## EXHIBIT B SAN MATEO COUNTY 2017 WINTER STORMS DAMAGES

**County Operational Area – Cities, Towns, Special Districts and Private Nonprofit Associations** Storms beginning January 3, 2017 and Continuing April 25, 2017 Board of Supervisors Meeting (Not a comprehensive list)

SAN MATEO COUNTY OPERATIONAL AREA DAMAGE LOCATIONS								
Jurisdiction	Incident Period	Damage Description						
Town of Portola Valley	Feb 2017	Debris Removal from multiple mudslides, slipouts and downed trees into roadway on Alpine Road between Willowbrook Drive and Town limits towards Joaquin Road. Alpine Road had to be closed until trees, mud, until debris was removed. However, continuous rains caused further mud flows onto the roadway. Hypersaturation of the hillsides and creek banks caused slipouts which destabilized the roadway in 3 areas						
City of Millbrae	Feb 2017	(2) Mudslides 1) Located across from 516 Richmond Drive a large mudslide with a width of some 60 feet caused earthen wet mud and vegetation from a steep slope presumed unstable flow its debris onto Richmond Drive forcing a road closure in both directions; which is still in effect. 2) Located along Skyline Blvd near Larkspur, a small mudslide affects the Northbound lane and Bike Lane of Skyline Boulevard. City is still assessing engineering, geology and permanent work options. Initial Damage Estimate received 3/15/2017						
City of San Bruno	Jan 2017 Feb 2017	Emergency Protective Measures on Jan 20 and Jan 22, Floodfighting at homes located at 1910 and 1920 Spyglass Street, caused by city storm drain failure. (2) Emergency Protective Measures (a) Sink hole response to 1104 Cypress Road on Feb 13, (b) Hole at same road on Feb 14. Temporary/plate/asphalt repairs.						
El Granada Community Services District	Feb 2017	PNP (1) Damage Site, sewer piping across creek, affixed to an abandoned pedestrian bridge. Mirada Bridge deteriorating. Initial Damage Estimates for repair are \$350,000 to secure and reroute pipe to maintain operating sewer.						
Middleton Tract Road Association La Honda	Feb 2017	PNP Road Association La Honda with major damages to their private road, serving emergency services and a population of 75 with 25 structures of 50 parcels. Initial Damage is estimated at \$1.5 million.						
Butano Canyon Mutual Water Company, Pescadero	Feb 2017	PNP Mutual Community Water System in Pescadero with Major road damages from storms at Redwood Avenue. Road serves water services, emergency services and about some 20 residents. Initial Damage Estimates are being estimated and details will be available soon.						

## EXHIBIT C SAN MATEO COUNTY 2017 WINTER STORMS DAMAGES

## **Roads/Fire Roads Damages to San Mateo County Forestlands**

Storms beginning January 3, 2017 and Continuing

April 25, 2017 Board of Supervisors Meeting (Not a comprehensive list)

Site ID	Owner	Road	Location	Problem	Road Type	Area Damaged	Volume of Material to Remove (yds)		Equipment Time	Enginee ring Needed	Description of fix	DFW	CEQA	THP Related	Assets or Resources Effected	Priority	Damage/Los s Estimate \$	
											Remove slide material and widen				Recreational, Fire/Rescue			
			Coal Creek		1 '	i		Dozer,			road into bank to regain running				access to Skyline Blvd and Coal			
AR01	MROSD	Alpine Road	OSP	Fillslope Failure	Seasonal	100x20'	300	Excavator	3 Days	Y	surface.	N	Y	N	Mine Ridge	6	40K	100
	B		B. H. S. M.	Cutbank failure	1	i							Road		Failure blocks Fire/Rescue and			
	Baranncha Knolls	Baranncha Knolls Rd.	Bottom of	with trees onto road	Perm	40x50'	25	D6	4.0		Remove and stabilize slide material.		Road Maintenance	N	Residence access into rural subdivision.	7	10K	1.5
ВК01 НС	HOA	Barannena knons ku.	Below	Cutbank failure	gravel	40x50°	35	06	1 Day	N	Remove and stabilize side material.	N	Maintenance	IN	Failure blocks Fire/Rescue,		10K	15
			Butano Ck	with Redwood	1 '	1					Move stump to landing Incorporate		Road		Recreational access into Butano			
	C1 4 D C 4							56			Move stump to landing, Incorporate				Recreational access into Butano			
CC01 S	SM BSA	Watson Road	crossing West of	stump onto	Seasonal	30x40'	100	D6	4 hours	N	fill into road surface.	N	Maintenance	N	Failure blocks Fire/Rescue,	6	5K	50
			Mundell	Cutbank failure	1 '	1					Move stump to landing, Incorporate		Road		Recreational access into Butano			
CC02	State Parks	Watson Road	Outpost		Conserved	20.40.5		D6			fill into road surface.		Maintenance	N	SP	5		5
002	State Faiks	Watson Koau	Outpost	onto road	Seasonal	30x10x5	40	DO	4 hours	N		N	Wantenance	IN	51	5	5K	5
				1	1 '	1					Push loose fill into void below pipe				Failure blocks Fire/Rescue			
			Southwest	Fill failure below	1 !	1					outlet. Place flexible plastic culvert		Road		response south from Sandy			
CTT01	State Parks	Chalks TT	of Sandy Pt.	culvert outlet. Small Cutbank	Seasonal	30 x 20 x 12	25	D6	4 hours	N	as downspout.	N	Maintenance	N	Point This failure blocks access to	7	5K	20
			GC Road	failure onto	1 '	1									Sandy Point and Big Basin from			
	<b>D</b> . <b>d d F</b>	6 6 I		road.	Seasonal			DC 1			Being and a share the state		N		· ·			
GC01	Redwood Empire	Gazos Creek	below gates GC Road east	road.	Seasonal	20x15	15	D6, Loader	2 hours	N	Remove and stabilize fill.	N	N	N	coast. This failure blocks access to	6	ЗК	3
				1	1 '	1												
	Chata Davis	Corres Correls	of Mountain	Cutherali Failura	Conserved	10 50	400	DC London			Demous and stabilize fill		N	N	Sandy Point and Big Basin from		4.014	5
GC02	State Parks	Gazos Creek	Camp	Cutbank Failure	Seasonai	40x50'	400	D6, Loader	3 Days	N	Remove and stabilize fill.	N	N	IN	coast.	<u> </u>	10K	5
			1	1 '	1 '	1 1									and commercial access to	1 1		
			1 mile west	Cutbank Failure	1 '	i I									Western Big Basin SP, Mountain			
					Perm	i I		Evenueter								1		
GC03	State Parks	Gazos Creek	of Mountain Camp	upslope from road.	Perm Paved	100x150'	50	Excavator, loader	1 Day	Y	Remove and stabilize fill.	N	l	N	Camp, Baranncha Knolls residents and Redwood Empire	7	10K	20
GC03	State Parks	Gazos Creek	Camp	road.	Paved	100x150	50	loader	1 Day	Ŷ	Remove and stabilize fill.	N	У	N	This failure blocks fire, rescue	<u> </u>	10K	20
				1	1 '	1									and commercial access to			
			4	Cill Collumn inte	1 '	1					Fither autists head and malian read							
			.4 mile west	Fill Failure into		1					Either cut into bank and realign road		<b>D</b>		Western Big Basin SP, Mountain			
			of Mountain	creek. 1 land of	Perm	1					or install boulders in creek and re-		Road		Camp, Baranncha Knolls			
GC04	State Parks	Gazos Creek	Camp	asphalt gone.	Paved	15x30'		Excavator Dozer,	2 Days	Y	establish fill slope and pave.	Y	Maintenance	N	residents and Redwood Empire	7	25K	50
			LaHonda	1	1 '	1		Excavator.			Reroute 1/2 mile of road in more				Cattle, Recreational,			
						i _				v			Y		Fire/Rescue access to LaHonda			
LH01	MROSD	Harrington Ck Trail	OSP	Cutslope Failure	Seasonal	5 acres		Grader	5 Days	Ŷ	appropriate location.	N	Ŷ	N	Community	3	100K	300
				1	1 '	1									Grazing access, Fire Escape for			
			LaHonda	1	1 '	1					Record to a second state				ranches north of LaHonda ,			
								Dozer,			Reroute road in more appropriate				Suppression access for Open			
LH02	MROSD	Red Barn Spur	OSP	Cutbank Failure	Seasonal	3 acres		Excavator	3 Days	Y	location.	N	Y	N	Space above LaHonda	3	250K	500
MH01 MROS			Russian		1'	1 1		Dozer,			Excavate cut slope of road to regain		Road		Access to Mindego Hill for			
	MROSD	Mindego Hill Trail	Ridge OSP	Fillslope Failure Cutbank failure	Seasonal	200x20'	200	Excavator	3 days	Y	full road width.	N	Maintenance	N	cattle, recreation and	6	50K	100
			East of Gate		1 '	1		Excavator.			Clear trees, stabilize road and		Road		Failure blacks Fire (Deseus			
	D			with trees onto				,			regrade. Incorporate fill into road				Failure blocks Fire/Rescue			
OCK01 Redtre	Reatree	Bicentennial Road	20	road	Seasonal	20x50'	40	D6	2 Days	N	surface. Remove and stabilize slide material.	N	Maintenance	N	access into Oil Creek drainage	5	5K	25
				Cut and Fill	1 '	1 1									Failure blocks Fire/Rescue	-		
OCK02	Redtree				l	I					Realign road into bank. Drain away		Road		response into main Timberland			
		Oil Ridge Road	Gate 17	Failure	Seasonal	30x10	15	D6	1 Day	N		N	Road Maintenance	N	response into main Timberland and access to LZ.	6	10K	51
		Oli Ridge Road		Failure Cutbank Failure	Seasonal	30x10	15	D6,	1 Day	N	Realign road into bank. Drain away from fill failure.	N	Maintenance	N	response into main Timberland and access to LZ. Failure blocks Fire/Rescue	6	10K	51
			Harwood	Failure Cutbank Failure into drainage				D6, Excavator,			Realign road into bank. Drain away from fill failure. Remove and stabilize slide material.	N	Maintenance Road		response into main Timberland and access to LZ. Failure blocks Fire/Rescue response into main Timberland	6		58
ЭСК03	Redtree	Harwood Road	Harwood Road	Failure Cutbank Failure	Seasonal Seasonal	30x10 40x80'	15 60	D6, Excavator, Ioader	1 Day 2 Days	N	Realign road into bank. Drain away from fill failure.	N ?	Maintenance Road Maintenance	N	response into main Timberland and access to LZ. Failure blocks Fire/Rescue response into main Timberland and access to LZ.	6	10К 10К	51
		Harwood Road	Harwood Road Purisima	Failure Cutbank Failure into drainage across road	Seasonal	40x80'		D6, Excavator, Ioader Dozer,	2 Days	N	Realign road into bank. Drain away from fill failure. Remove and stabilize slide material. Clear bridge access and regrade road.	N ?	Maintenance Road Maintenance Road	N	response into main Timberland and access to LZ. Failure blocks Fire/Rescue response into main Timberland and access to LZ. Recreational, Fire/Rescue	-	10K	35
	Redtree MROSD		Harwood Road	Failure Cutbank Failure into drainage across road Fillslope Failure				D6, Excavator, Ioader Dozer, Excavator			Realign road into bank. Drain away from fill failure. Remove and stabilize slide material. Clear bridge access and regrade road. Build Retaining Wall in Creek	N ? Y	Maintenance Road Maintenance		response into main Timberland and access to LZ. Failure blocks Fire/Rescue response into main Timberland and access to LZ. Recreational, Fire/Rescue access to Kings Mth Community	-		
	MROSD	Harwood Road Purisima Ck Road	Harwood Road Purisima	Failure Cutbank Failure into drainage across road Fillslope Failure Fill Failure of old	Seasonal Seasonal	40x80'		D6, Excavator, Ioader Dozer, Excavator Loader,	2 Days	N	Realign road into bank. Drain away from fill failure. Remove and stabilize slide material. Clear bridge access and regrade road. Build Retaining Wall in Creek Replace crossing with 6° culvert.	N ? Y	Maintenance Road Maintenance Road Maintenance	N	response into main Timberland and access to LZ. Failure blocks Fire/Rescue response into main Timberland and access to LZ. Recreational, Fire/Rescue access to Kings Mtn Community This failure blocks vehicle	-	10K	35
PCK01	MROSD San Mateo County	Harwood Road Purisima Ck Road Pescadero Haul Road	Harwood Road Purisima OSP	Failure Cutbank Failure into drainage across road Fillslope Failure Fill Failure of old Humboldt	Seasonal Seasonal Seasonal	40x80' 100 x 30'	60	D6, Excavator, Ioader Dozer, Excavator Loader, excavator,	2 Days 3 Days	N Y	Realign road into bank. Drain away from fill failure. Remove and stabilize slide material. Clear bridge access and regrade road. Build Retaining Wall in Creek Replace crossing with 6' culvert. Replace fill, compact and gravel	? Y	Maintenance Road Maintenance Road Maintenance Road	N	response into main Timberland and access to L2. Failure blocks Fire/Rescue response into main Timberland and access to L2. Recreational, Fire/Rescue access to Kings Mth Community This failure blocks vehicle access, fire, admin, rescue to	3	10К 50К	35
PCK01	MROSD	Harwood Road Purisima Ck Road	Harwood Road Purisima	Failure Cutbank Failure into drainage across road Fillslope Failure Fill Failure of old Humboldt Crossing	Seasonal Seasonal	40x80'		D6, Excavator, Ioader Dozer, Excavator Loader, excavator, grader	2 Days	N	Realign road into bank. Drain away from fill failure. Remove and stabilize slide material. Clear bridge access and regrade road. Build Retaining Wall in Creek Replace crossing with 6' culvert. Replace fill, compact and gravel surface.	N ? Y N	Maintenance Road Maintenance Road Maintenance	N	response into main Timberland and access to L2. Failure blocks Fire/Rescue response into main Timberland and access to L2. Recreational, Fire/Rescue access to Kings Mth Community This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. Park	-	10K	35
OCK03 PCK01 PHR 1	MROSD San Mateo County Parks	Harwood Road Purisima Ck Road Pescadero Haul Road	Harwood Road Purisima OSP	Failure Cutbank Failure into drainage across road Fillslope Failure Fill Failure of old Humboldt Crossing Fill Failure of old	Seasonal Seasonal Seasonal gravel	40x80' 100 x 30'	60	D6, Excavator, Ioader Dozer, Excavator Loader, excavator, grader Loader,	2 Days 3 Days	N Y	Realign road into bank. Drain away from fill failure. Remove and stabilize slide material. Clear bridge access and regrade road. Build Retaining Wall in Creek Replace rossing with 6 'Cluyert. Replace fill, compact and gravel surface. Pull failed fill and stabilize. Reroute	? Y	Maintenance Road Maintenance Road Maintenance Road	N	response into main Timberland and access to LZ. Failure blocks Fire/Rescue response into main Timberland and access to LZ. Recreational, Fire/Rescue access to Kings Mth Community This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. Park This failure blocks vehicle	3	10К 50К	35 50
PCK01 PHR 1	MROSD San Mateo County Parks San Mateo County	Harwood Road Purisima Ck Road Pescadero Haul Road (PHR)	Harwood Road Purisima OSP Harwood Ck	Failure Cutbank Failure into drainage across road Fillslope Failure Fill Failure of old Humboldt Fill Failure of old Humboldt	Seasonal Seasonal gravel Seasonal	40×80' 100 × 30' 10 × 50'	60 15	D6, Excavator, Ioader Dozer, Excavator Loader, excavator, grader Loader, excavator,	2 Days 3 Days 3 Days	N Y N	Realign road into bank. Drain away from fill failure. Remove and stabilize slide material. Clear bridge access and regrade road. Build Retaining Wall in Creek Replace crossing with 6' culvert. Replace fill, compact and gravel surface. Pull failed fill and stabilize. Reroute of road upslope with new crossing in	? Y	Maintenance Road Road Maintenance Road Maintenance	N N	response into main Timberland and access to L2. Failure blocks Fire/Rescue response into main Timberland and access to L2. Recreational, Fire/Rescue access to Kings Mth Community This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. Park This failure blocks vehicle access, fire, admin, rescue to	6	10К 50К 10К	35 50 50
PCK01 PHR 1	MROSD San Mateo County Parks	Harwood Road Purisima Ck Road Pescadero Haul Road	Harwood Road Purisima OSP	Failure Cutbank Failure into drainage across road Fillslope Failure Fill Failure of old Humboldt Crossing Fill Failure of old	Seasonal Seasonal Seasonal gravel	40x80' 100 x 30'	60	D6, Excavator, Ioader Dozer, Excavator Loader, excavator, grader Loader,	2 Days 3 Days	N Y	Realign road into bank. Drain away from fill failure. Remove and stabilize slide material. Clear bridge access and regrade road. Build Retaining Wall in Creek Replace rossing with 6 'Cluyert. Replace fill, compact and gravel surface. Pull failed fill and stabilize. Reroute	? Y	Maintenance Road Maintenance Road Maintenance Road	N	response into main Timberland and access to LZ. Failure blocks Fire/Rescue response into main Timberland and access to LZ. Recreational, Fire/Rescue access to Kings Mtn Community This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. Park This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. Park	3	10К 50К	35 50 50
PCK01	MROSD San Mateo County Parks San Mateo County	Harwood Road Purisima Ck Road Pescadero Haul Road (PHR)	Harwood Road Purisima OSP Harwood Ck	Failure Cutbank Failure into drainage across road Fillslope Failure Fill Failure of old Humboldt Crossing Fill Failure of old Humboldt Crossing	Seasonal Seasonal gravel Seasonal	40×80' 100 × 30' 10 × 50'	60 15	D6, Excavator, Ioader Dozer, Excavator Loader, excavator, grader Loader, excavator,	2 Days 3 Days 3 Days	N Y N	Realign road into bank. Drain away from fill failure. Remove and stabilize slide material. Clear bridge access and regrade road. Build Retaining Wall in Creek Replace rossing with 6' cluvert. Replace fill, compact and gravel surface. Pull failed fill and stabilize. Reroute of road upslope with new crossing in more appropriate location.	? Y	Maintenance Road Road Maintenance Road Maintenance	N N	response into main Timberland and access to L2. Failure blocks Fire/Rescue response into main Timberland and access to L2. Recreational, Fire/Rescue access to Kings Mth Community This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. Park This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. Park If this isn't fixed, fill and road	6	10К 50К 10К	35 50 50
PCK01 PHR 1	MROSD San Mateo County Parks San Mateo County Parks	Harwood Road Purisima Ck Road Pescadero Haul Road (PHR)	Harwood Road Purisima OSP Harwood Ck	Failure Cutbank Failure into drainage across road Fillslope Failure Fill Failure of old Humboldt Crossing Fill Failure of old Humboldt Crossing Fill failure	Seasonal Seasonal gravel Seasonal gravel	40×80' 100 × 30' 10 × 50'	60 15	D6, Excavator, Ioader Dozer, Excavator Loader, excavator, grader Loader, excavator,	2 Days 3 Days 3 Days	N Y N	Realign road into bank. Drain away from fill failure. Remove and stabilize slide material. Clear bridge access and regrade road. Build Retaining Wall in Creek Replace crossing with 6' culvert. Replace fill, compact and gravel surface. Pull failed fill and stabilize. Reroute of road upslope with new crossing in more appropriate location. Pull failed fill/debris that destroyed	? Y	Maintenance Road Road Maintenance Road Maintenance Y	N N	response into main Timberland and access to L2. Failure blocks Fire/Rescue response into main Timberland and access to L2. Recreational, Fire/Rescue access to Kings Mtn Community This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. Park This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. Park If this isn't flixed, fill and road will fail. Will block fire/rescue	6	10К 50К 10К	3 50 5
PCK01 PHR 1 PHR 2	MROSD San Mateo County Parks San Mateo County Parks San Mateo County	Harwood Road Purisima Ck Road Pescadero Haul Road (PHR) PHR	Harwood Road Purisima OSP Harwood Ck Dark Gulch	Failure Cutbank Failure into drainage across road Fillslope Failure Fill Failure of old Humboldt Crossing Fill Failure of old Humboldt Crossing Fill failure damaged 30"	Seasonal Seasonal gravel Seasonal gravel Seasonal	40x80' 100 x 30' 10 x 50' 150'x75x50'	60 15 75	D6, Excavator, Ioader Dozer, Excavator, excavator, grader Loader, excavator, grader	2 Days 3 Days 3 Days 14 Days	N Y N	Realign road into bank. Drain away from fill failure. Remove and stabilize slide material. Clear bridge access and regrade road. Build Retaining Wall in Creek Replace crossing with 6 Culvert. Replace fill, compact and gravel surface. Pull failed fill and stabilize. Reroute of road upslope with new crossing in more appropriate location. Pull failed fill/debris that destroyed cmp. Stabilize fillslope. Replace	? Y N Y	Maintenance Road Maintenance Road Maintenance Y Road	N N N	response into main Timberland and access to LZ. Failure blocks Fire/Rescue response into main Timberland and access to LZ. Recreational, Fire/Rescue access to Kings Mth Community This failure blocks vehicle access, fire, admin, rescue vehicle access, fire, admin, rescue vehicle access, fire, admin, rescue to Pescadero Co. Park This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. Park If this isn't tixed, fill and road will fail. Will block fire/rescue and admin access to Pescadero	6	10K 50K 10K 500K	33 50 50
PCK01 PHR 1 PHR 2	MROSD San Mateo County Parks San Mateo County Parks	Harwood Road Purisima Ck Road Pescadero Haul Road (PHR)	Harwood Road Purisima OSP Harwood Ck	Failure Cutbank Failure into drainage across road Fillslope Failure Fill Failure of old Humboldt Crossing Fill Failure of old Humboldt Crossing Fill failure	Seasonal Seasonal gravel Seasonal gravel	40×80' 100 × 30' 10 × 50'	60 15	D6, Excavator, Ioader Dozer, Excavator Loader, excavator, grader Loader, excavator,	2 Days 3 Days 3 Days	N Y N	Realign road into bank. Drain away from fill failure. Remove and stabilize slide material. Clear bridge access and regrade road. Build Retaining Wall in Creek Replace crossing with 6' culvert. Replace fill, compact and gravel surface. Pull failed fill and stabilize. Reroute of road upslope with new crossing in more appropriate location. Pull failed fill/debris that destroyed	? Y	Maintenance Road Road Maintenance Road Maintenance Y	N N	response into main Timberland and access to LZ. Failure blocks Fire/Rescue response into main Timberland and access to LZ. Recreational, Fire/Rescue access to Kings Mth Community This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. Park This Tailure blocks vehicle access, fire, admin, rescue to Pescadero Co. Park If this isn't tixed, fill and road will fail. Will block fire/rescue and admin access to Pescadero Co. and Portola State Park	6	10К 50К 10К	33 50 50
PCK01 PHR 1	MROSD San Mateo County Parks San Mateo County Parks San Mateo County	Harwood Road Purisima Ck Road Pescadero Haul Road (PHR) PHR	Harwood Road Purisima OSP Harwood Ck Dark Gulch	Failure Cutbank Failure into drainage across road Fillslope Failure Fill Failure of old Humboldt Crossing Fill Failure of old Humboldt Crossing Fill failure damaged 30"	Seasonal Seasonal gravel Seasonal gravel Seasonal	40x80' 100 x 30' 10 x 50' 150'x75x50'	60 15 75	D6, Excavator, Ioader Dozer, Excavator, excavator, grader Loader, excavator, grader	2 Days 3 Days 3 Days 14 Days	N Y N	Realign road into bank. Drain away from fill failure. Remove and stabilize slide material. Clear bridge access and regrade road. Build Retaining Wall in Creek Replace crossing with 6 Culvert. Replace fill, compact and gravel surface. Pull failed fill and stabilize. Reroute of road upslope with new crossing in more appropriate location. Pull failed fill/debris that destroyed cmp. Stabilize fillslope. Replace	? Y N Y	Maintenance Road Maintenance Road Maintenance Y Road	N N N	response into main Timberland and access to LZ. Failure blocks Fire/Rescue response into main Timberland and access to LZ. Recreational, Fire/Rescue access to Kings Mth Community This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. Park This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. Park If this Isin't Tixed, IIII and road will fail. Will block fire/rescue and admin access to Pescadero Co. and Portola State Park This failure blocks vehicle	6	10K 50K 10K 500K	33 50 50
PCK01 PHR 1 PHR 2	MROSD San Mateo County Parks San Mateo County Parks San Mateo County	Harwood Road Purisima Ck Road Pescadero Haul Road (PHR) PHR	Harwood Road Purisima OSP Harwood Ck Dark Gulch	Failure Cutbank Failure into drainage across road Fillslope Failure Fill Failure of old Humboldt Crossing Fill Failure of old Humboldt Crossing Fill failure damaged 30"	Seasonal Seasonal gravel Seasonal gravel Seasonal	40x80' 100 x 30' 10 x 50' 150'x75x50'	60 15 75	D6, Excavator, Ioader Dozer, Excavator, excavator, grader Loader, excavator, grader	2 Days 3 Days 3 Days 14 Days	N Y N	Realign road into bank. Drain away from fill failure. Remove and stabilize slide material. Clear bridge access and regrade road. Build Retaining Wall in Creek Replace crossing with 6 Culvert. Replace fill, compact and gravel surface. Pull failed fill and stabilize. Reroute of road upslope with new crossing in more appropriate location. Pull failed fill/debris that destroyed cmp. Stabilize fillslope. Replace	? Y N Y	Maintenance Road Maintenance Road Maintenance Y Road	N N N	response into main Timberland and access to LZ. Failure blocks Fire/Rescue response into main Timberland and access to LZ. Recreational, Fire/Rescue access to Kings Mth Community This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. Park This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. Park If this isn't tixed, fill and road will fail. Will block fire/rescue and admin access to Pescadero Co. and Portola State Park	6	10K 50K 10K 500K	3: 50 5:
PCK01 PHR 1 PHR 2	MROSD San Mateo County Parks San Mateo County Parks San Mateo County	Harwood Road Purisima Ck Road Pescadero Haul Road (PHR) PHR	Harwood Road Purisima OSP Harwood Ck Dark Gulch	Failure Cutbank Failure into drainage across road Fillslope Failure Fill Failure of old Humboldt Crossing Fill Failure of old Humboldt Crossing Fill failure damaged 30° cmp below fill.	Seasonal Seasonal gravel Seasonal gravel Seasonal	40x80' 100 x 30' 10 x 50' 150'x75x50'	60 15 75	D6, Excavator, Ioader Dozer, Excavator, excavator, grader Loader, excavator, grader	2 Days 3 Days 3 Days 14 Days	N Y N	Realign road into bank. Drain away from fill failure. Remove and stabilize slide material. Clear bridge access and regrade road. Build Retaining Wall in Creek Replace crossing with 6' culvert. Replace fill, compact and gravel surface. Pull failed fill and stabilize. Reroute of road upslope with new crossing in more appropriate location. Pull failed fill/debris that destroyed cmp. Stabilize fillslope. Replace damaged section of CMP.	? Y N Y	Maintenance Road Maintenance Road Maintenance Y Road	N N N	response into main Timberland and access to LZ. Failure blocks Fire/Rescue response into main Timberland and access to LZ. Recreational, Fire/Rescue access to Kings Mth Community This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. Park This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. Park If this Isin't Tixed, IIII and road will fail. Will block fire/rescue and admin access to Pescadero Co. and Portola State Park This failure blocks vehicle	6	10K 50K 10K 500K	3: 50 5:
PCK01 PHR 1 PHR 2 PHR 3	MROSD San Mateo County Parks San Mateo County Parks San Mateo County Parks	Harwood Road Purisima Ck Road Pescadero Haul Road (PHR) PHR	Harwood Road Purisima OSP Harwood Ck Dark Gulch	Failure Cutbank Failure into drainage across road Fillslope Failure Fill Failure of old Humboldt Crossing Fill Failure of old Humboldt Crossing Fill failure damaged 30° cmp below fill. Slope failure	Seasonal Seasonal gravel Seasonal gravel Seasonal gravel	40x80' 100 x 30' 10 x 50' 150'x75x50'	60 15 75	D6, Excavator, Ioader Dozer, Excavator, excavator, grader Loader, excavator, grader	2 Days 3 Days 3 Days 14 Days	N Y N	Realign road into bank. Drain away from fill failure. Remove and stabilize slide material. Clear bridge access and regrade road. Build Retaining Wall in Creek Replace crossing with 6 Culvert. Replace fill, compact and gravel surface. Pull failed fill and stabilize. Reroute of road upslope with new crossing in more appropriate location. Pull failed fill/debris that destroyed cmp. Stabilize fillslope. Replace damaged section of CMP. Reroute of road upslope with new	? Y N Y	Maintenance Road Maintenance Road Maintenance Y Road Maintenance	N N N	response into main Timberland and access to LZ. Failure blocks Fire/Rescue response into main Timberland and access to LZ. Recreational, Fire/Rescue access to Kings Mth Community This failure blocks vehicle access, fire, admin, rescue behicle access, fire, admin, rescue Pescadero Co. Park This failure blocks vehicle access, fire, admin, rescue and admin access to Pescadero Co. and Portola State Park This failure blocks vehicle access, fire, admin, rescue to	6	10K 50K 10K 500K	3: 50 5.
PCK01 PHR 1 PHR 2 PHR 3	MROSD San Mateo County Parks San Mateo County Parks San Mateo County San Mateo County	Harwood Road Purisima Ck Road Pescadero Haul Road (PHR) PHR PHR	Harwood Road Purisima OSP Harwood Ck Dark Gulch Keystone Ck.	Failure Cutbank Failure into drainage across road Fillsope Failure Fill Failure of old Humboldt Crossing Fill Failure of old Humboldt Crossing Fill failure damaged 30° cmp below fill. Slope failure above and	Seasonal Seasonal gravel Seasonal gravel Seasonal gravel	40x80' 100 x 30' 10 x 50' 150'x75x50' 40x40'	60 15 75 50	D6, Excavator, Ioader Dozer, Excavator, grader Loader, excavator, grader Excavator	2 Days 3 Days 3 Days 14 Days 3 Days	N Y Y	Realign road into bank. Drain away from fill failure. Remove and stabilize slide material. Clear bridge access and regrade road. Build Retaining Wall in Creek Replace for the surface. Pull failed fill and stabilize. Reroute of road upslope with new crossing in more appropriate location. Pull failed fill/debris that destroyed cmp. Stabilize fillslope. Replace damaged section of CMP. Reroute of road upslope with new crossing in more appropriate	? Y N Y	Maintenance Road Maintenance Road Maintenance Y Road Maintenance	N N N	response into main Timberland and access to L2. Failure blocks Fire/Rescue response into main Timberland and access to L2. Recreational, Fire/Rescue access to Kings Mth Community This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. Park This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. Park It this Isin't kized, fill and road will fail. Will block fire/rescue and admin access to Pescadero Co. and Portola State Park This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. and Portola State	- - - - - - - - - - - - - - - - - - -	10К 50К 10К 500К	3: 50 5.
PCK01 PHR 1 PHR 2 PHR 3	MROSD San Mateo County Parks San Mateo County Parks San Mateo County San Mateo County	Harwood Road Purisima Ck Road Pescadero Haul Road (PHR) PHR PHR	Harwood Road Purisima OSP Harwood Ck Dark Gulch Keystone Ck.	Failure Cutbank Failure into drainage across road Fillsope Failure Fill Failure of old Humboldt Crossing Fill Failure of old Humboldt Crossing Fill failure damaged 30° cmp below fill. Slope failure above and	Seasonal Seasonal gravel Seasonal gravel Seasonal gravel	40x80' 100 x 30' 10 x 50' 150'x75x50' 40x40'	60 15 75 50	D6, Excavator, Ioader Dozer, Excavator, grader Loader, excavator, grader Excavator	2 Days 3 Days 3 Days 14 Days 3 Days	N Y Y	Realign road into bank. Drain away from fill failure. Remove and stabilize slide material. Clear bridge access and regrade road. Build Retaining Wall in Creek Replace crossing with 6' Culvert. Replace fill, compact and gravel surface. Pull failed fill and stabilize. Reroute of road upslope with new crossing in more appropriate location. Pull failed fill/debris that destroyed cmp. Stabilize fillslope. Replace damaged section of CMP. Reroute of road upslope with new crossing in more appropriate location.	? Y N Y	Maintenance Road Maintenance Road Maintenance Y Road Maintenance	N N N	response into main Timberland and access to LZ. Failure blocks Fire/Rescue response into main Timberland and access to LZ. Recreational, Fire/Rescue access to Kings Mth Community This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. Park This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. Park If this Isn't fixed, fill and road will fail. Will block fire/rescue and admin access to Pescadero Co. and Portola State Park This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. and Portola State Park This failure blocks vehicle	- - - - - - - - - - - - - - - - - - -	10К 50К 10К 500К	3: 50 5.
PCK01 PHR 1 PHR 2 PHR 3	MROSD San Mateo County Parks San Mateo County Parks San Mateo County Parks San Mateo County Parks	Harwood Road Purisima Ck Road Pescadero Haul Road (PHR) PHR PHR	Harwood Road Purisima OSP Harwood Ck Dark Gulch Keystone Ck.	Failure Cutbank Failure into drainage across road Fillslope Failure Fill Failure of old Humboldt Crossing Fill Failure of old Humboldt Crossing Fill failure damaged 30° cmp below fill. Slope failure above and below road	Seasonal Seasonal gravel Seasonal gravel Seasonal gravel Seasonal gravel	40x80' 100 x 30' 10 x 50' 150'x75x50' 40x40'	60 15 75 50	D6, Excavator, loader Dozer, Excavator Loader, excavator, grader Loader, excavator, grader Loader, excavator D6 D6	2 Days 3 Days 3 Days 14 Days 3 Days	N Y Y	Realign road into bank. Drain away from fill failure. Remove and stabilize slide material. Clear bridge access and regrade road. Build Retaining Wall in Creek Replace crossing with 6' culvert. Replace fill, compact and gravel surface. Pull failed fill and stabilize. Reroute of road upslope with new crossing in more appropriate location. Pull failed fill/debris that destroyed cmp. Stabilize fillslope. Replace damaged section of CMP. Reroute of road upslope with new crossing in more appropriate location. Pull bridge, reallign crossing to	? Y N Y	Maintenance Road Maintenance Road Maintenance Y Road Maintenance	N N N	response into main Timberland and access to L2. Failure blocks Fire/Rescue response into main Timberland and access to L2. Recreational, Fire/Rescue access to Kings Mth Community This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. Park This failure blocks vehicle access, fire, admin, rescue to Rescadero Co. Park If this Isn't Tixed, fill and road will fail. Will block fire/rescue and admin access to Pescadero Co. and Portola State Park This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. and Portola State Park This failure blocks vehicle access, fire, admin, rescue to		10К 50К 10К 500К	3: 50 5.
PCK01 PHR 1 PHR 2 PHR 3 PHR 4	MROSD San Mateo County Parks San Mateo County Parks San Mateo County Parks San Mateo County Parks	Harwood Road Purisima Ck Road Pescadero Haul Road (PHR) PHR PHR PHR	Harwood Road Purisima OSP Harwood Ck Dark Gulch Keystone Ck. Fall Ck.	Failure Cutbank Failure into drainage across road Fillslope Failure Fill Failure of old Humboldt Crossing Fill Failure of old Humboldt Crossing Fill failure damaged 30° cmp below fill. Slope failure above and below road Fill failure below	Seasonal Seasonal gravel Seasonal gravel Seasonal gravel Seasonal gravel Seasonal	40×80' 100 × 30' 10 × 50' 150'×75×50' 40×40' 2.25 ac	60 15 75 50 0	D6, Excavator, Ioader Dozer, Excavator Loader, excavator, grader Loader, excavator, grader Excavator Excavator D6 D6, Excavator,	2 Days 3 Days 3 Days 14 Days 3 Days 14 Days	N Y Y	Realign road into bank. Drain away from fill failure. Remove and stabilize slide material. Clear bridge access and regrade road. Build Retaining Wall in Creek Replace crossing with 6' culvert. Replace fill, compact and gravel surface. Pull failed fill and stabilize. Reroute of road upslope with new crossing in more appropriate location. Pull failed fill/debris that destroyed cmp. Stabilize fillslope. Replace damaged section of CMP. Reroute of road upslope with new crossing in more appropriate location. Pull bridge, reallign crossing to shorten length, install concrete	? Y N Y	Maintenance Road Maintenance Road Maintenance Y Road Maintenance	N N N N	response into main Timberland and access to LZ. Failure blocks Fire/Rescue response into main Timberland and access to LZ. Recreational, Fire/Rescue access to Kings Mtn Community This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. Park If this failure blocks vehicle access, fire, admin, rescue to Pescadero Co. and Portola State Park This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. and Portola State Perscatero Co. and Portola State Park This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. and Portola State Park		10К 50К 10К 500К 10К 150К	3: 50 50 1.5 20
PCK01 PHR 1 PHR 2 PHR 3 PHR 4	MROSD San Mateo County Parks San Mateo County Parks San Mateo County Parks San Mateo County Parks	Harwood Road Purisima Ck Road Pescadero Haul Road (PHR) PHR PHR	Harwood Road Purisima OSP Harwood Ck Dark Gulch Keystone Ck.	Failure Cutbank Failure into drainage across road Fillslope Failure Fill Failure of old Humboldt Crossing Fill Failure of old Humboldt Crossing Fill failure damaged 30° cmp below fill. Slope failure above and below road	Seasonal Seasonal gravel Seasonal gravel Seasonal gravel Seasonal gravel	40x80' 100 x 30' 10 x 50' 150'x75x50' 40x40'	60 15 75 50	D6, Excavator, loader Dozer, Excavator Loader, excavator, grader Loader, excavator, grader Loader, excavator D6 D6	2 Days 3 Days 3 Days 14 Days 3 Days	N Y N N	Realign road into bank. Drain away from fill failure. Remove and stabilize slide material. Clear bridge access and regrade road. Build Retaining Wall in Creek Replace for surface. Pull failed fill, compact and gravel surface. Pull failed fill and stabilize. Reroute of road upslope with new crossing in more appropriate location. Pull failed fill/debris that destroyed cmp. Stabilize filslope. Replace damaged section of CMP. Reroute of road upslope with new crossing in more appropriate location. Pull bridge, reallign crossing to shorten length, install concrete abutment blocks, reset bridge.	? Y N Y	Maintenance Road Maintenance Road Maintenance Y Road Maintenance Road	N N N	response into main Timberland and access to LZ. Failure blocks Fire/Rescue response into main Timberland and access to LZ. Recreational, Fire/Rescue access to Kings Mth Community This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. Park This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. Park It his isn't hxed, III and road will fail. Will block fire/rescue and admin access to Pescadero Co. and Portola State Park This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. and Portola State Park This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. and Portola State Park	6 9 8 8	10К 50К 10К 500К	35 50 50 1.5 20
PCK01 PHR 1 PHR 2	MROSD San Mateo County Parks San Mateo County Parks San Mateo County Parks San Mateo County Parks	Harwood Road Purisima Ck Road Pescadero Haul Road (PHR) PHR PHR PHR	Harwood Road Purisima OSP Harwood Ck Dark Gulch Keystone Ck. Fall Ck.	Failure Cutbank Failure into drainage across road Fillslope Failure Fill Failure of old Humboldt Crossing Fill Failure of old Humboldt Crossing Fill failure damaged 30° cmp below fill. Slope failure above and below road Fill failure below	Seasonal Seasonal gravel Seasonal gravel Seasonal gravel Seasonal gravel Seasonal	40×80' 100 × 30' 10 × 50' 150'×75×50' 40×40' 2.25 ac	60 15 75 50 0	D6, Excavator, Ioader Dozer, Excavator Loader, excavator, grader Loader, excavator, grader Excavator Excavator D6 D6, Excavator,	2 Days 3 Days 3 Days 14 Days 3 Days 14 Days	N Y N N	Realign road into bank. Drain away from fill failure. Remove and stabilize slide material. Clear bridge access and regrade road. Build Retaining Wall in Creek Replace crossing with 6' culvert. Replace fill, compact and gravel surface. Pull failed fill and stabilize. Reroute of road upslope with new crossing in more appropriate location. Pull failed fill/debris that destroyed cmp. Stabilize fillslope. Replace damaged section of CMP. Reroute of road upslope with new crossing in more appropriate location. Pull bridge, reallign crossing to shorten length, install concrete	? Y N Y	Maintenance Road Maintenance Road Maintenance Y Road Maintenance Road	N N N N	response into main Timberland and access to LZ. Failure blocks Fire/Rescue response into main Timberland and access to LZ. Recreational, Fire/Rescue access to Kings Mtn Community This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. Park If this failure blocks vehicle access, fire, admin, rescue to Pescadero Co. and Portola State Park This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. and Portola State Perscatero Co. and Portola State Park This failure blocks vehicle access, fire, admin, rescue to Pescadero Co. and Portola State Park	6 9 8 8	10К 50К 10К 500К 10К 150К	35