

LEGEND AND ABBREVIATIONS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-063-1(22)	2003	44	69

LEGEND				ABBREVIATIONS			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
	EQUIPMENT INDICATOR EQUIPMENT ABBREVIATION MARK NUMBER			AMB	AMBIENT	HP	HORSEPOWER
⊙	AT			ARCH	ARCHITECTURAL	HZ	HERTZ
∅	DIAMETER, PHASE			BHP	BRAKE HORSEPOWER	IN	INCHES
	EQUIPMENT TO BE DEMOLISHED			CONN.	CONNECTION	KW	KILOWATT
				CONT	CONTINUATION	LBS	POUNDS
				DET	DETAIL	LB FT	POUND FOOT
				DWGS	DRAWINGS	LRA	LOCK ROTOR AMPERES
				EER	ENERGY EFFICIENCY RATIO	MAX.	MAXIMUM
				ELEC	ELECTRICAL	MIN.	MINIMUM
				EM	ELECTRIC MOTOR	NO.	NUMBER
				EXIST	EXISTING	NTS	NOT TO SCALE
				EXH	EXHAUST	POC	POINT OF CONNECTION
				FIN	FINISH	PH	PHASE
				FLA	FULL LOAD AMPERES	RLA	RATED LOAD AMPERES
				FT	FEET	RPM	REVOLUTIONS PER MINUTE
				FLEX	FLEXIBLE	SF	SQUARE FEET
				FLR	FLOOR	STRUCT	STRUCTURAL
				GD	GEAR DRIVE	TEMP	TEMPERATURE
						TYP	TYPICAL
						V	VOLTS
						W	WIDTH
						W/	WITH

NOTES

- CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AFFECTING WORK SHOWN UNDER THIS CONTRACT AT THE JOB SITE. REPORT ANY DISCREPENCIES IMMEDIATELY TO THE ENGINEER.
- COORDINATE WORK WITH ALL TRADES. VERIFY FIELD CONDITIONS AFFECTING OR AFFECTED BY THIS INSTALLATION. SHOULD CONFLICTS OCCUR, NOTIFY THE ENGINEER IMMEDIATELY.
- DESIGN HAS BEEN BASED ON EXISTING CONDITIONS THAT ARE EASILY AND READILY OBSERVABLE FOR FIELD VERIFICATION. HOWEVER, ASSUMPTIONS OF EXISTING CONDITIONS HAVE BEEN MADE FOR THOSE CONDITIONS THAT ARE NOT ACCESSIBLE FOR FIELD VERIFICATION. IT SHALL REMAIN THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL SUCH HIDDEN CONDITIONS DURING CONSTRUCTION WORK IN ORDER TO ACCOMPLISH WORK SHOWN ON THESE DRAWINGS.
- ALL EQUIPMENT AND MATERIALS INDICATED ON THESE DRAWINGS ARE EXISTING AND ARE TO REMAIN UNLESS OTHERWISE NOTED.
- ALL DEMOLITION WORK SHALL BE DONE WITH CARE TO AVOID DAMAGE TO EXISTING ELEMENTS THAT ARE TO REMAIN OR TO BE RE-USED. ANY DAMAGES RESULTING FROM CONTRACTOR'S CARELESSNESS SHALL BE REPAIRED OR ELEMENTS REPLACED TO THE ENGINEER'S SATISFACTION.
- ALL SURFACES/MATERIALS DISTURBED AS A RESULT OF DEMOLITION OR INSTALLATION OF NEW WORK SHALL BE REPAIRED/FINISHED TO MATCH EXISTING ADJACENT SURFACES/MATERIALS.

HOISTING OPTION:

OBTAIN PERMISSION FROM DOT TO USE 5 TON BRIDGE CRANE FOR THE SETTING OF THE MOTORS AND DRIVES. CONTRACTOR SHALL ASSUME FULL LIABILITY FOR CRANE USE 3/16".

EQUIPMENT SCHEDULE

ELECTRIC MOTOR									
MARK NO.	LOCATION	TYPE	FRAME	HP	RPM	FLA	V/PH/HZ	UNIT WEIGHT (LBS)	R E M A R K S
	UPPER LEVEL	ELECTRIC MOTOR	5009NS	350	1800	371	460/3/60	4300	MOTOR FOR KANEOHE FAN # 1
	UPPER LEVEL	ELECTRIC MOTOR	5009NS	350	1800	371	460/3/60	4300	MOTOR FOR KANEOHE FAN # 2
	UPPER LEVEL	ELECTRIC MOTOR	405T	100	1800	240	460/3/60	1500	MOTOR FOR KALIHI FAN # 1
	UPPER LEVEL	ELECTRIC MOTOR	405T	100	1800	240	460/3/60	1500	MOTOR FOR KALIHI FAN # 2

GEAR DRIVE							
MARK NO.	LOCATION	TYPE	INPUT RPM	OUTPUT RPM	RATED HP	UNIT WEIGHT (LBS)	R E M A R K S
	UPPER LEVEL	GEAR DRIVE	1800	440	350	1100	
	UPPER LEVEL	GEAR DRIVE	1800	440	350	1100	
	UPPER LEVEL	GEAR DRIVE	1800	355	100	500	
	UPPER LEVEL	GEAR DRIVE	1800	355	100	500	

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

\\A:\DRAWINGS\PROJECT 5 - 2002\Wilson Tunnel\m-1.dwg



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

Malcolm Y. Miyashiro

SIGNATURE April 30, 2004
EXPIRATION DATE
OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**MECHANICAL LEGEND, ABBREVIATION,
EQUIPMENT SCHEDULE, AND NOTES**
LIKELIKE HIGHWAY
Wilson Tunnel Improvements
Leak and Crack Remediation
F. A. Project No. STP-063-1(22)
Scale: NONE Date: April 24, 2003
SHEET No. M-1 OF 4 SHEETS