the Kawaihae Bridge in the vicinity of Honokaa and Kawaihae, respectively.
- 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.
- 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.
- 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 notify the Engineer in writing, two (2) weeks prior to starting paving operation.
- The Contractor shall erect construction warning signs approximately 500 feet before the beginning of project and 500 feet after the end of project or as directed by the Engineer.
- All holes, depressions and wheel ruts shall be filled and compacted with Asphalt Concrete Pavement, Mix No. V prior to resurfacing. This work will be paid for under Asphalt Concrete Pavement, Mix No. V.
- Smooth riding connections shall be constructed at all limits of resurfacing, 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.
- 10. Dressing of shoulder, sidewalk and bus turnout shall consist of clearing, grubbing, grading, reshaping and compacting the unpaved shoulders with suitable material as shown on the plans and/or as directed by the Engineer. This work shall be considered incidental to the various contract items.
- 11. 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.
- 12. Earth swale shall be graded to drain. This work shall be considered incidental to the various contract items.
- 13. The contractor shall provide for access to and from all existing side streets at all times.
- 14. All saw cutting work shall be considered incidental to Excavation for Reconstruction of Weakened Pavement Areas.
- 15. Unless otherwise indicated, drilled holes for epoxy shall be 12" deep and 1/4" larger than the dowel reinforcement diameter.
- 16. The contractor shall verify all controlling field dimensions before ordering or fabricating any material.

## MATERIALS

1. Concrete 28—Day Strength!: f'c= 5000 PSI

2. Reinforcing Steel: ASTM A615, Grade 60

#### DESIGN CRITERIA

1. Acceleration Coefficient (A) . . . . . . . 0.35.

# TRAFFIC CONTROL

1. See special Provisions

#### REFERENCE DRAWINGS

<u>Project Title</u>	<u>Project No.</u>	<u>Date</u>
Nienie Bridge	F019-1(1)	April 1961
Kawaihae Bridge	S-0260(1)	January 1959

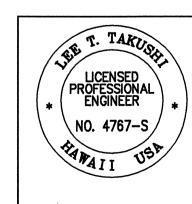
### **LEGEND**

Indicates Existing Structure . . . . . . . . . . . . . . . . Indicates New Construction

# ABBREVIATION LIST

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL
HAWAII	HAW.	BR-0100(61)	1999	3	17

<u>ADDREVIA II</u>	ON FIST	DIS1. NO.		PROU. NO.	TEAR
abut	abutment	HAWAII	HAW.	BR-0100(61)	1999
ac	asphalt concrete				
approx	approximate				
ASTM	American Society	of Test	ting	and Mater	ials
αz	azimuth		3		
beg	beginning				
betwn	between				
bot	bottom				
cip	cast in place				
CL	center line				
clr.	clear				
conc	concrete				
cont	continuous				
crm	cement rubble mo	asonry			
Det	Detail				
Dia,dia	diameter				
el	elevation				
EQ	equal				
exist	existing				
FED ft foot	Federal fact fact				
ft. foot,	foot, feet				
ftg galv.	footing galvanized				
	garvarnzea graded rubble pav	<i>i</i> na			
grp HDPE	high density polye	_			
Horiz	horizontal	cityleile			
ID	inside diameter				
jt	joint				
M.P.	Mile Post				
min	minimum				
Nom	nominal				
O.C.	on center				
opp.	opposite side				
OD	outside diameter				
pav't	pavement				
PROJ	Project				
PSI	pounds per squar	e inch			
reinf	reinforcement				
ret	retaining				
Sim	similar				• •
spa.	spacing				
sq	square				
sta	station				
symm	symmetric				
t	thick				



typical

vert

WD

vertical

working point

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

**GENERAL NOTES** 

SEISMIC RETROFIT OF VARIOUS BRIDGES, Tusal **VICINITY OF HONOKAA AND KAWAIHAE** This work was prepared by FEDERAL AID PROJECT NO. BR-0100(61) STRUCTURAL STAMP | SCALE: AS NOTED DATE: AUGUST 1999

SHEET No. S1 OF 15 SHEETS