FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR		TOTAL SHEETS
OAHU	HAWAII	61D-02-06	2006	ADD.23	<i>57</i>

SCHEDULE OF BOULDERS

BOULDER DESIGNATION LOCATION (GPS is in NAD83, degrees)		APPROXIMATE SIZE		MITIGATION METHODS (See Note 1)			COMMENTS				
BOULDERS	GROUP #	LAT	LONG	Length (ft.)	Width (ft.)	Height (ft.)	DEMOLITION	ROCK BOLT (See Note 2)		PEDESTAL (See Note 3)	
D10	D10	21 70102	157 71707	1 5	1 5	1 5	Demo	Embedment			
<i>B10</i>	<i>B10</i>	21.39102	157.74723	1.5	1.5	1.5	Demo	Length			Should be covered by the structural mesh for the cut slope
B1-1	B1	21.39070	-157.74737	8.0	5.0	3.5		2-15'			
B14-1	B14	21.39097	-157.74712	5.5	9.0	12.0		2-20'			
<i>B14–3</i>	B14	21.39097	-157.74712	6.0	7.5	13.0		2-20'			
B14-4	B14	21.39097	-157.74712	8.0	11.5	13.0		2-20'			
<i>B16–1</i>	B16	21.39090	<i>–157.74718</i>	3.5	3.5	6.0		1-15'			
B18	<i>B18</i>	21.39103	-157.74702	5.5	6.0	10.0		2-2 0' 25'			
<i>B2</i>	<i>B2</i>	21.39063	-157.74735	2.5	2.0	1.5	Demo				Out side of the rockfall fence
<i>B25</i>	<i>B25</i>	21.39127	-157.74672	2.0	<i>4.5</i>	8.0					Cut the tree in its back fracture
<i>B3</i> –1	<i>B3</i>	21.39077	-157.74728	6.5	5.0	6.0	Demo		4-10' anchor, 2 cables, 6 eyenuts		Inside the rockfall fence.
<i>B3-3</i>	<i>B3</i>	21.39077	-157.74728	4.0	4.5	2.0				3'x2'x1'	
<i>B3-7</i>	<i>B3</i>	21.39077	-157.74728	3.5	5.5	5.0				3'x3'x4'	
B3-16	B3	21.39077	-157.74728	5.0	4.0	5.0					Included in the site securing of B3-1
<i>B33</i>	<i>B33</i>	21.39138	-157.74672	8.0	6.0	4.5	-Demo	4-10'	·		The boulder that is overhang Cover with ca
<i>B34</i>	B34	21.39142	-157.74668	1.5	1.5	5.0	Demo				
<i>B36</i>	<i>B36</i>	21.39148	-157.74672	6.0	11.0	18.0		3-15'			
<i>B37</i>	B37	21.39143	-157.74673	5.5	7.5	11.0		3-15'			
<i>B39</i>	<i>B39</i>	21.39140	-157.74687	4.5	7.0	16.0			4-10' anchor, 2 cables, 6 eyenuts		
<i>B6</i>	<i>B6</i>	21.39085	-157.74730	3.0	3.0	2.5	Demo				
B61	B61	21.39153	-157.74665	2.5	9.0	18.0		-1-15	2—10' anchor, 1 cable, 4 eyenuts		
B7	<i>B7</i>	21.39095	-157.74725	10.5	7.5	4.0		2-15'			
B8-1	<i>B8</i>	21.39097	-157.74727	6.0	5.0	3.0		2-15'			
B8-2	B8	21.39097	-157.74727	3.0	2.5	1.0	Demo	The state of the s			
<i>B9</i>		21.39100	-157.74723	3.0	2.5	2.5	Demo			en periode sandante e sandancia e periode se mantino del terrorio del titoro del trata del titoro del trata de	
B70-1	B70	21.39178	-157.74675	6.0	12.0	7.0	Demo	3-20			
<i>B70–2</i>	B70	21.39178	-157.74675	8.0	4.0	3.0	Demo	2=15'			
B14-2								2-15'		etigen en e	
D14-2	· · · · · · · · · · · · · · · · · · ·				- NOTEC:			1 15!	-		

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LEGEND FOR **AS-BUILT POSTINGS**

Squiggly line for as-built deletion Double line for as-built deletion

B15

Roadway Text for as-built posting

9/04/06 Added Notes 2 & 3; references Revision

NOTES: 1. Rock Protection Fence shall be in place and operational prior to the start of boulder mitigation.

2. Location of Rock Bolt Anchors shall be approved by the Engineer in the field. Use of anchors that are grouted simultaneously with drilling shall not be allowed.

3. Exact dimensions and location of Pedestal shall be approved by the Engineer.





SCHEDULE OF BOULDERS

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KAILUA ROAD PERMANENT ROCKFALL AND LANDSLIDE MITIGATION PROJECT NO. 61D-02-06

Scale: As Noted

Date: Aug 2006 OF 6 SHEETS SHEET No.

EXPIRATION DATE OF THE LICENSE 4/30/2008
THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.

ADD. 23









