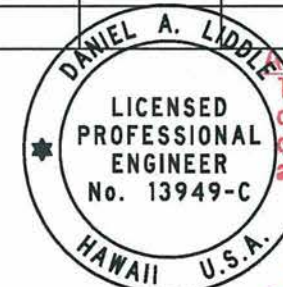


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SUMMARY OF QUANTITIES - SCHEDULE A

STATE	PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(7)	B1	B29

SHEET NUMBER			B6	B7-B8	B9-B11	B12	B13-B21	B22-B23	B24	B25-B29	ESTIMATED QUANTITIES		REMARKS AND/OR DETERMINATION OF ESTIMATED QUANTITIES
SHEET DESCRIPTION			GRADING SUMMARY	SURFACING SUMMARY	DRAINAGE SUMMARY	EROSION CONTROL SUMMARY	PERMANENT SIGN SUMMARY	PERMANENT PAVEMENT MARKING SUMMARY	TRAFFIC CONTROL SUMMARY	MISCELLANEOUS SUMMARIES	PLAN	BID SCHEDULE	
ITEM NO.		UNIT											
15101-0000	MOBILIZATION	LPSM									ALL	ALL	
15206-0000	SLOPE, REFERENCE, AND CLEARING AND GRUBBING STAKE	STA								162.1	162.1	163.0	
15210-4000	CENTERLINE, ESTABLISHMENT	STA								162.1	162.1	163.0	
15215-1000	SURVEY AND STAKING, APPROACH ROAD	EACH								9' 10	9	9	10
15215-3000	SURVEY AND STAKING, DRAINAGE STRUCTURE	EACH			14						14	14	
15215-4000	SURVEY AND STAKING, PERMANENT MONUMENT AND MARKER	EACH									5	5	7 Installed
15216-1000	SURVEY AND STAKING, ROADWAY CROSS-SECTIONS	STA								324.2	324.2	325.0	
15216-2000	SURVEY AND STAKING, GRADE FINISHING STAKES	STA								831.2	831.2	832.0	841.2
15301-0000	CONTRACTOR QUALITY CONTROL	LPSM									ALL	ALL	
15501-0000	CONSTRUCTION SCHEDULE	LPSM									ALL	ALL	CPM SCHEDULE ONLY
15703-2500	SOIL EROSION CONTROL, MULCHING, HYDRAULIC METHOD	ACRE				6.9					6.9	7.5	9.567
15705-0100	SOIL EROSION CONTROL, SILT FENCE	LNFT				17,872					17,872	17,900	16,307
15705-1400	SOIL EROSION CONTROL, SEDIMENT LOG	LNFT				2,069					2,069	2,100	1,780
15706-0200	SOIL EROSION CONTROL, CHECK DAM	EACH				90					90	95	58
15801-0000	WATERING FOR DUST CONTROL (AND EARTHWORK)	MGAL									7,000	7,000	14,547
20101-0000	CLEARING AND GRUBBING	ACRE								31.8	31.8	32.0	
20301-1200	REMOVAL OF HEADWALL	EACH			3						3	3	
20301-2400	REMOVAL OF SIGN	EACH					31	24			31	31	24
20302-0700	REMOVAL OF FENCE	LNFT								749	749	749	640
20302-1200	REMOVAL OF GUARDRAIL	LNFT								980	980	980	
20303-1600	REMOVAL OF PAVEMENT, ASPHALT	SQYD								9,379	9,379	9,600	9,849
20402-0000	SUBEXCAVATION (FOUNDATION PREPARATION IN ASH)	CUYD									34,590	35,000	11,394
20420-0000	EMBANKMENT CONSTRUCTION	CUYD	50,759								50,759	55,800	42,101
20443-0000	BERMS	LNFT			663						663	675	383
21101-1000	ROADWAY OBLITERATION, METHOD 1	SQYD								1,668	1,668	1,800	
21101-1000	ROADWAY OBLITERATION, METHOD 1 (TRAILS)	SQYD								3,987	3,987	4,400	
21201-0000	LINEAR GRADING (MAINLINE)	STA									67.3	68.0	61.75
21201-0000	LINEAR GRADING (MSR DETOUR)	STA									12.0	12.0	
25101-1000	PLACED RIPRAP, CLASS 1	CUYD			288						288	300	276
25101-2000	PLACED RIPRAP, CLASS 2	CUYD			225						225	235	292
25101-3000	PLACED RIPRAP, CLASS 3	CUYD			101						101	105	85
25110-2000	GROUTED RIPRAP, CLASS 2	CUYD			178						178	190	266



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 Daniel A. Liddle
 Expiration Date of License 4/30/2014

AS-BUILT DRAWINGS/SPECIFICATIONS
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 GOODFELLOW BROS., INC.
 Contractor's Name:

Signature: [Signature] Date: 1/2/14

U.S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION
 CENTRAL FEDERAL LANDS HIGHWAY DIVISION

SUMMARY OF QUANTITIES SCHEDULE A

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SUMMARY OF QUANTITIES - SCHEDULE A

STATE	PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(7)	B2	B29

SHEET NUMBER			B6	B7-B8	B9-B11	B12	B13-B21	B22-B23	B24	B25-B29	ESTIMATED QUANTITIES		REMARKS AND/OR DETERMINATION OF ESTIMATED QUANTITIES
SHEET DESCRIPTION			GRADING SUMMARY	SURFACING SUMMARY	DRAINAGE SUMMARY	EROSION CONTROL SUMMARY	PERMANENT SIGN SUMMARY	PERMANENT PAVEMENT MARKING SUMMARY	TRAFFIC CONTROL SUMMARY	MISCELLANEOUS SUMMARIES	PLAN	BID SCHEDULE	
ITEM NO.		UNIT											
30101-0000	AGGREGATE BASE	TON		116,871						37,453	154,324	161,900	BASED ON UNIT WEIGHT OF 145.2 lb/ft ³ ⁹⁸⁵ 152,774
30608-0000	DUST PALLIATIVE APPLICATION (DETOURS/ROADS/QUARRY HAUL)	GAL									35,000	35,000	21,450
31101-0000	STOCKPILED AGGREGATE	TON									23,500	23,500	1 TON PER EACH 12 TON USED ^{23,749}
40201-1300	HOT ASPHALT CONCRETE PAVEMENT, MARSHALL TEST, CLASS A, GRADING E	TON		61,919							61,919	64,000	BASED ON UNIT WEIGHT OF 155.0 lb/ft ³ ^{57,175}
40202-1300	HOT ASPHALT CONCRETE PAVEMENT, MARSHALL TEST, CLASS A, GRADING E, WEDGE OR LEVELING COURSE	TON		2,138							2,138	2,200	BASED ON UNIT WEIGHT OF 155.0 lb/ft ³ ⁴⁷¹
40205-3000	ANTISTRIP ADDITIVE, TYPE 3	TON		635							635	640	BASED ON 1.0% OF HMA ⁵⁴⁷
40920-1000	FOG SEAL, EMULSIFIED ASPHALT GRADE CSS-1 OR CSS-1H, SS-1 OR SS-1H	TON		138							138	140	BASED ON APPLICATION RATE OF 0.10 GAL/YD ²
41101-3000	PRIME COAT GRADE CSS-1, CSS-1H, SS-1, OR SS-1H	TON		423							423	430	BASED ON APPLICATION RATE OF 0.3 GAL/YD ²
41201-1000	TACK COAT GRADE CSS-1, CSS-1H, SS-1, OR SS-1H	TON		147							147	150	BASED ON APPLICATION RATE OF 0.1 GAL/YD²
41301-0600	ASPHALT PAVEMENT MILLING, 2-INCH DEPTH	SQYD		414							414	420	PAVEMENT TRANSITION AREA ^{3,304}
58001-0000	ALTERNATE BRIDGE	LPSM									ALL	ALL	
60101-0000	CONCRETE	CUYD			3					7	10	12	
60201-0800	24-INCH PIPE CULVERT	LNFT			2,139						2,139	2,150	^{2,105}
60201-0900	30-INCH PIPE CULVERT	LNFT			226						226	230	²⁰⁵
60210-0900	END SECTION FOR 30-INCH PIPE CULVERT (CONCRETE)	EACH			3						3	3	
60210-0900	END SECTION FOR 30-INCH PIPE CULVERT (CAP)	EACH			1						1	1	
60401-0000	MANHOLE (TYPE B)	EACH			1						1	1	
60401-0000	MANHOLE (TYPE D)	EACH			2						2	2	
60403-0000	INLET (TYPE 61616P)	EACH			2						2	2	
60403-0000	INLET (TYPE 1211216P)	EACH			9						9	9	
60901-2100	CURB, ASPHALT, 4-INCH DEPTH	LNFT								20,331	20,331	20,400	^{20,021}
60905-1000	GUTTER, CONCRETE	LNFT		2,000							2,000	2,000	^{1,989}
61701-1200	GUARDRAIL SYSTEM G4, TYPE 2, CLASS A STEEL POSTS	LNFT								4,580	4,580	4,580	ALTERNATE POST HOLE ARRANGEMENT ^{4,537}
61702-0600	TERMINAL SECTION, TYPE FLARED (FLEAT)	EACH								4	4	4	
61702-0800	TERMINAL SECTION, TYPE TANGENT	EACH								2	2	2	
61901-0200	FENCE, WOVEN WIRE, 48-INCH HEIGHT	LNFT								7,941	7,941	7,950	^{7,850}
61901-1600	FENCE, CHAIN LINK, 48-INCH HEIGHT	LNFT									250	255	SEE SHEET S1 FOR UNDERPASS QUANTITIES ²²²
61902-1600	GATE, METAL, 20 FEET WIDTH	EACH								9	9	9	¹⁰
61904-0000	BOLLARD POST	EACH									12	12	SEE SHEET S1 FOR UNDERPASS QUANTITIES ²⁰
62101-0000	MONUMENT	EACH								142	142	142	³⁷
62201-0150	DUMP TRUCK, 7 CUBIC YARD MINIMUM CAPACITY	HOURL									80	80	AS DIRECTED BY CO
62201-0550	BACKHOE LOADER, 6 CUBIC FOOT MINIMUM RATED CAPACITY BUCKET, 24-INCH WIDTH	HOURL									80	80	AS DIRECTED BY CO
62201-1000	WHEEL LOADER, 4 CUBIC YARD MINIMUM RATED CAPACITY	HOURL									60	60	AS DIRECTED BY CO



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Daniel A. Liddle
Expiration Date of License 4/30/2014

AS-BUILT DRAWINGS/SPECIFICATIONS
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GOODFELLOW BROS., INC.
Contractor's Name:

[Signature]
Signature Date: *1/2/14*

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

SUMMARY OF QUANTITIES SCHEDULE A

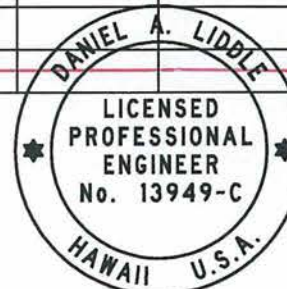
SHEET 2 of 4

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SUMMARY OF QUANTITIES - SCHEDULE A

STATE	PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(7)	B3	B29

SHEET NUMBER			B6	B7-B8	B9-B11	B12	B13-B21	B22-B23	B24	B25-B29	ESTIMATED QUANTITIES		REMARKS AND/OR DETERMINATION OF ESTIMATED QUANTITIES
SHEET DESCRIPTION			GRADING SUMMARY	SURFACING SUMMARY	DRAINAGE SUMMARY	EROSION CONTROL SUMMARY	PERMANENT SIGN SUMMARY	PERMANENT PAVEMENT MARKING SUMMARY	TRAFFIC CONTROL SUMMARY	MISCELLANEOUS SUMMARIES	PLAN	BID SCHEDULE	
ITEM NO.		UNIT											
62201-1400	BULLDOZER, 250HP MINIMUM FLYWHEEL POWER	HOURL									60	60	AS DIRECTED BY CO
62201-2850	MOTOR GRADER, 12 FOOT MINIMUM BLADE	HOURL									80	80	AS DIRECTED BY CO
62201-3350	HYDRAULIC EXCAVATOR, 1 CUBIC YARD MINIMUM CAPACITY	HOURL									60	60	AS DIRECTED BY CO
62202-1000	MATERIALS TRANSFER VEHICLE	LPSM									ALL	ALL	
62301-0000	GENERAL LABOR	HOURL									300	300	AS DIRECTED BY CO
62302-1000	SPECIAL LABOR, HIRED TECHNICAL SERVICES	HOURL									40	40	AS DIRECTED BY CO
62302-1100	SPECIAL LABOR, HIRED SURVEY SERVICES	HOURL									80	80	AS DIRECTED BY CO
62407-0000	PLACING CONSERVED TOPSOIL	CUYD	7,030								7,030	7,100	389
62535-0000	HERBICIDE	GAL									210	210	
62901-1000	ROLLED EROSION CONTROL PRODUCT, TYPE 3.B	SQYD				13,883					13,883	14,000	9,569
63301-0000	SIGN SYSTEM	EACH					183				183	183	174
63301-0000	SIGN SYSTEM (FLASHING BEACON)	EACH					15				15	15	
63308-0000	OBJECT MARKER	EACH					230				230	230	212
63309-0000	DELINEATOR	EACH					169				169	169	174
63309-0900	DELINEATOR, TYPE FLEXIBLE	EACH								20	20	20	
63314-0000	RUMBLE STRIP	STA						2			2	2	
63316-1000	REMOVE AND RESET SIGN	EACH					11				11	11	12
63401-1700	PAVEMENT MARKINGS, TYPE I, SOLID	LNFT						516,668			516,668	518,500	243,222
63403-0900	PAVEMENT MARKINGS, TYPE I	SQFT						2,060			2,060	2,100	1,088
63406-0000	RAISED PAVEMENT MARKER	EACH						15,214			15,214	15,800	18,155
63502-0500	TEMPORARY TRAFFIC CONTROL, BARRICADE TYPE 2	EACH							10		10	10	
63502-0600	TEMPORARY TRAFFIC CONTROL, BARRICADE TYPE 3	EACH							15		15	15	
63502-1050	TEMPORARY TRAFFIC CONTROL, TUBULAR MARKER	EACH							250		250	250	
63502-1300	TEMPORARY TRAFFIC CONTROL, DRUM	EACH							99		99	99	
63502-1500	TEMPORARY TRAFFIC CONTROL, WARNING LIGHT TYPE A	EACH							60		60	60	
63502-1600	TEMPORARY TRAFFIC CONTROL, WARNING LIGHT TYPE B	EACH							12		12	12	
63502-1700	TEMPORARY TRAFFIC CONTROL, WARNING LIGHT TYPE C	EACH							60		60	60	
63502-2100	TEMPORARY TRAFFIC CONTROL, CRASH CUSHION	EACH							2		2	2	
63502-3100	TEMPORARY TRAFFIC CONTROL, TRAFFIC SIGNAL SYSTEM	EACH							2		2	2	
63503-0400	TEMPORARY TRAFFIC CONTROL, CONCRETE BARRIER	LNFT							4,900		4,900	4,900	957
63503-0700	TEMPORARY TRAFFIC CONTROL, PAVEMENT MARKINGS	LNFT							20,600		20,600	21,000	14,957
63503-0800	TEMPORARY TRAFFIC CONTROL, PAVEMENT MARKING REMOVAL	LNFT							25,400		25,400	25,500	27,939
63503-1000	TEMPORARY TRAFFIC CONTROL, PLASTIC FENCE	LNFT							3,500		3,500	3,500	



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Daniel A. Liddle
Expiration Date of License 4/30/2014

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GOODFELLOW BROS., INC.
Contractor's Name:

[Signature] 1/2/14
Signature Date

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

SUMMARY OF QUANTITIES SCHEDULE A

SHEET 3 of 4

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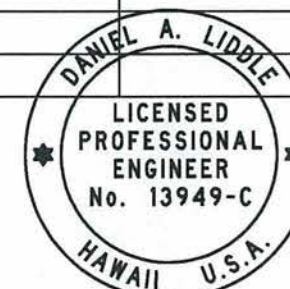
SUMMARY OF QUANTITIES - SCHEDULE A

STATE	PROJECT	SHEET NO.	TOTAL SHEET
HI	HI A-AD 6(7)	B4	B29

[illegible]

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Signature _____ Date 1/2/14



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David L. Liddle
Expiration Date of License 4/30/2014

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

SUMMARY OF QUANTITIES SCHEDULE A

SHEET 4 of 4

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SUMMARY OF QUANTITIES - OPTION X

STATE	PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(7)	B5	B29

[illegible]

AS-BUILT DRAWINGS/SPECIFICATIONS

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GOODFELLOW BROS., INC.
Contractor's Name:

Contractor's Name: _____
Signature: Y. Kew Date: 1/2/14



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or under my supervision
Daniel A. Liddle
Expiration Date of License 4/30/2014

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

SUMMARY OF QUANTITIES OPTION X

SHEET 1 of 1