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3/21/2012

PERMANENT PAVEMENT MARKING SUMMARY

STATE	PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(7)	B22	B29

Station to Station			RUMBLE STRIP, SHOULDER (OPTION X) LNFT 63313-1000	RUMBLE STRIP STA 63314-0000	PAVEMENT MARKINGS, TYPE I, SOLID LNFT 63401-1700										PAVEMENT MARKINGS, TYPE I SQFT 63403-0900	RAISED PAVEMENT MARKER EACH 63406-0000	REMARKS
					4-INCH WIDTH				8-INCH WIDTH		12-INCH WIDTH			24-INCH			
					WHITE DASHED GUIDE STRIPE	DOUBLE YELLOW CENTER STRIPE	YELLOW CENTER STRIPE	WHITE EDGE LINE	WHITE EDGE LINE	WHITE CHANNELIZING STRIPE	WHITE TRANSVERSE STRIPE	WHITE MEDIAN STRIPE	YELLOW MEDIAN STRIPE	WHITE STOP BAR			
Saddle Road																	
200+00	to	208+00	800	1		5,028		3,376	2,176	576		3,240	1,452	144		202	
208+00	to	222+00	1,400	1		5,600		5,610								316	
222+00	to	236+00	1,933			5,600		5,610								316	
236+00	to	250+00	2,800			5,600		5,602								315	
250+00	to	264+00	2,800			5,600		5,600								315	
264+00	to	278+00	2,800			5,600		5,580								314	
278+00	to	292+00	2,731			5,600		5,596								315	
292+00	to	306+00	2,800			5,600		5,610								315	
306+00	to	320+00	2,732			5,008	296	5,600								330	
320+00	to	334+00	2,800				2,800	5,598								455	
334+00	to	348+00	2,800			3,296	1,152	5,598								372	
348+00	to	362+00	2,800			5,600		5,604								315	
362+00	to	376+00	2,800			5,600		5,600								315	
376+00	to	390+00	2,800			1,768	1,916	5,600								411	
390+00	to	404+00	2,800			2,400	1,600	5,600								395	
404+00	to	418+00	2,800			5,600		5,600								315	
418+00	to	432+00	2,800			2,120	1,740	5,606								403	
432+00	to	446+00	2,732				2,800	5,602								455	
446+00	to	460+00	2,800				2,800	5,600								455	
460+00	to	474+00	2,800				2,800	5,598								455	
474+00	to	488+00	2,732			3,176	1,212	5,590								375	
488+00	to	502+00	2,732			5,600		5,600								315	
502+00	to	516+00	2,800			5,600		5,606								315	
516+00	to	530+00	2,800			5,600		5,608								316	
530+00	to	544+00	2,732			4,900	350	5,600								332	
544+00	to	558+00	2,800			572	2,514	5,594								441	
558+00	to	572+00	2,800			5,600		5,596								315	
572+00	to	586+00	2,800			2,000	1,800	5,600								405	
586+00	to	600+00	2,800				2,800	5,600								455	
600+00	to	614+00	2,800				2,800	5,610								456	
614+00	to	628+00	2,800			4,780	408	5,608								337	
628+00	to	642+00	2,800			5,600		5,606								315	
642+00	to	656+00	2,657			5,600		5,592								315	

AS-BUILT DRAWINGS/SPECIFICATIONS

This certifies that the dimensions and details shown on this sheet reflect the actual dimensions and details and specifications as constructed in the field.

GOODFELLOW BROS., INC.

Contractor's Name:

Signature

1/2/18

Date

DANIEL A. LIDDLE

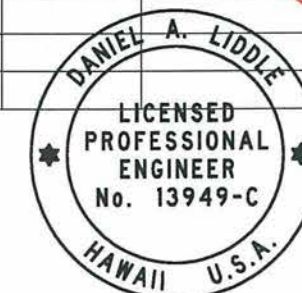
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See following sheets for summary

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

John Han 1/2/14
Signature Date



This work was prepared by me
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

PERMANENT PAVEMENT
MARKING SUMMARY

SHEET 1 of 2

NOTE:
1. Quantities account for two (2) coats of waterborne traffic paint (Type B). Apply each coat at 210 square feet per gallon.

PERMANENT PAVEMENT MARKING SUMMARY

Station	to	Station	RUMBLE STRIP, SHOULDER (OPTION X) LNFT 63313-1000	RUMBLE STRIP STA 63314-0000	PAVEMENT MARKINGS, TYPE I, SOLID										PAVEMENT MARKINGS, TYPE I SQFT 63403-0900	RAISED PAVEMENT MARKER EACH 63406-0000	REMARKS
					LNFT 63401-1700												
					4-INCH WIDTH				8-INCH WIDTH		12-INCH WIDTH			24-INCH			
					WHITE DASHED GUIDE STRIPE	DOUBLE YELLOW CENTER STRIPE	YELLOW CENTER STRIPE	WHITE EDGE LINE	WHITE EDGE LINE	WHITE CHANNELIZING STRIPE	WHITE TRANSVERSE STRIPE	WHITE MEDIAN STRIPE	YELLOW MEDIAN STRIPE	WHITE STOP BAR			
656+00	to	670+00	2,800			5,600		5,584			120					314	
670+00	to	684+00	2,800			5,600		5,600			360					315	
684+00	to	698+00	1,500		300	7,416		7,098		800	240		504			471	
698+00	to	712+00	1,718		660	10,868		8,348		4,768	180		4,314		192	627	
712+00	to	726+00	2,800		660	11,200		6,052		3,600	480		3,570		580	464	
726+00	to	740+00	2,800		426	6,808		5,600			360		168		172	185	
740+00	to	754+00	1,594			10,192		6,364			300		5,070		172	287	
Saddle/Saddle Intersection						1,828		1,216					336	264		37	Existing Saddle Striping Only
Saddle Road Total			103,592	2	2,046	184,160	29,788	228,462	2,176	9,744	2,040	3,240	15,414	408	1,116	14,476	
Mamalahoa Highway																	
763+63	to	773+00			224	6,196		3,750								124	HWY 190
773+00	to	787+00			1,140	10,464		6,334	928	1,140					944	494	
787+00	to	796+12			526	5,980		3,648								120	
Mamalahoa Highway Total					1,890	22,640		13,732	928						944	738	
Project Subtotals			103,592	2	3,936	206,800	29,788	242,194	3,104	9,744	2,040	3,240	15,414	408	2,060	15,214	
PROJECT TOTAL			103,592	2	516,668										2,060	15,214	AS BUILT DRAWING(S) REQUIRED

NOTE:
1. Quantities account for two (2) coats of waterborne traffic paint (Type B). Apply each coat at 210 square feet per gallon.

AS BUILT DRAWINGS/SPECIFICATIONS
This certifies that the dimensions and details shown on this sheet reflect the dimensions and details and specifications as constructed in the field.

GOODFELLOW BROS., INC.
Contractor's Name:

John Han
Signature
1/2/14
Date

See following sheets for summary



This work was prepared by me 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

PERMANENT PAVEMENT MARKING SUMMARY

SHEET 2 of 2

MAMALAHOA HWY. STRIPING
COMPLETE

Location Description	8" Solid Lines	Pay Quantity (LF)	8" Broken Lines	Pay Quantity (LF)	4" Solid Lines	Pay Quantity (LF)	4" Broken Lines	Pay Quantity (LF)	12" Solid Lines	Pay Quantity (LF)
4" White Fog Line RT from BOP around radius to Saddle Road 202+00					1,718	1,718				
4" White Fog Line RT from Saddle Road 202+00 around radius to EOF					1,691	1,691				
4" White Fog Line LT from BOP to EOP					3,260	3,260				
4" White Eastbound Right Turn to Saddle Road Channel Line:					217	217				
4" White Eastbound Right Turn to Saddle Road Dashed Line:							153	153		
4" White Westbound Acceleration Lane from Saddle Road Channel Line:					316	316				
4" White Westbound Acceleration Lane from Saddle Road Dashed Line:							272	272		
8" White Westbound Accel/Turn Lane Channel Line:	298	596								
4" White Westbound Left Turn to Saddle Road Channel Line:					365	365				
4" White Westbound Left Turn to Saddle Road Dashed Line:							183	183		
4" White Eastbound Merge Left to Mamalahoa Hwy. Channel Line:					584	584				
4" White Eastbound Merge Left to Mamalahoa Hwy. Dashed Line:							285	285		
West Median 12" Yellow Hashes									409	1,227
East Median 12" Yellow Hashes									406	1,218
West Median 4" Yellow inside loop					2,570	2,570				
East Median 4" Yellow inside loop					2,499	2,499				
West Median & CL 4" Yellow					4,272	4,272				
East Median & CL 4" Yellow					3,250	3,250				
8" White Channelizing Triangle, East Side	354	708								
8" White Channelizing Triangle, West Side (Includes ent. & exit channels)	695	1,390								
12" White Channelizing Triangle Hashes (East Triangle)									236	708
12" White Channelizing Triangle Hashes (West Triangle)									322	966
12" White Stop Bar									12	36
TOTALS		2,694		0		20,742		893		4,155

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1/2/14 Date

SADDLE ROAD STRIPING
Complete

Location Description	8" Solid Lines	Pay Quantity (LF)	8" Broken Lines	Pay Quantity (LF)	4" Solid Lines	Pay Quantity (LF)	4" Broken Lines	Pay Quantity (LF)	12" Solid Lines	Pay Quantity (LF)
BOP Median 12" Yellow Hashes									188	564
BOP Median 4" Yellow inside CL Loop					959	959				
BOP Median 4" Yellow outside CL up to Station 205+40					1,004	1,004				
Station RT CL Yellow from 205+40 to 647+30 (Begin Bridge)					44,190	44,190				
Station LT CL Yellow from 205+40 to 248+00					4,260	4,260				
Station LT CL Yellow from 272+00 to 281+00					900	900				
Station LT CL Yellow from 300+00 to 306+00					600	600				
Station LT CL Yellow from 480+00 to 487+50					750	750				
Station LT CL Yellow from 514+00 to 530+00					1,600	1,600				
Station LT CL Yellow from 618+00 to 647+30 (Begin Bridge)					2,930	2,930				
CL Yellow from 647+30 to Begin Median (693+50 ish)					9,306	9,306				
CL Median Yellow (Old Saddle Back on Line)					5,776	5,776				
12" Yellow Hashes									727	2,181
Old Saddle Back Median (Misc. white lines)	439	878			1,702	1,702				
CL Median Yellow (Old Saddle Ahead on Line)					7,752	7,752	434	434		
12" Yellow Hashes									767	2,301
Old Saddle Ahead Median (Misc. white lines)					1,704	1,704	292	292		
CL Yellow from Median to Beginning of EOP Median					2,320	2,320				
CL Yellow EOP Median					5,908	5,908				
12" Yellow Hashes									878	2,634
EOP Median (Misc. white lines)	58	116			869	869	352	352		
Station RT Fog Line from 202+00 to 753+90 (less 5 app. Rd. gaps @ 24' Each)					55,070	55,070				
Station LT Fog Line from 202+00 to 687+00 (less 4 app. Rd. gaps @ 24' Each)					48,404	48,404				
Station LT Edge Line from 687+00 to end of Old Saddle Connector					2,390	2,390				
Station LT Edge Line from Old Saddle Conn. to 753+90 (less one 24' app. Rd. gap)					4,807	4,807				
Misc. White Shoulder & Firebreak Lines									258	774
Old Saddle Connector CL Yellow					795	795			46	138
Old Saddle Connector Stop Bar									26	78
TOTALS		994		0		203,996		1,078		8,670

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SADDLE ROAD RPM'S
Complete

Location	Type A Round White	Type J Round Yellow	Type D 2-Way Yellow	Type H 1-Way Yellow	Type C Red/Clear
No Pass Zone: Mamalahoa to 248+00		4	433	50	
No Pass Zone: 272+00 to 281+00			94		
No Pass Zone: 300+00 to 306+00			62		
No Pass Zone: 480+00 to 487+50			82		
No Pass Zone: 514+00 to 530+00			166		
No Pass Zone: 618+00 to Bridge			294		
Passing Zones from 248+00 to Bridge (CL Buttons)		3,292	832	823	
From Mamalahoa to Begin Bridge (Climbing & Passing Lane separators)	4,452				1,114
Mamalahoa BOP to Saddle Road Bridge (Station RT)					1,159
Saddle Road Bridge to Mamalahoa EOP (Station LT)					1,158
Right side from Bridge to EOP	976				572
Left side from Bridge to end of Old Saddle Connector (incl. bk ck area)	124				234
Left side from end of Old Saddle Connector to EOP	132				191
Centerline from Bridge to 1st Median			464		
Centerline 1st Median		4	1	148	
Centerline 2nd Median		4	1	196	
Centerline from 2nd to Final Median			114		
Centerline Final Median				146	
Old Saddle Connector		4	3	20	
MSR Barriers under Bridge			37		
TOTALS	5,684	3,308	2,583	1,383	4,428

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 1/2/14
Signature Date

MAMALAHOA RPM'S
COMPLETE

Location	Type A Round White	Type J Round Yellow	Type D 2-Way Yellow	Type H 1-Way Yellow	Type C Red/Clear
Channel Triangles & attached lines					99
BOP to EOP Centerline; including medians		16	61	266	
Station LT Edge Line					83
Station LT Turn/Accel. Lanes	68				52
Station RT Turn/Accel. Lanes	84				40
TOTALS	152	16	61	266	274

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[Signature] 1/2/14
Signature Date

MISCELLANEOUS MARKINGS & TCD'S

Mamalahoa Hwy.

Right Turn Arrows	4
Right Merge Arrows	4
Left Turn Arrows	4
Left Merge Arrows	4

White Flexible Delineators

763+62 around radius to Saddle Rd 202+00 RT
Saddle Rd 202+00 around radius to 795+00 RT
763+62 to 795+00 LT

Saddle Road

Right Turn Arrows	6
Right Merge Arrows	8
Left Turn Arrows	4
Left Merge Arrows	4
Yield Bar (Old Saddle)	18 SQFT

White Flexible Delineators

542+00 to 644+00 RT	30
721+00 to 753+00 RT	54

AS-BUILT DRAWINGS/SPECIFICATIONS

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