

2017 Winter Storm CA17-2 -- Preliminary Damage Assessment - DRAFT

4/28/2017

Note: These locations are for STATE Routes only. No city or county routes included. Status: (A) Approved (INEL) Ineligible (D) Draft, Not Yet Approved or Denied  
Due to ongoing damage assessment, the information contained in this document is considered draft. For estimating purposes only.

Incident Date	Dist	Co	Rte	PMb	PMA	Brief Description of Damage	Emergency Opening Scope of Work	EO Maint Crews	EO Contract	Total EO	Permanent Restoration Scope of Work	PR Total	Total EO+PR
2/16/2017	1	DN	101	20.00	28.00	Culvert Failures-PM21.49 & 26.63	Replace Culverts	\$2,000	\$600,000	\$ 822,000		\$ -	\$ 822,000
2/19/2017	1	DN	101	14.40		Wall & Rdwy failure at LCG	Stabilize failing rdwy and wall-replace wall	\$0	\$6,000,000	\$ 6,775,000		\$ -	\$ 6,775,000
	1	DN	199			Accelerated Pavement Failure (PM24.78, 26.4, + others)	Plane and Overlay AC		tbd	\$ -		\$ -	\$ -
2/14/2017	1	DN	199	26.89	26.91	Culvert Failures	Replace Culverts	\$5,000	\$200,000	\$ 290,000		\$ -	\$ 290,000
1/24/2017	1	HUM	36	3.00	44.00	Storm Damage; Roadway Sinks; Drainage Issues	Storm Repairs; Repair Roadway Sinks PM25.4, 25.69, 25.8, 26.65, 26.7; Add slipout/rail loss @ PM15 2/18; Slipout PM21.38	\$10,000	\$2,000,000	\$ 2,485,000		\$ -	\$ 2,485,000
1/18/2017	1	HUM	36	29.00	30.00	Slipouts	Repair Slipouts with RSP	\$0	\$900,000	\$ 1,165,000		\$ -	\$ 1,165,000
1/7/2017	1	HUM	96	4.00	8.00	Tish Tang Landslide PM7.8; New Slide PM4.3	Remove Slide and Stablize Slope	\$20,000	\$1,500,000	\$ 1,930,000		\$ -	\$ 1,930,000
	1	HUM	96	4.00	23.00	Accelerated Pavement Failure (PM4-11.35 & 17.2-23)	Plane and Overlay AC		tbd	\$ -		\$ -	\$ -
2/20/2017	1	HUM	96	20.00	24.00	Landslide PM19.43; Large Slipout-1 lane lost PM22.11	Repair and stabilize Slipout and roadway- SPGA wall likely	\$5,000	\$3,200,000	\$ 4,205,000		\$ -	\$ 4,205,000
2/27/2016	1	HUM	96	24.20	44.20	Roadway Sink PM27.25; Slide PM29.4, Slide PM32.75, Slipout PM35.23, Slide PM41.5	Storm Damage Repairs	\$25,000	\$2,000,000	\$ 2,675,000	Repair Sink (PM27.25); Slope Stabilization	\$ 5,750,000	\$ 8,425,000
2/10/2017	1	HUM	101	0.00	13.00	Sink and culvert @ PM0.35; Sinkhole in NB shoulder at PM11.8; Culvert damages at PM10.75, 11.8, 11.83, 11.88, 12.28, 12.75	Repair Sink (Replace AC) and Repair/Replace Culverts	\$10,000	\$3,400,000	\$ 4,150,000		\$ -	\$ 4,150,000
1/17/2017	1	HUM	101	6.03	7.50	Twin Bridges - Failed Culvert and Roadway; 2nd location (PM7.3) Drainage added by verbal	Repair/Replace Culvert and Roadway Regrade slope and repair drainage	\$10,000	\$1,500,000	\$ 1,880,000		\$ -	\$ 1,880,000
	1	HUM	101	18.00	36.00	Accelerated Pavement Failure (PM18-22.5, 28-36)	Plane and Overlay AC		tbd	\$ -		\$ -	\$ -
1/11/2017	1	HUM	101	24.00	26.50	Eel River Bank Erosion, Salmon Ck Slide, Drainge Failure; Sink at PM26.04 & 26.2	Bank stablization; slide & drainage repair; Sink Repair	\$10,000	\$4,000,000	\$ 4,810,000		\$ -	\$ 4,810,000
1/11/2017	1	HUM	101	28.40	32.00	Sinks (28.45 & 29.4); Roadway (PM31.5); Weott Landslide (PM32)	Slope Stabilization; Regain Shoulder	\$10,000	\$3,500,000	\$ 4,275,000	Stabilize Slope (Wall TBD)	\$ 5,250,000	\$ 9,525,000
2/16/2017	1	HUM	101	37.40		Roadway Sink/Cracking	TBD	\$5,000		\$ 5,000		\$ -	\$ 5,000
1/11/2017	1	HUM	101	40.50	42.00	Redcrest Landslide and Slipout	Slope Stabilization; Regain Shoulder	\$5,000	\$5,000,000	\$ 5,810,000		\$ -	\$ 5,810,000
1/7/2017	1	HUM	101	50.50		Roadway Drainage; Failed Culvert and UD	Repair Drainage and Roadway	\$5,000	\$600,000	\$ 775,000		\$ -	\$ 775,000
	1	HUM	101	53.91	62.80	Accelerated Pavement Failure (PM53.91-56.5, 60.26-62.8)	Plane and Overlay AC		tbd	\$ -		\$ -	\$ -
	1	HUM	101	76.00	77.00	Accelerated Pavement Failure	Plane and Overlay AC		tbd	\$ -		\$ -	\$ -
	1	HUM	101	111.96	112.96	Slipout & Sink	TBD		tbd	\$ -		\$ -	\$ -
	1	HUM	101	125.00	137.00	Accelerated Pavement Failure	Plane and Overlay AC		tbd	\$ -		\$ -	\$ -
2/13/2017	1	HUM	169	15.00	30.00	Slipouts and Damage @ PM17.6, 22.08, 26.65	Repair Slipouts with RSP	\$10,000	\$700,000	\$ 900,000		\$ -	\$ 900,000
1/11/2017	1	HUM	169	28.00	33.80	Culvert (PM28.81); Slipout near Mitchell Road (PM29.7); Slipout PM32.4 and Sink PM33.0	Repair Culvert; Repair Slipout - RSP Buttress	\$5,000	\$2,700,000	\$ 3,355,000		\$ -	\$ 3,355,000
1/11/2017	1	HUM	211	77.21	78.59	Flooding; Scour/Damage at Fernbridge	Close Road - Monitor and Reopen	\$5,000	\$3,000,000	\$ 3,655,000		\$ -	\$ 3,655,000
2/8/2017	1	HUM	254	2.39		Plugged/Failed Culvert	Repair Culvert	\$5,000	\$290,000	\$ 395,000		\$ -	\$ 395,000
1/18/2017	1	HUM	254	4.00	6.00	Sink @ 4.49 and 4.55; Sinkhole/Culvert Separation 5.32 and 5.65 - Roadway Sink 5.75	Construct SPGA Wall	\$5,000	\$3,000,000	\$ 3,955,000		\$ -	\$ 3,955,000
1/18/2017	1	HUM	254	11.09		Sink	TBD		tbd	\$ -		\$ -	\$ -
1/9/2017	1	HUM	254	12.50	16.84	Fallen Trees - Road Closed	Remove Slide and Reopen Route	\$5,000		\$ 5,000		\$ -	\$ 5,000
2/16/2017	1	HUM	254	22.27		Roadway Sink/Cracking	TBD		tbd	\$ -		\$ -	\$ -
1/8/2017	1	HUM	254	41.96	43.37	Flooding	Close Road - Monitor and Reopen	\$5,000		\$ 5,000		\$ -	\$ 5,000
2/9/2017	1	HUM	254	42.36		Slide	Remove Slide and Stablize Slope	\$5,000	\$500,000	\$ 700,000		\$ -	\$ 700,000
	1	HUM	299		1.85	Slide/Culvert	TBD		tbd	\$ -		\$ -	\$ -
	1	HUM	299		8.85	Roadway Undulations/Distress	TBD		tbd	\$ -		\$ -	\$ -
1/17/2017	1	HUM	299	19.15	19.35	Roadway Pushup near Acorn Curve	Roadway Repair under EO; Possible PR wall	\$0	\$650,000	\$ 840,000	TBD - Wall	\$ -	\$ 840,000
	1	HUM	299	11.31	28.00	Storm Damage			tbd	\$ -		\$ -	\$ -
1/18/2017	1	HUM	299	30.60		Cedar Gap Slide/Slope Failure	Remove Slide and Stablize Slope	\$0	\$1,750,000	\$ 2,120,000		\$ -	\$ 2,120,000
1/8/2017	1	HUM	299	43.00		Slide	Remove Slide and Reopen Route	\$10,000		\$ 10,000		\$ -	\$ 10,000

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2/9/2017	1	LAK	20	5.00	21.00	Landslide and lake bank erosion	Slope and Bank Stabilization; Slide Removal	\$15,000	\$500,000	\$ 675,000		\$ -	\$ 675,000
	1	LAK	29		1.19	Slipout - Not yet affecting roadway	Monitoring			\$ -		\$ -	\$ -
1/8/2017	1	LAK	29	12.00	15.00	Repair failing culvert & landslides & sinkhole	Repair Culvert and stabilize slope and bank	\$5,000	\$2,700,000	\$ 3,275,000		\$ -	\$ 3,275,000
1/9/2017	1	LAK	175	17.40	23.60	Slipouts and Landslides w/in Valley Fire Burn Area	Repair slopes; reconsruct roadway; drainage	\$0	\$5,200,000	\$ 6,230,000	Slope stabilization	\$ 2,000,000	\$ 8,230,000
1/8/2017	1	MEN	1	17.00	18.50	Flooding	Close Road - Monitor and Reopen	\$5,000		\$ 5,000		\$ -	\$ 5,000
2/15/2017	1	MEN	1	34.40	38.40	Culvert Failure (34.49); Sink/Slipout at Cavanaugh Grade (36.36)	Repair Sink/Slipout	\$10,000	\$1,250,000	\$ 1,590,000		\$ -	\$ 1,590,000
1/10/2017	1	MEN	1	38.50	40.50	Drainage Issues PM38.5 & 39.39; Navarro River Log Jam	Repair Drainage; Remove Debris from Bridge	\$5,000	\$400,000	\$ 540,000		\$ -	\$ 540,000
2/28/2017	1	MEN	1		77.69	Slipout/Roadway Sink	Repair Slipout - 24" CIDH Piles (Add to 0G800)	\$5,000		\$ 5,000		\$ -	\$ 5,000
1/11/2017	1	MEN	1	78.00	83.50	Bluff Erosion/Drainage @ 78.09, 78.8, 81.49, 82.2, 83.08, 83.5	Stabilize Bluffs; Possible Retreat; Repair Drainage	\$5,000	\$3,000,000	\$ 3,555,000	Shoulder undermined by slipout above ocean. Viaduct at PM83.3	\$ 8,000,000	\$ 11,555,000
1/20/2017	1	MEN	1	88.10		Bank Erosion (Cotteneva Creek)	Armor Embankment	\$20,000		\$ 20,000		\$ -	\$ 20,000
1/8/2017	1	MEN	1	103.00	104.40	South Fork Eel Landslides (near Leggett)	Remove Slides and Stablize Slopes	\$20,000	\$2,500,000	\$ 3,100,000	Stabilize Slope or Viaduct	\$ 13,650,000	\$ 16,750,000
1/8/2017	1	MEN	20	20.80	26.20	Landslides (20.81 & 21.36); Slipout at Irmculo Rd (26.14)	Remove Slides and Stablize Slopes	\$20,000	\$1,300,000	\$ 1,750,000		\$ -	\$ 1,750,000
	1	MEN	20	28.70	31.50	Accelerated Pavement Failure	Plane and Overlay AC		tbd	\$ -		\$ -	\$ -
1/25/2017	1	MEN	20	36.40		Russian R Bridge Delaminating (#10-0184)	Repair Bridge Deck: Grind, repair meth, poly overlay	\$5,000	\$1,500,000	\$ 1,875,000		\$ -	\$ 1,875,000
	1	MEN	101	0.60	9.20	Accelerated Pavement Failure	Plane and Overlay AC		tbd	\$ -		\$ -	\$ -
	1	MEN	101		3.91	Slide	TBD		tbd	\$ -		\$ -	\$ -
	1	MEN	101		6.90	Slide/Drainage	TBD		tbd	\$ -		\$ -	\$ -
1/8/2017	1	MEN	101	43.20		Willits Bypass SB RSP Slope Failure	Repair Slope	\$5,000	\$6,000,000	\$ 7,230,000		\$ -	\$ 7,230,000
1/9/2017	1	MEN	101	64.00	82.00	Laytonville Roadway AC Failure	Grind and Repair Roadway	\$10,000	\$8,000,000	\$ 10,025,000		\$ -	\$ 10,025,000
2/16/2017	1	MEN MEN	101 271	84.00 0.00	85.50 4.00	Slipout - Offramp to 271 (~PM2) @ PM84.5, Sink @PM85.25 - Also include RTE 271 PM0-4.0 (Slide encompasses both RTEs)	ELB: Repair Drainage, Repair Slipout/Sink, Roadway Repairs	\$10,000	\$6,000,000	\$ 7,010,000		\$ -	\$ 7,010,000
1/25/2017	1	MEN	101	86.00	87.50	Large Slide and Drainage Issues at PM86.6/86.7 (Sinkhole) - Pushups at PM87.3 and 87.5	Geotech Investigation of Slides, Repair Roadway; Repair Drainage; Regrade Slope; Repair Pushups (RSP Buttress/Piles)	\$10,000	\$4,500,000	\$ 5,300,000	Slope stabilization, likely wall at 86.6	\$ 6,850,000	\$ 12,150,000
2/15/2017	1	MEN	101	96.00	97.14	Large Rockslide onto Roadway	Mitigate Slide; Install Permanent, Large Rock Fence	\$10,000	\$5,200,000	\$ 6,740,000		\$ -	\$ 6,740,000
1/8/2017	1	MEN	128	0.00	11.67	Flooding	Close Road - Monitor and Reopen	\$5,000		\$ 5,000		\$ -	\$ 5,000
3/8/2017	1	MEN	128	0.50	1.50	Failed Culverts	Replace Culverts	\$5,000	\$750,000	\$ 1,025,000		\$ -	\$ 1,025,000
1/18/2017	1	MEN	162	0.00	25.00	Maintenance Support; Culvert Failure (PM15.93) and Slipouts (PM16.07 & 23.43)	Repair Culvert and Slipout	\$0	\$2,300,000	\$ 2,970,000		\$ -	\$ 2,970,000
1/8/2017	1	MEN	175	0.00	0.75	Flooding	Close Road - Monitor and Reopen	\$5,000		\$ 5,000		\$ -	\$ 5,000
1/10/2017	1	MEN	175	1.60		Dooley Creek Bank Erosion near Old Hopland	Bank repair/stablization (RSP); Road repair	\$5,000	\$550,000	\$ 750,000		\$ -	\$ 750,000
1/17/2017	1	MEN/ LAK	175	5.0/0.0	9.0/3.0	Slipout MEN 175 PM 5.9; Slide and Impacts to Private Driveway Above PM 8.84; On LAK-175 Slipout at PM 0.97, 2.6 and 2.8	Stabilize Slope; Repair Roadway	\$10,000	\$4,500,000	\$ 5,810,000		\$ -	\$ 5,810,000

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1/10/2017	1	MEN	222	0.00	2.15	Flooding	Close Road - Monitor and Reopened 1/11/17	\$5,000		\$ 5,000		\$ -	\$ 5,000
2/13/2017	1	MEN	253	0.00	13.00	Failed culvert/sink/voids in roadway PM0.45 & 12.92; Pushup/slipout in roadway PM0.6-0.9 (3 Culverts TBD)	Replace Culverts, Repair Roadway; Investigate/Repair Slipout	\$5,000	\$1,700,000	\$ 2,155,000		\$ -	\$ 2,155,000
2/13/2018	1	MEN	271	19.00	20.00	Undulations in roadway	TBD		tbd	\$ -		\$ -	\$ -
1/8/2017	2	BUT	70	48.07		LARGE BOULDERS IN RDWY		\$6,000		\$ 6,000		\$ -	\$ 6,000
1/9/2017	2	LAS	139	7.40		ROCK BLOCKING RDWY		\$6,000		\$ 6,000		\$ -	\$ 6,000
1/11/2017	2	LAS	299	21.16		Emergency pothole repair		\$6,000		\$ 6,000		\$ -	\$ 6,000
2/10/2017	2	LAS	395	15.1	15.95	High Flow Scour hole	Scour hole and wingwall repair		\$1,500,000	\$ 1,800,000		\$ -	\$ 1,800,000
1/11/2017	2	MOD	299	9.00	15.0	Lost of embankment along unpaved shoulder				\$ -	Lost embankment / unpaved shoulder	\$ 2,900,000	\$ 2,900,000
1/8/2017	2	MOD	395	12.75		CLEAN UP LARGE ROCK AND MUD SLIDE		\$20,000		\$ 20,000		\$ -	\$ 20,000
NA	2	PLU	36	9.2	12.8	combine w 0-8.2 project	Pavement		\$1,600,000	\$ 1,600,000		\$ -	\$ 1,600,000
1/18/2017	2	PLU	70	61.79	63.5	Culvert slip-out	Shed slip-out		\$750,000	\$ 970,000		\$ -	\$ 970,000
2/7/2017	2	PLU	70	11	26	Multiple slides	The Gauntlet - Hat Creek		\$1,500,000	\$ 1,900,000		\$ -	\$ 1,900,000
2/10/2017	2	PLU	70	0	11	Erosion along River	Knife River (750K veb)		\$3,400,000	\$ 3,400,000		\$ -	\$ 3,400,000
1/9/2017	2	PLU	70	7.3/13.5/14.2		slide and bedload			\$950,000	\$ 1,410,000		\$ -	\$ 1,410,000
1/7/2007	2	PLU	70	0.72		ROCKS BLOCKING ONE LANE		\$6,000		\$ 6,000		\$ -	\$ 6,000
1/7/2017	2	PLU	70			ROCKS BLOCKING BOTH LANES		\$6,000		\$ 6,000		\$ -	\$ 6,000
1/8/2017	2	PLU	70	23.20		CLEANUP ROCK SLIDE BLOCKING ONE LANE		\$6,000		\$ 6,000		\$ -	\$ 6,000
1/8/2017	2	PLU	70	18.82		CLEANUP ROCK SLIDE BLOCKING ONE LANE		\$6,000		\$ 6,000		\$ -	\$ 6,000
1/8/2017	2	PLU	70	18.73		BOTH LANE BLOCK MULTIPLE TIME		\$10,000		\$ 10,000		\$ -	\$ 10,000
1/8/2017	2	PLU	70	62.68		LARGE BOULDERS IN RDWY		\$6,000		\$ 6,000		\$ -	\$ 6,000
1/10/2017	2	PLU	89	11.8/24.5		slip-out culvert topping	Joy Engineering		\$1,500,000	\$ 2,050,000		\$ -	\$ 2,050,000
2/10/2017	2	PLU	89	8.9	29	SUP of 2M more and increased PMs Flood	Joy Engineering		\$2,000,000	\$ 2,000,000		\$ -	\$ 2,000,000
	2	PLU	89	8.9	29.9	SUP DO IN PROGRESS	Joy Engineering			\$ -		\$ -	\$ -
1/8/2017	2	PLU	89	11.58		CULVERTS OVERTOPPED RDWY AND		\$40,000		\$ 40,000		\$ -	\$ 40,000
2/24/2017	2	PLU	49, 70, 89	var	var	shoulder washouts	repair shoulder washouts and pavements	\$0	\$2,500,000	\$ 3,200,000		\$ -	\$ 3,200,000
2/24/2017	2	PLU	49, 70, 89	var	var	SUP DO IN PROGRESS	SUP	\$0		\$ -		\$ -	\$ -
1/7/2007	2	SHA	5	29.47		ROCKS BLOCKING ONE LANE		\$6,000		\$ 6,000		\$ -	\$ 6,000
NA	2	SHA	36	1.2	1.2	Slide	combine w TRI 36 pm 4.4 project		\$0	\$ -		\$ -	\$ -
2/14/2017	2	SHA	89	var	var	scour, washout SHA 89 PM 21.7 to 43.35, SIS 89	place rsp		\$1,500,000	\$ 1,800,000		\$ -	\$ 1,800,000
1/8/2017	2	SHA	299	79.10	89.4	MULTIPLE SLIDES		\$50,000		\$ 50,000		\$ -	\$ 50,000
1/9/2017	2	SHA	299	11.38		ROCK BLOCKING RDWY		\$6,000		\$ 6,000		\$ -	\$ 6,000
1/11/2017	2	SIS	5	various		Emergency pothole repair		\$7,000	\$108,040	\$ 145,040		\$ -	\$ 145,040
2/9/2017	2	SIS	5	2.6		Land Slide on SB Lanes			\$2,500,000	\$ 3,150,000		\$ -	\$ 3,150,000
1/30/2017	2	SIS	5	6	46	Accelerated pavement damage			\$2,500,000	\$ 3,000,000		\$ -	\$ 3,000,000
NA	2	SIS	89	var	var		combine w sha 89 var			\$ -		\$ -	\$ -
1/18/2017	2	SIS	96	0.00	103.4	MULTIPLE SLIDES		\$100,000	\$2,020,000	\$ 2,640,000		\$ -	\$ 2,640,000
1/9/2017	2	SIS	96	91.34		Rockfall / Blasting		\$30,000		\$ 30,000		\$ -	\$ 30,000
1/8/2007	2	SIS	96	91.30	91.6	10-WHEELER SIZE BOULDERS ON RDWY		\$30,000		\$ 30,000		\$ -	\$ 30,000
1/8/2017	2	SIS	97			CULVERTS OVERTOPPED RDWY DAMAGING		\$20,000		\$ 20,000		\$ -	\$ 20,000
1/8/2017	2	SIS	263	55.03		CLEANUP ROCK SLIDE BLOCKING ONE LANE		\$6,000		\$ 6,000		\$ -	\$ 6,000
2/8/2017	2	TEH	32	0	8.2	Accelerated pavement failure and traffic control	combine with PLU 36 9.2-12.8		\$1,600,000	\$ 1,850,000		\$ -	\$ 1,850,000
1/8/2017	2	TEH	36	83.14		CLEAN UP LARGE BOULDER IN RDWY IN S CURVES		\$6,000		\$ 6,000		\$ -	\$ 6,000
1/8/2017	2	TEH	36	63.83		LARGE BOULDER IN RDWY BLOCKING ONE		\$6,000		\$ 6,000		\$ -	\$ 6,000
1/8/2017	2	TEH	36	76.74		ROCK BLOCKING RDWY		\$6,000		\$ 6,000		\$ -	\$ 6,000
1/18/2017	2	TRI	3	15.37		Undermined toe / Slip-out (Tomato slip)		\$6,000	\$750,000	\$ 976,000		\$ -	\$ 976,000
1/8/2017	2	TRI	3	27.00		ROCK BLOCKING RDWY		\$6,000		\$ 6,000		\$ -	\$ 6,000
1/8/2017	2	TRI	3	28.50		CLEANUP ROCK SLIDE BLOCKING ONE LANE		\$6,000		\$ 6,000		\$ -	\$ 6,000
2/10/2017	2	TRI	36	2.2	4.5	Culvert Failure	Tullis Combine with Tri- 1.2 slide		\$2,000,000	\$ 2,000,000		\$ -	\$ 2,000,000
2/9/2017	2	TRI	36	9.1		Supplemental to PM 2.2-4.5 Slipout	Tullis repair high over slip-out		\$1,000,000	\$ 1,000,000		\$ -	\$ 1,000,000

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	2	TRI	36	1.6	9.1	DO IN PROGRESS				\$ -		\$ -	\$ -
2/17/2017	2	TRI	36	14.17	14.4	Place culverts restore paved surface	JF Shea		\$1,000,000	\$ 1,000,000		\$ -	\$ 1,000,000
1/8/2017	2	TRI	36	15.00		CLEANUP ROCK SLIDE BLOCKING EB LANE		\$6,000		\$ 6,000		\$ -	\$ 6,000
1/10/2017	2	TRI	36	18.50		Rockfall and scaling required for safety		\$20,000		\$ 20,000		\$ -	\$ 20,000
3/8/2017	2	TRI	299	39.20		Slip-out soldier pile wall			\$2,100,000	\$ 2,750,000		\$ -	\$ 2,750,000
1/7/2017	2	TRI	299	41.83		ROCKS BLOCKING BOTH LANES		\$6,000		\$ 6,000		\$ -	\$ 6,000
1/10/2017	3	But	70	41.00		Slipout	Soldier Pile Wall	\$10,000	\$3,500,000	\$ 4,260,000		\$ -	\$ 4,260,000
2/11/2017	3	BUT	70	46.0/47.0		River bank erosion	Repair damage to banks and roadway	\$15,000	\$1,510,000	\$ 1,715,000	Roadway profile change to mitigate signifid	\$ 12,290,000	\$ 14,005,000
2/11/2017	3	BUT	70	35.70/48.00		Mudslides and rockslides	Remove slides	\$10,000	\$1,010,000	\$ 1,190,000		\$ -	\$ 1,190,000
1/8/2017	3	BUT	162	79.4	6.60	Flooding		\$5,000		\$ 5,000		\$ -	\$ 5,000
2/18/2017	3	COL	20	5.10	12.50	flood washouts	repair washouts, rsp	\$15,000	\$2,340,000	\$ 2,635,000		\$ -	\$ 2,635,000
2/18/2017	3	COL	5, 20, 45	var	var	Shoulder Backing damage	Repair shoulder backing		\$760,000	\$ 910,000		\$ -	\$ 910,000
1/8/2017	3	ED	50			Mudslide	Remove debris	\$10,000		\$ 10,000		\$ -	\$ 10,000
1/8/2017	3	ED	50			second mudslide		\$5,000		\$ 5,000		\$ -	\$ 5,000
1/10/2017	3	ED	50	36.70		slipout / washouts	fill/compact and rebuilt shoulder section	\$20,000		\$ 20,000		\$ -	\$ 20,000
2/8/2017	3	ED	50	47.65		Slide / blocked culvert	Remove slide and clean culvert	\$15,000		\$ 15,000		\$ -	\$ 15,000
2/10/2017	3	ED	50	43.69/50.0		Mudslides and rockslides	Remove slides	\$20,000	\$3,930,000	\$ 4,470,000	Stabilize Slope at PM 43.69 and 50.00	\$ 5,000,000	\$ 9,470,000
2/10/2017	3	ED	50	33.9; 36.2		Slipouts	Install Retaining Structure	\$20,000	\$600,000	\$ 1,190,000	Soldier pile wall / engineered fill	\$ 4,000,000	\$ 5,190,000
2/10/2017	3	ED	50	36.6/38.51		Mudslide / erosion at culvert	Remove mudslide, blast rock, drainage	\$10,000	\$790,000	\$ 950,000		\$ -	\$ 950,000
2/16/2017	3	ED	50	37.65		Slipout	Temporary Stabilization / Re-establish WB Lane	\$10,000	\$1,540,000	\$ 1,720,000		\$ -	\$ 1,720,000
2/16/2017	3	ED	50	37.65		Slipout	Soldier Pile Wall	\$0	\$7,910,000	\$ 9,010,000		\$ -	\$ 9,010,000
2/24/2017	3	ED	50	21.59/34.10		Multi location slide and slipout (5 locations)	Remove slide; repair slipout		\$2,360,000	\$ 2,660,000		\$ -	\$ 2,660,000
3/16/2017	3	ED	50	48.8/49.0		Culvert Failure	Replace damaged culvert	\$0	\$770,000	\$ 920,000		\$ -	\$ 920,000
1/8/2017	3	ED	193			Downed tree, mudslides		\$5,000		\$ 5,000		\$ -	\$ 5,000
1/19/2017	3	ED	193	23.30		Severe embankment erosion	RSP Armor Slope	\$0	\$970,000	\$ 1,115,000		\$ -	\$ 1,115,000
2/21/2017	3	ED	193	19.80	26.95	Multiple mudslides	Remove mudslides and stabilize slope	\$10,000	\$1,000,000	\$ 1,280,000		\$ -	\$ 1,280,000
2/21/2017	3	ED	193	24.40	26.40	Multiple slipouts	Rebuild roadway and embankment	\$5,000	\$540,000	\$ 675,000		\$ -	\$ 675,000
2/21/2017	3	ED	193	26.40		Slipout	Soldier Pile Wall	\$0	\$3,000,000	\$ 3,720,000		\$ -	\$ 3,720,000
1/8/2017	3	Nev	20			Flooding Bear Valley, down tree		\$5,000		\$ 5,000		\$ -	\$ 5,000
1/8/2017	3	Nev	49	21.5		Independence Trail, slide out		\$5,000		\$ 5,000		\$ -	\$ 5,000
1/11/2017	3	Nev	49	22.45	22.48	Rockslide		\$5,000		\$ 5,000		\$ -	\$ 5,000
1/12/2017	3	Nev	49	17.50	32.60	Multiple mudslides	Remove overhanging trees, protruding rocks	\$20,000	\$1,000,000	\$ 1,120,000		\$ -	\$ 1,120,000
1/12/2017	3	Nev	49	20.35		Slide		\$5,000		\$ 5,000		\$ -	\$ 5,000
1/19/2017	3	Nev	49	22.50		Slipout	Soldier Pile Wall	\$0	\$2,120,000	\$ 2,810,000		\$ -	\$ 2,810,000
2/8/2017	3	Nev	49	22.70		Slipout	Install Soldier Pile Wall	\$10,000	\$2,925,000	\$ 3,555,000		\$ -	\$ 3,555,000
1/8/2017	3	NEV	80	R9.2	R9.6	Mudslide	Remove Slide, Teichert Const	\$20,000	\$410,000	\$ 480,000		\$ -	\$ 480,000
1/8/2017	3	Nev	80			Mudslide - east of Floriston		\$5,000		\$ 5,000		\$ -	\$ 5,000
2/10/2017	3	NEV	80	24.8/31.78		Mudslides and rockslides	Remove slides	\$20,000	\$500,000	\$ 595,000		\$ -	\$ 595,000
2/10/2017	3	NEV	80	24.5/24.8		Mudslide	Remove slide and cutback slope	\$15,000	\$1,960,000	\$ 2,475,000		\$ -	\$ 2,475,000
4/25/2017	3	NEV	80	R2.5		Culvert failures	Replace / install culvert liner	\$15,000	\$450,000	\$ 585,000		\$ -	\$ 585,000
1/13/2017	3	Nev	174	0.05		Active slide		\$10,000	\$500,000	\$ 680,000		\$ -	\$ 680,000
1/13/2017	3	Nev	174	1.07		Slide		\$10,000	\$200,000	\$ 210,000		\$ -	\$ 210,000
1/13/2017	3	Nev	174	1.50		Roadway Settlement		\$0	\$50,000	\$ 50,000		\$ -	\$ 50,000
1/13/2017	3	Nev	174	3.20		Slide		\$5,000	\$50,000	\$ 55,000		\$ -	\$ 55,000
2/10/2017	3	PLA	80	47.30		Major mudslide	Remove mudslide and cutback slope	\$20,000	\$1,210,000	\$ 1,560,000		\$ -	\$ 1,560,000
1/11/2017	3	Pla	174	2.50		embankment failure	Repair embankment, install RSP	\$5,000	\$400,000	\$ 480,000		\$ -	\$ 480,000
2/6/2017	3	Pla	193	9.83		Sinkhole	Repair sinkhole, install DI and replace culvert	\$50,000	\$340,000	\$ 500,000		\$ -	\$ 500,000
2/28/2017	3	Pla/Nev	89	13.05/21.67; 0.3/1.5		Accelerated Pavement Failure	Cold plane and overlay highway, digouts		\$5,870,000	\$ 6,330,000		\$ -	\$ 6,330,000



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Incident Date	Dist	Co	Rte	PMb	PMA	Brief Description of Damage	Emergency Opening Scope of Work	EO Maint Crews	EO Contract	Total EO	Permanent Restoration Scope of Work	PR Total	Total EO+PR
1/8/2017	3	Sac	80	M0.4		Camino)	Repair embankment	\$2,000	\$360,000	\$ 413,000		\$ -	\$ 413,000
1/8/2017	3	Sac	104			Flooding		\$5,000		\$ 5,000		\$ -	\$ 5,000
1/12/2017	3	Sac	160	L4.5	L9.4	Pavement/slope failure	Repair roadway, Myers and Sons	\$0	\$1,640,000	\$ 1,865,000		\$ -	\$ 1,865,000
2/15/2017	3	SAC	220	0.0/3.11		Roadway Failure and Embankment Failure	Repair roadway and embankment damage		\$560,000	\$ 640,000		\$ -	\$ 640,000
1/8/2016	3	Sac	5/50	3.0/ 14-15		Failing Base, sinking slabs	Slab Replacements		\$2,000,000	\$ 2,225,000		\$ -	\$ 2,225,000
1/8/2017	3	SIE	49	18.16		Rockslide	Remove Slide, Loraine Brothers	\$15,000	\$500,000	\$ 625,000		\$ -	\$ 625,000
1/9/2017	3	Sie	49	20.48, 27.41		Plugged culverts	Repair embankment, repair culvert	\$2,500	\$550,000	\$ 612,500		\$ -	\$ 612,500
1/11/2017	3	Sie	49	2.50		Mudslide	Remove mudslide, repair slope and MBGR	\$20,000	\$1,500,000	\$ 1,575,000		\$ -	\$ 1,575,000
1/11/2017	3	Sie	49	3.03	3.09	Slide with guardrail damage		\$5,000		\$ 5,000		\$ -	\$ 5,000
1/11/2017	3	Sie	49	16.50		Slide with guardrail damage		\$5,000		\$ 5,000		\$ -	\$ 5,000
1/11/2017	3	Sie	49	23.30		Rockslide		\$5,000		\$ 5,000		\$ -	\$ 5,000
1/12/2017	3	Sie	49	0.00	23.30	Multiple mudslides	Remove overhanging trees, protruding rocks	\$20,000	\$2,000,000	\$ 2,220,000		\$ -	\$ 2,220,000
1/12/2017	3	Sie	49	0.80		Slide		\$5,000		\$ 5,000		\$ -	\$ 5,000
1/14/2017	3	Sie	49	2.41	2.61	Slipout at 3 locations	Install (3) soldier pile walls	\$5,000	\$5,000,000	\$ 5,765,000		\$ -	\$ 5,765,000
2/9/2017	3	SIE	49	45.19		Slipout	Install Soldier Pile Wall	\$10,000	\$3,050,000	\$ 3,730,000		\$ -	\$ 3,730,000
2/13/2017	3	SIE	89/49	5/15.55;47.4/48.83		Major Flood Damage	Repair shoulder, roadway and drainage syst	\$30,000	\$2,900,000	\$ 3,155,000		\$ -	\$ 3,155,000
	3	SUT	20	17.00		Bridge Scour	Install RSP	\$0	\$2,110,000	\$ 2,396,000		\$ -	\$ 2,396,000
2/11/2017	3	SUT	99	M7.5/M7.9		Flooding	Vactor/Clean Ditch	\$50,000		\$ 50,000		\$ -	\$ 50,000
1/10/2017	3	Yol	16	20.75		failed culvert	Repair culvert, Teichert Const	\$10,000	\$310,000	\$ 392,000		\$ -	\$ 392,000
1/8/2017	3	Yol	50	0.5	1.50	Flooding at Harbor Blvd		\$5,000		\$ 5,000		\$ -	\$ 5,000
1/8/2017	3	Yol	128	3.7		slip out undermining roadway due to tree	Repair embankment, repair roadway	\$10,000	\$300,000	\$ 365,000		\$ -	\$ 365,000
2/22/2017	3	Yol	16	1.5/1.7		slipout	Install Soldier Pile Wall		\$8,630,000	\$ 9,770,000		\$ -	\$ 9,770,000
2/22/2017	3	Yol	16	0.0/5.5		multiple mudslides (16 total)	Remove mudslides and stabilize slope		\$2,770,000	\$ 3,135,000	cable mesh drapery	\$ 2,500,000	\$ 5,635,000
1/9/2017	3	Yub	49	0.66	3.22	Multiple mudslides	Remove overhanging trees, protruding rocks	\$10,000	\$250,000	\$ 272,500		\$ -	\$ 272,500
1/12/2017	3	Yub	49	2.00		Slide		\$5,000		\$ 5,000		\$ -	\$ 5,000
1/12/2017	3	Yub	49	1.95		Rockslide		\$5,000		\$ 5,000		\$ -	\$ 5,000
2/8/2017	3	Yub	49	6.73		Slipout	Install Soldier Pile Wall	\$2,500	\$2,200,000	\$ 2,682,500		\$ -	\$ 2,682,500
2/16/2017	3	YUB	49	6.11		Slipout	Install Soldier Pile Wall		\$1,420,000	\$ 1,600,000		\$ -	\$ 1,600,000
2/7/2017	4	Ala	13	4.4		slide	Soldier Pile Wall	\$ 5,000	\$ 6,000,000	\$ 9,055,000		\$ -	\$ 9,055,000
1/23/2017	4	Ala	13	9.2		sinkhole, failed culvert	replace culvert, injectin grouting		\$ 2,000,000	\$ 2,900,000		\$ -	\$ 2,900,000
2/7/2017	4	Ala	24	1.9	6.0	accelerated pavement failure	AC digouts, planing, and overlay		\$ 1,500,000	\$ 1,950,000		\$ -	\$ 1,950,000
1/9/2017	4	Ala	84	11.0	17.0	slides	remove debris, traffic control	\$ 30,000		\$ 30,000		\$ -	\$ 30,000
2/9/2017	4	Ala	84	12.0	13.0	rock slides	rockfall fence		\$ 1,000,000	\$ 1,275,000		\$ -	\$ 1,275,000
2/9/2017	4	Ala	84	22.2	22.5	two slides	RSP		\$ 2,450,000	\$ 3,430,000		\$ -	\$ 3,430,000
1/23/2017	4	Ala	92	2.6	5.6	accelerated pavement failure	AC digouts and paving		\$ 1,350,000	\$ 1,760,000		\$ -	\$ 1,760,000
4/6/2017	4	Ala	92	6.5		erosion				\$ -	RSP (tentative)	\$ 1,190,000	\$ 1,190,000
1/23/2017	4	Ala	185	0.4	3.2	accelerated pavement failure	AC digouts and paving		\$ 1,750,000	\$ 2,275,000		\$ -	\$ 2,275,000
1/23/2017	4	Ala	238	14.4	16.6	accelerated pavement failure	AC digouts and paving		\$ 1,250,000	\$ 1,610,000		\$ -	\$ 1,610,000
1/12/2017	4	Ala	580	1.5	3.9	accelerated pavement failure	AC digouts and paving		\$ 2,000,000	\$ 2,900,000		\$ -	\$ 2,900,000
2/23/2017	4	Ala	580	4.3	5.8	slide, erosion				\$ -	RSP, replace drainage (tentative)	\$ 1,640,000	\$ 1,640,000
1/10/2017	4	Ala	580	36.8	38.5	embankment settlement	excavate, recompact, repair drainage		\$ 1,150,000	\$ 1,550,000		\$ -	\$ 1,550,000
2/9/2017	4	Ala	680	0.4		slide	RSP		\$ 600,000	\$ 750,000		\$ -	\$ 750,000
3/1/2017	4	Ala	680	19.3		slide				\$ -	RSP	\$ 1,210,000	\$ 1,210,000
1/23/2017	4	Ala	880	16.5	18.3	accelerated pavement failure	plane and overlay AC		\$ 1,300,000	\$ 1,700,000		\$ -	\$ 1,700,000

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1/23/2017	4	Ala	880	22.0	30.0	accelerated pavement failure	plane and overlay AC		\$ 2,700,000	\$ 3,510,000		\$ -	\$ 3,510,000
1/23/2017	4	CC	24	8.0	9.1	accelerated pavement failure	AC digouts, planing, and overlay		\$ 1,500,000	\$ 1,950,000		\$ -	\$ 1,950,000
1/23/2017	4	CC	80	0.0	10.1	accelerated pavement failure	plane and overlay AC		\$ 1,500,000	\$ 2,000,000		\$ -	\$ 2,000,000
1/23/2017	4	CC	80	10.7	13.0	accelerated pavement failure	replace PCC slabs		\$ 840,000	\$ 1,095,000		\$ -	\$ 1,095,000
1/23/2017	4	CC	680	0.0	7.5	accelerated pavement failure	replace PCC slabs		\$ 700,000	\$ 910,000		\$ -	\$ 910,000
1/23/2017	4	CC	680	12.7	17.6	accelerated pavement failure	AC digouts and paving		\$ 2,600,000	\$ 3,380,000		\$ -	\$ 3,380,000
1/16/2017	4	Mrn	1	0.1		flooding	modify drainage, relocate electrical, repair AC pavement		\$ 1,100,000	\$ 1,555,000		\$ -	\$ 1,555,000
2/17/2017	4	Mrn	1	1.6	2.5	slipouts (PM 1.6, 1.8), washout (PM 2.5)	sheet pile wall (PM 1.6, 1.8), RSP (PM 2.5)		\$ 2,000,000	\$ 2,930,000		\$ -	\$ 2,930,000
1/8/2017	4	Mrn	1	4.0	5.0	slipout (PM 4.8), sinkhole (PM 4.0)	soldier pile wall, replace culvert		\$ 7,000,000	\$ 10,400,000		\$ -	\$ 10,400,000
2/22/2017	4	Mrn	1	4.6		slipout	tie-back wall			\$ 160,000		\$ -	\$ 160,000
2/22/2017	4	Mrn	1	6.6		slipout	soldier pile wall		\$ 6,130,000	\$ 8,780,000		\$ -	\$ 8,780,000
2/22/2017	4	Mrn	1	7.7	7.8	slipout	soldier pile wall		\$ 7,240,000	\$ 9,890,000		\$ -	\$ 9,890,000
3/1/2017	4	Mrn	1	8.1		slipout	soldier pile wall		\$ 2,206,000	\$ 5,175,000		\$ -	\$ 5,175,000
3/1/2017	4	Mrn	1	8.2	8.5	slipout	soldier pile wall		\$ 3,790,000	\$ 5,410,000		\$ -	\$ 5,410,000
2/22/2017	4	Mrn	1	10.8		slipout	tie-back wall		\$ 13,900,000	\$ 17,400,000		\$ -	\$ 17,400,000
1/13/2017	4	Mrn	1	10.9		slipout	soldier pile wall		\$ 3,000,000	\$ 5,600,000		\$ -	\$ 5,600,000
3/7/2017	4	Mrn	1	11.5		slipout	soldier pile wall		\$ 8,000,000	\$ 11,060,000		\$ -	\$ 11,060,000
3/3/2017	4	Mrn	1	22.8		two washouts	replace culvert, sheet pile wall		\$ 4,000,000	\$ 5,530,000		\$ -	\$ 5,530,000
1/12/2017	4	Mrn	1	33.4		abutment washout	sheet pile wall, RSP		\$ 2,600,000	\$ 3,650,000		\$ -	\$ 3,650,000
3/3/2017	4	Mrn	1	35.3		washout	replace culvert		\$ 1,400,000	\$ 1,805,000		\$ -	\$ 1,805,000
1/31/2017	4	Mrn	1	43.3		sinkhole, failed culvert	replace culvert		\$ 291,000	\$ 441,000		\$ -	\$ 441,000
1/11/2017	4	Mrn	37	11.2	12.0	flooding	traffic control, AC overlay, drainage, concrete barrier	\$ 100,000	\$ 8,000,000	\$ 11,520,000		\$ -	\$ 11,520,000
1/22/2017	4	Mrn	101	12.2		slide				\$ -		\$ -	\$ -
2/26/2017	4	Mrn	101	21.7	22.8	creek debris, slide	remove debris, sheet pile wall		\$ 1,150,000	\$ 1,605,000		\$ -	\$ 1,605,000
2/8/2017	4	Mrn	580	2.7		slide				\$ -	Grading	\$ 1,160,000	\$ 1,160,000
1/23/2017	4	Nap	12	2.1		slide				\$ -	RSP	\$ 1,160,000	\$ 1,160,000
1/23/2017	4	Nap	29	12.2		slipout				\$ -	injection grouting (tentative)	\$ 1,160,000	\$ 1,160,000
3/9/2017	4	Nap	29	19.6		sinkhole				\$ -	injection grouting	\$ 1,000,000	\$ 1,000,000
4/5/2017	4	Nap	29	46.1		slipout				\$ -	soldier pile wall (tentative)	\$ 2,710,000	\$ 2,710,000
1/19/2017	4	Nap	121	6.9		flooding				\$ -	grading and drainage (tentative)	\$ 595,000	\$ 595,000
1/23/2017	4	Nap	121	12.1		sinkhole				\$ -	injection grouting (tentative)	\$ 1,190,000	\$ 1,190,000
1/23/2017	4	Nap	121	14.8		slide				\$ -	grading (tentative)	\$ 1,200,000	\$ 1,200,000
1/23/2017	4	Nap	121	16.1		slide				\$ -	tie-back wall (tentative)	\$ 3,600,000	\$ 3,600,000
1/23/2017	4	Nap	121	17.1		slide				\$ -	grading (tentative)	\$ 1,170,000	\$ 1,170,000
2/16/2017	4	Nap	121	17.4	18.4	washout	replace failed culverts		\$ 1,400,000	\$ 1,830,000		\$ -	\$ 1,830,000
2/16/2017	4	Nap	121	19.3		washout				\$ -	RSP (tentative)	\$ 1,200,000	\$ 1,200,000
2/16/2017	4	Nap	121	20.1		washout				\$ -	RSP (tentative)	\$ 1,200,000	\$ 1,200,000
1/23/2017	4	Nap	121	20.7		creek washout				\$ -	soilnail wall (tentative)	\$ 1,610,000	\$ 1,610,000
1/22/2017	4	Nap	128	17.8		slide	grading		\$ 400,000	\$ 610,000		\$ -	\$ 610,000
1/11/2017	4	Nap	128	32.1		slide	remove debris, traffic control	\$ 5,000		\$ 5,000		\$ -	\$ 5,000
1/10/2017	4	SCI	9	0.0	4.8	rockslides, mudslides	remove debris, traffic control	\$ 15,000	\$ 1,500,000	\$ 2,125,000		\$ -	\$ 2,125,000
2/18/2017	4	SCI	9	0.0	5.0	slides, slipouts	remove debris, anchored drapery, sheet pile wall		\$ 3,380,000	\$ 4,350,000		\$ -	\$ 4,350,000
1/12/2017	4	SCI	17	0.0	5.8	mudslide/rockslides, failed drapery	remove debris, soilnail wall(PM 5.8)	\$ 10,000	\$ 2,600,000	\$ 4,060,000		\$ -	\$ 4,060,000
2/14/2017	4	SCI	17	3.0	3.1	sinkhole, failed culvert	replace culverts, injection grouting		\$ 2,100,000	\$ 3,010,000		\$ -	\$ 3,010,000
2/10/2017	4	SCI	35	9.1	10.5	2 slipouts	traffic control, detour, site management		\$ 1,000,000	\$ 5,500,000		\$ -	\$ 5,500,000
2/10/2017	4	SCI	35	9.5		slipout	tie-back wall		\$ 3,000,000	\$ 5,550,000		\$ -	\$ 5,550,000
2/10/2017	4	SCI	35	10.5		washout	soldier pile wall (tentative)		\$ 27,610,000	\$ 37,410,000		\$ -	\$ 37,410,000
3/10/2017	4	SCI	35	12.4		sinkhole	jack culvert		\$ 1,300,000	\$ 1,835,000		\$ -	\$ 1,835,000
2/21/2017	4	SCI	101	26.4	36.1	flooding at two locations	traffic control	\$ 20,000		\$ 20,000		\$ -	\$ 20,000
4/12/2017	4	SCI	101	26.7		MSE wall material washout	injection grouting		\$ 1,100,000	\$ 1,500,000		\$ -	\$ 1,500,000
2/20/2017	4	SCI	130	9.3		slipout	tie-back wall, sheet pile wall	\$ 5,000	\$ 3,770,000	\$ 6,000,000		\$ -	\$ 6,000,000
1/9/2017	4	SCI	152	0.0	5.0	several slide locations	remove debris, traffic control, install K-rail	\$ 100,000		\$ 100,000		\$ -	\$ 100,000
2/8/2017	4	SCI	152	1.5		slide	remove debris, grading		\$ 2,500,000	\$ 3,460,000		\$ -	\$ 3,460,000

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Incident Date	Dist	Co	Rte	PMb	PMA	Brief Description of Damage	Emergency Opening Scope of Work	EO Maint Crews	EO Contract	Total EO	Permanent Restoration Scope of Work	PR Total	Total EO+PR
1/23/2017	4	SCI	152	7.9	9.4	accelerated pavement failure	AC planing and overlay		\$ 1,000,000	\$ 1,300,000		\$ -	\$ 1,300,000
2/8/2017	4	SCI	152	17.0		washout	sheet pile wall, RSP		\$ 2,000,000	\$ 2,905,000		\$ -	\$ 2,905,000
1/18/2017	4	SF	1	5.9	6.3	washout	RSP		\$ 100,000	\$ 190,000	reconstruct slope	\$ 480,000	\$ 670,000
3/1/2017	4	SF	101	2.3		slide	remove debris	\$ 5,000		\$ 5,000		\$ -	\$ 5,000
2/9/2017	4	SM	1	13.5	15.1	5 slipouts	gabions, RSP, sheet pile wall		\$ 3,600,000	\$ 4,985,000		\$ -	\$ 4,985,000
2/10/2017	4	SM	1	17.0	17.5	slipout	tie-back wall, RSP		\$ 3,000,000	\$ 5,035,000		\$ -	\$ 5,035,000
1/9/2017	4	SM	1	42.6	43.5	slide	remove debris, traffic control, install K-rail	\$ 15,000		\$ 15,000	soilnail wall (tentative)	\$ 2,075,000	\$ 2,090,000
2/8/2017	4	SM	35	9.8		slipout	tie-back wall		\$ 3,000,000	\$ 4,835,000		\$ -	\$ 4,835,000
2/8/2017	4	SM	35	9.9		slide	soilnail wall		\$ 1,000,000	\$ 1,100,000		\$ -	\$ 1,100,000
2/10/2017	4	SM	35	11.5		slide	two-tiered tie-back wall	\$ 5,000	\$ 6,000,000	\$ 8,655,000		\$ -	\$ 8,655,000
1/12/2017	4	SM	35	13.1		slipout	soldier pile wall		\$ 2,500,000	\$ 4,335,000		\$ -	\$ 4,335,000
1/9/2017	4	SM	35	15.5		slide	remove debris, traffic control	\$ 5,000		\$ 5,000		\$ -	\$ 5,000
2/16/2017	4	SM	35	21.0		slipout				\$ -	soldier pile wall (tentative)	\$ 4,525,000	\$ 4,525,000
2/1/2017	4	SM	35	26.1	28.9	slides	RSP, replace culvert		\$ 800,000	\$ 1,145,000		\$ -	\$ 1,145,000
2/17/2017	4	SM	84	7.8	8.8	slipout	RSP		\$ 1,200,000	\$ 1,660,000		\$ -	\$ 1,660,000
2/20/2017	4	SM	84	12.0	12.5	slide	AC leveling and paving, replace culvert		\$ 450,000	\$ 605,000		\$ -	\$ 605,000
1/11/2017	4	SM	84	15.4	15.5	slide	traffic control, soldier pile wall	\$ 5,000	\$ 3,500,000	\$ 5,805,000		\$ -	\$ 5,805,000
1/11/2017	4	SM	84	16.0		washout	tie-back wall		\$ 3,000,000	\$ 4,800,000		\$ -	\$ 4,800,000
4/12/2017	4	SM	84	16.3	17.6	slipout	two soldier pile walls		\$ 4,330,000	\$ 6,320,000		\$ -	\$ 6,320,000
2/26/2017	4	SM	92	0.9		slipout	tie-back wall		\$ 2,000,000	\$ 3,040,000		\$ -	\$ 3,040,000
2/22/2017	4	SM	92	3.7		cracked retaining wall with water seeping				\$ -	horizontal drains, grouting (tentative)	\$ 2,110,000	\$ 2,110,000
2/6/2017	4	SM	92	6.0		washout				\$ -	RSP (tentative)	\$ 1,170,000	\$ 1,170,000
1/12/2017	4	SM	101	3.5	12.6	accelerated pavement failure	AC digouts and paving		\$ 700,000	\$ 1,050,000		\$ -	\$ 1,050,000
1/12/2017	4	SM	101	17.9	26.1	accelerated pavement failure	AC digouts and paving		\$ 1,500,000	\$ 1,950,000		\$ -	\$ 1,950,000
3/7/2017	4	SM	280	8.5	10.0	two sinkholes	replace culverts		\$ 1,220,000	\$ 1,620,000		\$ -	\$ 1,620,000
2/16/2017	4	SM	280	20.4		washout	replace culverts, RSP		\$ 850,000	\$ 1,205,000		\$ -	\$ 1,205,000
1/12/2017	4	Sol	12	2.4		flooding				\$ -	grading, drainage	\$ 610,000	\$ 610,000
1/23/2017	4	Sol	12	7.4	17.1	accelerated pavement failure	AC digouts and paving		\$ 2,200,000	\$ 2,860,000		\$ -	\$ 2,860,000
1/11/2017	4	Sol	37	7.0		flooding	traffic control	\$ 20,000		\$ 20,000		\$ -	\$ 20,000
1/23/2017	4	Sol	113	4.0	17.0	accelerated pavement failure	AC digouts and paving		\$ 1,800,000	\$ 2,340,000		\$ -	\$ 2,340,000
1/16/2017	4	Sol	113	1.5	5.0	sinkhole (PM 1.5), culvert washout (PM 5.0)	replace culvert (PM 1.5), replace double culvert (PM 5.0)		\$ 500,000	\$ 500,000		\$ -	\$ 500,000
1/11/2017	4	Sol	113	5.5		culvert washout	replace double culvert		\$ 1,000,000	\$ 1,410,000		\$ -	\$ 1,410,000
1/12/2017	4	Sol	128	0.4	0.5	rockslide	blasting, scaling, remove debris		\$ 800,000	\$ 1,100,000	cable mesh drapery	\$ 1,830,000	\$ 2,930,000
4/13/2017	4	Sol	220	2.1		emankment settlement				\$ -	reconstruct embankment (tentative)	\$ 3,510,000	\$ 3,510,000
3/3/2017	4	Son	1	23.4		sinkhole				\$ -	replace culvert	\$ 1,010,000	\$ 1,010,000
2/1/2017	4	Son	1	25.1	25.2	slipout	soldier pile wall		\$ 5,000,000	\$ 7,710,000		\$ -	\$ 7,710,000
2/27/2017	4	Son	1	31.4		slide	sheet pile wall		\$ 900,000	\$ 1,100,000		\$ -	\$ 1,100,000
2/1/2017	4	Son	1	31.9		slide	sheet pile wall		\$ 600,000	\$ 910,000	soldier pile wall (tentative)	\$ 5,450,000	\$ 6,360,000
2/16/2017	4	Son	12	17.6	18.5	accelerated pavement failure	AC digouts and paving		\$ 400,000	\$ 575,000		\$ -	\$ 575,000
1/12/2017	4	Son	101	1.2		slide	RSP		\$ 1,000,000	\$ 1,350,000		\$ -	\$ 1,350,000
1/23/2017	4	Son	101	37.1	37.2	slide	soldier pile wall		\$ 3,000,000	\$ 5,010,000		\$ -	\$ 5,010,000
1/8/2017	4	Son	116	39.9	40.1	two slipouts	reconstruct embankment lightweight fill		\$ 1,700,000	\$ 2,540,000		\$ -	\$ 2,540,000
1/10/2017	4	Son	116	43.3		washout	GRE		\$ 1,000,000	\$ 1,510,000		\$ -	\$ 1,510,000
1/8/2017	4	Son	121	7.4		flooding	traffic control	\$ 20,000		\$ 20,000		\$ -	\$ 20,000
1/23/2017	4	Son	121	9.7	10.3	slipouts				\$ -	injection grouting, lightweight fill	\$ 1,630,000	\$ 1,630,000
1/23/2017	4	Son	128	1.3		slipout	extend soldier pile wall		\$ 2,500,000	\$ 4,610,000		\$ -	\$ 4,610,000
2/16/2017	4	Son	128	15.4	17.4	accelerated pavement failure	AC digouts and paving		\$ 1,140,000	\$ 1,490,000		\$ -	\$ 1,490,000
2/16/2017	4	Son	128	16.1		slide				\$ -	grading (tentative)	\$ 1,200,000	\$ 1,200,000
1/12/2017	4	Son	128	16.2		creek washout	bio-armoring, RSP		\$ 1,500,000	\$ 2,210,000		\$ -	\$ 2,210,000
2/21/2017	4	Son	128	16.2	16.4	slipout (16.2), failed rock netting (PM 16.4)	secant wall, repair rock net		\$ 500,000	\$ 510,000		\$ -	\$ 510,000
2/16/2017	4	Son	128	16.6	16.8	washout				\$ -	RSP (tentative)	\$ 1,430,000	\$ 1,430,000
1/13/2017	5	Mon	1	8.00	23.0	Landslide Activity - Road Closed	Landslide material at multiple sites has increased	\$40,000	\$9,500,000	\$ 12,465,000	Mud Creek Viaducts and Walls	\$ 10,000,000	\$ 22,465,000



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1/13/2017	5	Mon	1	8.00	23.0	Landslide Activity - Road Closed	Remove landslide material at multiple sites	\$73,400	\$2,500,000	\$ 3,473,400		\$ -	\$ 3,473,400
2/27/2017	5	Mon	1	47.00	58.0	Landslides and washouts - Big Sur to Hurricane Point - Road Closed	Remove slide material, reconstruct embankment slopes, and restore roadway	\$20,000	\$1,000,000	\$ 1,445,000	Mon-1-55.9 Little Sur River Micropile Wall - 150' being evaluated	\$ 2,860,000	\$ 4,305,000
2/27/2017	5	Mon	1	47.00	60.0	Landslides and washouts - Big Sur to Rocky Creek Viaduct - Road Restrictions	Remove slide material, reconstruct embankment slopes, and restore roadway	\$0	\$1,000,000	\$ 1,230,000		\$ -	\$ 1,230,000
1/11/2017	5	Mon	1	49.00	49.0	Big Sur River Washout	Reconstruct side slope / river bank with RSP	\$45,400	\$800,000	\$ 1,072,400		\$ -	\$ 1,072,400
2/11/2017	5	Mon	1	45.40	45.80	Replace Pfeiffer Canyon Bridge	Replace bridge	\$0	\$21,000,000	\$ 26,500,000	Replace Bridge	\$ -	\$ 26,500,000
2/11/2017	5	Mon	1	45.52	45.52	Landslide - Damaged Pfeiffer Canyon Bridge No. 44-0060. Road Closed	Replace Bridge	\$2,000	\$3,000,000	\$ 4,022,000		\$ -	\$ 4,022,000
2/12/2017	5	Mon	1	23.00	45.40	Landslides and washouts - Lucia to Pfeiffer Canyon - Road Restrictions	Remove slide material, reconstruct embankment slopes, and restore roadway	\$2,000	\$5,500,000	\$ 7,112,000	Mon-1-27.5/27.7 Orient Express Viaduct/Wall 800' x ? Viaduct or Tieback Wall Structures: \$4,000,000 - Roadway: \$1,500,000	\$ 6,770,000	\$ 13,882,000
2/12/2017	5	Mon	1			Landslides and washouts - Lucia to Pfeiffer Canyon - Road Restrictions	slipout			\$ -	Mon-1-27.5/27.7 Orient Express Tieback Wall 400' x ? Wall Structures: \$1,400,000 - Roadway: \$700,000	\$ 2,870,000	\$ 2,870,000
2/12/2017	5	Mon	1			Landslides and washouts - Lucia to Pfeiffer Canyon - Road Restrictions	slipout			\$ -	Mon-1-27.5/27.7 Orient Express Tieback Wall 200' x ? Structures: \$800,000 - Roadway: \$700,000	\$ 1,620,000	\$ 1,620,000
2/12/2017	5	Mon	1			Landslides and washouts - Lucia to Pfeiffer Canyon - Road Restrictions	slipout			\$ -	900' x ? Wall, dewatering, restoration of roadway and mitigation. Structures: \$2,800,000 - Roadway: \$700,000	\$ 4,600,000	\$ 4,600,000
2/3/2017	5	Mon	1	28.20	28.40	Cow Cliffs Rock Net System failure - Road Closed	Remove slide material, restore rockfall barrier system, and repave lanes	\$19,400	\$600,000	\$ 824,400		\$ -	\$ 824,400
3/1/2017	5	Mon	101	92.50	92.50	Washout, and Drainage / Embankment Failure Shoulder Closed	Failed box culvert wingwall and embankment repair	\$2,000	\$500,000	\$ 662,000		\$ -	\$ 662,000
2/3/2017	5	Mon	68	11.93	11.93	Sink hole in EB lane	cut and cover culvert replacement repair side slopes and undermined roadway	\$10,000	\$400,000	\$ 535,000		\$ -	\$ 535,000
2/3/2017	5	Mon	68	11.93	11.93	Sink hole in EB lane complete roadway restoration	cut and cover culvert replacement repair side slopes and undermined roadway	\$10,000	\$100,000	\$ 140,000		\$ -	\$ 140,000
2/3/2017	5	SB	101,154	Var	Var	Gaviota and San Marcos Pass Rock Net and Barrier Repair	Restore rock net systems, MBGR and roadway	\$5,000	\$1,200,000	\$ 1,450,000		\$ -	\$ 1,450,000
2/23/2017	5	SB	101	56.00	57.7	PCC slab failure in Buellton	replace damaged slabs	\$5,000	\$1,800,000	\$ 3,365,000		\$ -	\$ 3,365,000
1/12/2017	5	SCr	17	9.80	10.80	Landslide Activity - Lane Restrictions	Install micro piles at EP, stabilize slope and remove materials as needed.	\$0	\$500,000	\$ 760,000	Tieback Wall 20' x 150'	\$ 2,575,000	\$ 3,335,000



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1/20/2017	5	SCr	17	5.87	12.55	Rock, mud and tree fall.	Clear and haul debris, reopen lanes, temp traffic control	\$0	\$1,000,000	\$ 1,265,000		\$ -	\$ 1,265,000
1/20/2017	5	SCr	17	5.87	12.55	Rock, mud and tree fall.	Clear and haul debris, reopen lanes, temp traffic control	\$58,000	\$500,000	\$ 680,000		\$ -	\$ 680,000
1/22/2017	5	SCr	129	5.52	8.2	Scope Change Supplemental to repair sink hole and replace culvert	cut and cover culvert replacement repair embankment and undermined roadway	\$2,000		\$ 2,000		\$ -	\$ 2,000
1/22/2017	5	SCr	129	8.20	8.2	Rock mud slide and washout.	Clear and haul debris, rebuild embankment and guardrail, temp traffic control	\$7,000	\$500,000	\$ 614,000		\$ -	\$ 614,000
1/26/2017	5	SCr	152	4.14	8.3	Landslide Activity - One Way Traffic Control	Embankment Repair and Slide removal	\$42,900	\$500,000	\$ 697,900		\$ -	\$ 697,900
1/8/2017	5	SCr	1, 9, 35, 236	Var	Var	Tree, slide and rock fall removal. Slope, drainage and roadway repair	Cut and remove trees and maintain clearing of repeated mudslides, rock-fall and landslides. Restore roadway.	\$20,000	\$5,000,000	\$ 6,230,000	SCr-9-1.0 Slipout Tieback Retaining Wall 15' W x 150' L Structures: \$700,000 - Roadway: \$400,000	\$ 1,520,000	\$ 7,750,000
1/8/2017	5	SCr	9	Var	Var	slipout				\$ -	SCr-9-4.0 Slipout Viaduct 20' W x 350' L Structures: \$2,800,000 - Roadway: \$500,000	\$ 4,320,000	\$ 4,320,000
1/8/2017	5	SCr	9	Var	Var	slipout				\$ -	SCr-9-10.8 Slipout Viaduct Extension 20' W x 150' L Structures: \$1,200,000 - Roadway: \$800,000	\$ 2,560,000	\$ 2,560,000
1/8/2017	5	SCr	9	Var	Var	slipout				\$ -	SCr-9-11.0 Slipout Viaduct 20' W x 300' L Structures: \$2,400,000 - Roadway: \$900,000	\$ 4,340,000	\$ 4,340,000
1/8/2017	5	SCr	9	Var	Var	slipout				\$ -	SCr-9-15.0 Slipout Viaduct 20' W x 150' L Structures: \$1,300,000 - Roadway: \$700,000	\$ 2,570,000	\$ 2,570,000
1/8/2017	5	SCr	9	Var	Var	slipout				\$ -	SCr-9-19.9 Hairpin Curve Slipout Tieback Retaining Wall 20' W x 120' L Structures: \$720,000 - Roadway: \$480,000	\$ 1,620,000	\$ 1,620,000
1/8/2017	5	SCr	1, 9, 35, 236	Var	Var	Tree, slide and rock fall removal. Slope, drainage and roadway repair	Cut and remove trees and maintain clearing of repeated mudslides, rock-fall and	\$60,000	\$2,000,000	\$ 2,990,000		\$ -	\$ 2,990,000
3/15/2017	5	SLO	1	28.8	28.8	Sink hole in SB lane and median	Cut and cover culvert replacement	\$2,000	\$400,000	\$ 552,000		\$ -	\$ 552,000
1/6/2017	5	SLO	41	6.00	6.0	Landslide Activity - Road Open	Remove slide material, restore rock nets and roadway	\$0	\$500,000	\$ 550,000		\$ -	\$ 550,000
1/6/2017	5	SLO	41	6.00	6.0	Landslide Activity - Road Closed	Remove slide material, restore rock nets and roadway	\$2,000	\$1,500,000	\$ 1,937,000		\$ -	\$ 1,937,000
1/25/2017	6	Fre	5	58.6	58.8	Accelerated pavement failure	Remove/replace overlay	\$5,000	\$70,000	\$ 105,000		\$ -	\$ 105,000
1/25/2017	6	Fre	5	5.5	8.8	Accelerated pavement failure	Remove/replace slabs	\$5,000	\$500,000	\$ 730,000		\$ -	\$ 730,000
1/20/2017	6	Ker	178	25.0	25.5	Rockslide	Clear rockslide and rock scaling	\$10,000	\$75,000	\$ 150,000		\$ -	\$ 150,000
1/27/2017	6	Kin	5	6.5	9.0	Accelerated pavement failure	Remove/replace overlay	\$5,000	\$500,000	\$ 730,000		\$ -	\$ 730,000
1/11/2017	6	Kin	41	33.0	39.0	Accelerated pavement failure	Remove/replace overlay	\$7,189	\$450,000	\$ 637,189		\$ -	\$ 637,189

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1/7/2017	6	Tul	198	28.6	29.4	Rockslide	Clear rockslide and rock scaling	\$4,703	\$100,000	\$ 159,703		\$ -	\$ 159,703
1/11/2017	6	Tul	245	6.7	6.9	Slipout	Reconstruct slope	\$6,262	\$200,000	\$ 311,262		\$ -	\$ 311,262
2/9/2017	6	Mpa	41	4.2	4.4	Slipout	Reconstruct slope and pavement	\$5,000	\$1,000,000	\$ 1,455,000		\$ -	\$ 1,455,000
2/17/2017	6	Ker	5	4.5	9.5	Mudslide/Rockslide	Clear mud and rocks from road and drains	\$5,000	\$500,000	\$ 755,000		\$ -	\$ 755,000
2/23/2017	6	Fre	180	127.9	128.1	Rockslide	Clear rockslide and rock scaling	\$5,000	\$500,000	\$ 855,000		\$ -	\$ 855,000
3/2/2017	6	Fre	5	24.0	30.0	Accelerated pavement failure	Remove/replace slabs	\$5,000	\$750,000	\$ 1,030,000		\$ -	\$ 1,030,000
3/15/2017	6	Ker	58	76.0	77.0	Accelerated pavement failure	Remove/replace slabs	\$5,000	\$500,000	\$ 755,000		\$ -	\$ 755,000
1/22/2017	7	LA	1	42.1	42.8	Slide, unstable slope	Remove unstable slope material, stabilize slope, repair damaged roadway, clean drainage system	\$10,000	\$1,310,000	\$ 1,370,000		\$ -	\$ 1,370,000
1/23/2017	7	LA	5	49.0	67.9	Damaged AC pavement from rain	Cold plane and overlay highway, digouts	\$25,000	tbd	\$ 25,000		\$ -	\$ 25,000
2/23/2017	7	LA	5	26.6	31.3	Damaged slabs, damaged AC pavement	Repair damage slabs with polyester concrete, replace broken slabs with RSC and replace damaged base as needed, digouts		\$650,000	\$ 650,000		\$ -	\$ 650,000
2/18/2017	7	LA	5	33.1	33.3	Slope washout, damaged MBGR, damaged signs,	Repair slopes, slope pave, replace MBGR	\$25,000	\$259,000	\$ 284,000		\$ -	\$ 284,000
1/17/2017	7	LA	10	40.0	42.0	Slabs severely damaged, undermined base	Remove damaged slabs, repair base, place	\$10,000	\$291,000	\$ 301,000		\$ -	\$ 301,000
2/20/2017	7	LA	10	R3.5	R4.3	Sinkhole, damaged AC, slope slipout	Fill void with slurry, repair slope, repair AC	\$15,000	\$291,000	\$ 306,000		\$ -	\$ 306,000
2/28/2017	7	LA	14	R27.6	42.9	Slide, unstable slope	Repair slope netting anchor, clean the shoulder of debris, place K-rail to protect roadway from slough material.		\$475,000	\$ 475,000	Regrade the slopes and place a possible soil nail wall, re-design the drainage system.	\$ 16,000,000	\$ 16,475,000
1/7/2017	7	LA	23	0.9	1.3	Rock slide, roadway damage from debris falling	Remove unstable slope, stablize slope with wire mesh, repair roadway	\$6,000	\$1,063,000	\$ 1,099,000		\$ -	\$ 1,099,000
1/22/2017	7	LA	27	0.0	11.0	Slide, unstable slope	Remove unstable slope material, stabilize slope, repair damaged roadway, repair guardrail, clear channel, clean drainage system	\$25,000	\$2,000,000	\$ 2,075,000	Geotechnical assessment of 2 areas, slope stabilization, relocate utilities.	\$ 21,000,000	\$ 23,075,000
1/25/2017	7	LA	57	R8.0	R8.4	Slide, unstable slope	Repair slope, clean drainage system	\$20,000	\$304,000	\$ 324,000		\$ -	\$ 324,000
1/10/2017	7	LA	103	1.2	1.6	Flooding on shoulder	Dewater	\$6,000		\$ 6,000		\$ -	\$ 6,000
2/20/2017	7	LA	105	2.0	2.3	Damage to electrical system for safety lighting and	Repair electrical equipment and wiring		\$50,000	\$ 50,000		\$ -	\$ 50,000
3/22/2017	7	LA	105	13.5	14.7	Pumps and motors no longer functioning	Replace all the well pumps and motors	\$25,000	\$490,000	\$ 515,000		\$ -	\$ 515,000
2/11/2017	7	LA	107	4.2	4.9	accelerated pavement failure	Cold plane and overlay highway, digouts		\$1,760,000	\$ 1,760,000		\$ -	\$ 1,760,000
2/23/2017	7	LA	107	0.0	2.1	Accelerated pavement failure	Cold plane and overlay highway, digouts		\$5,500,000	\$ 5,500,000		\$ -	\$ 5,500,000
1/11/2017	7	LA	110	4.8	4.8	Culvert Failure - Flooding on mainline and off-ramp, clogged drainage system	Dewater and remove clog in drainage system traffic control	\$6,000		\$ 6,000		\$ -	\$ 6,000
1/9/2017	7	LA	210	44.9	44.9	Slide - debris blocking shoulder and 1 lane on connector	Remove debris, traffic control	\$6,000		\$ 6,000		\$ -	\$ 6,000
1/11/2017	7	LA	210	20.6	20.6	Slope washout, culvert failure (damaged drainage system)	Repair slope, repair and line pipe, fix invert	\$6,000	\$465,000	\$ 471,000		\$ -	\$ 471,000
2/23/2017	7	LA	210	9.2	9.6	Mudslide and debris flow, damaged fence, slope slipouts	Repair slope, clean drainage system, repair fence	\$10,000		\$ 10,000		\$ -	\$ 10,000
1/10/2017	7	LA	405	48.0	48.5	Slide, unstable slope	Remove debris, place slope protection (erosion control blanket)	\$10,000	\$535,000	\$ 595,000	and replace the existing drainage system on the slope benches, install slope drapery system, apply hydro-seeding on	\$ 5,500,000	\$ 6,095,000
1/11/2017	7	LA	710	21.7	22.1	Damaged AC pavement from rain	Cold Plane & Overlay Ramp	\$7,500		\$ 7,500		\$ -	\$ 7,500
2/6/2017	7	LA	2, 5, 134, 710	Var	Var	Damaged AC pavement from rain	Cold plane and overlay highway, digouts	\$20,000	\$838,000	\$ 858,000		\$ -	\$ 858,000
2/20/2017	7	LA	5, 101, 170	Var	Var	Damaged AC pavement from rain, damaged slabs	Digouts, replace slabs with JPCP-RSC	\$15,000	\$430,000	\$ 445,000		\$ -	\$ 445,000
2/20/2017	7	LA	710	Var	Var	Damaged AC pavement from rain	Digouts, cold plane and overlay freeway	\$35,000	tbd	\$ 35,000		\$ -	\$ 35,000

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Incident Date	Dist	Co	Rte	PMb	PMA	Brief Description of Damage	Emergency Opening Scope of Work	EO Maint Crews	EO Contract	Total EO	Permanent Restoration Scope of Work	PR Total	Total EO+PR
2/20/2017	7	LA	5, 210	Var	Var	Slope washout	Repair slope, repair irrigation line, clean drainage system	\$10,000	\$360,000	\$ 370,000		\$ -	\$ 370,000
1/25/2017	7	LA	47, 110, 405	Var	Var	Slide, unstable slope and sinkhole	Repair slope, repair irrigation line, clean drainage system, repair sinkhole	\$20,000	\$311,000	\$ 331,000		\$ -	\$ 331,000
2/17/2017	7	LA- VEN	1	Var	Var	Slide, unstable slope	Remove debris, clean area around drainage system	\$ 10,000	\$ 2,300,000	\$ 2,360,000		\$ -	\$ 2,360,000
2/20/2017	7	VEN	1 and 101	Var	Var	Sinkhole, washed out slope, clogged/damaged drainage system	Repair sinkhole, repair washed out slopes, regrade, compact and reconstruct benches, pave the top of the bench, reconnect drainage systems, clean and repair drainage systems.	\$25,000	\$3,215,000	\$ 3,340,000		\$ -	\$ 3,340,000
1/17/2017	7	VEN	23	1.5	3.3	Damaged AC pavement from rain	Cold plane and overlay highway, digouts	\$7,500	\$150,000	\$ 157,500		\$ -	\$ 157,500
2/28/2017	7	VEN	33	15.0	52.0	Slide, washout, mud and debris flow	Remove unstable slope, stablize slope with wire mesh, repair roadway, clean drainage and channel	\$25,000	\$2,700,000	\$ 2,725,000	Place a possible soldier pile wall or regrade the slope with multiple benches to stabilize the slope and place hydro-seeding to the bare slope.	\$ 16,000,000	\$ 18,725,000
2/3/2017	7	VEN	34	10.4	12.1	Damaged drainage system, flooding	Remove and replace damaged drainage system and clean the channel	\$15,000	\$535,000	\$ 590,000		\$ -	\$ 590,000
1/17/2017	7	VEN	118			Damaged AC pavement from rain	Cold plane and overlay highway, digouts	\$15,000		\$ 15,000		\$ -	\$ 15,000
2/23/2017	7	VEN	150	1.6	8.2	Slide, unstable slope, slipouts	Remove debris, stabilize slope	\$15,000	\$655,000	\$ 695,000		\$ -	\$ 695,000
1/27/2017	7	VEN	232	0.0	4.1	Damaged AC pavement from rain	Cold plane and overlay highway, digouts	\$15,000	tbd	\$ 15,000		\$ -	\$ 15,000
2/11/2017	7	VEN	232	15.9	17.9	accelerated pavement failure	Replace AC Surfacing	\$20,000	tbd	\$ 20,000		\$ -	\$ 20,000
1/22/2017	8	Riv	74	0	10	Debris	Remove Debris and Traffic Control	\$10,000		\$ 10,000		\$ -	\$ 10,000
1/22/2017	8	Riv	91	2.1	2.2	Embankment Errosion	Slope Pave	\$10,000	\$850,000	\$ 860,000		\$ -	\$ 860,000
1/22/2017	8	Riv/SE	15, 210	Var	Var	Slope Errosion and Slope Paving Failure	Replace Paving and Backfill Slopes		\$500,000	\$ 500,000		\$ -	\$ 500,000
2/18/2017	8	SBD	15	TBD		Washout	Repair embankment and roadway		\$3,000,000	\$ 3,000,000		\$ -	\$ 3,000,000
1/22/2017	8	SBd	18	18.5	18.5	Rock Fall Netting Failure	Replace Netting		\$500,000	\$ 500,000		\$ -	\$ 500,000
3/2/2017	8	Riv	91	2.1	2.2	Embankment Errosion	RSP		\$500,000	\$ 500,000		\$ -	\$ 500,000
3/2/2017	8	SBd	215	7.6	7.6	Culvert collapspe	Replace Culvert		\$500,000	\$ 500,000		\$ -	\$ 500,000
1/22/2017	8	SBd	142	0	4	Debris	Remove Debris and Traffic Control	\$5,000		\$ 5,000		\$ -	\$ 5,000
2/17/2017	8	Riv	243	6.2	19.8	Embankment Errosion	Repair embankment and roadway		\$1,500,000	\$ 1,500,000		\$ -	\$ 1,500,000
1/9/2017	9	INY	395	65.6	76.0	Accelerated Pavement Failure	Wheel Track Digouts		\$1,200,000	\$ 1,210,000		\$ -	\$ 1,210,000
2/11/2017	10	Ama	26	0.2		Rockfall	Removal/Scaling/ Wire Mesh			\$ -		\$ -	\$ -
1/22/2017	10	Cal	26	15.2		Slipout	Slope and Roadway repairs	\$5,000	\$600,000	\$ 1,025,000		\$ -	\$ 1,025,000
2/10/2017	10	Cal	26	37.3	37.9	Slope Failure	Cuvlver replacement & RSP the slope	\$10,000	\$5,000,000	\$ 7,010,000		\$ -	\$ 7,010,000
1/11/2017	10	Tuo	120	46.4	49.3	Slope Failure	Cuvlver replacement & RSP the slope	\$5,000	\$700,000	\$ 1,225,000		\$ -	\$ 1,225,000
1/19/2017	11	SD	5	23	24	Sinkhole & Culvert Damage	Replace Culvert & Repair Sinkhole Damage	\$1,000	\$800,000	\$ 1,106,000		\$ -	\$ 1,106,000
1/21/2017	11	SD	8	10.5	10.8	Erosion and Damage to Concrete Channel	Repair erosion & Repair Concrete Channel	\$0	\$600,000	\$ 845,000		\$ -	\$ 845,000
2/15/2017	11	SD	8	10.3	10.5	Damage to Channel RSP and Culvert	Replace Drainage and RSP	\$0	\$700,000	\$ 980,000		\$ -	\$ 980,000
	11	SD	8	56.1		Rock slide	Clear boulders and Debris	\$5,000		\$ 5,000		\$ -	\$ 5,000
1/24/2017	11	SD	15	40.8		Washout at Gopher Canyon	Clear Debris & Repair Drainage	\$5,000	\$200,000	\$ 290,000		\$ -	\$ 290,000
2/16/2017	11	SD	54	T24		Sinkhole at WB #3 Lane	Replace collapsed pipe and pavement	\$5,000	\$600,000	\$ 845,000		\$ -	\$ 845,000
	11	SD	76	38		Rock slide	Clear boulders and Debris	\$5,000		\$ 5,000		\$ -	\$ 5,000
1/25/2017	11	SD	78	32.4		Pavement Settlement	Construct Soil Nail Wall	\$1,000	\$1,550,000	\$ 1,891,000		\$ -	\$ 1,891,000
	11	SD	78	62	66	Rock slide	Clear boulders and Debris	\$20,000		\$ 20,000		\$ -	\$ 20,000
	11	SD	94	59		Rock slide	Clear Boulders and Debris	\$5,000		\$ 5,000		\$ -	\$ 5,000
2/28/2017	11	SD	163	5.7		Sinkhole	Repair Sinkhole damage	\$2,000	\$1,000,000	\$ 1,352,000		\$ -	\$ 1,352,000
2/27/2017	11	SD	805	7		Washout	Repair Washout and Culvert	\$2,000	\$600,000	\$ 752,000		\$ -	\$ 752,000
1/26/2017	11	SD	Var	Var		Loose boulders blocking roadway and risk of falling	Rock Scaling and Remove Boulders	\$5,000	\$800,000	\$ 1,125,000		\$ -	\$ 1,125,000
	11	SD	Var	Var		Trees blocking roadways due to high winds	Remove Downed Trees	\$25,000		\$ 25,000		\$ -	\$ 25,000

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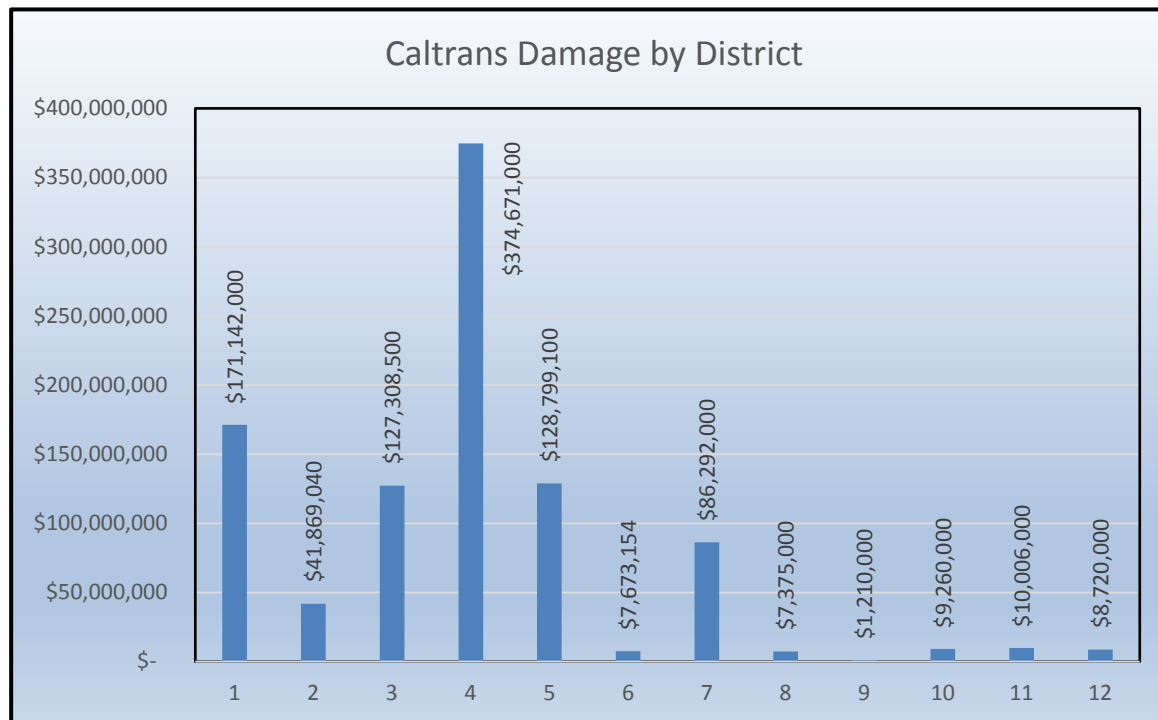
Incident Date	Dist	Co	Rte	PMb	PMA	Brief Description of Damage	Emergency Opening Scope of Work	EO Maint Crews	EO Contract	Total EO	Permanent Restoration Scope of Work	PR Total	Total EO+PR
1/24/2017	11	SD	Var	Var		Storm Damage	Repair sub-surface damage and pavement failure		\$250,000	\$ 330,000		\$ -	\$ 330,000
1/26/2017	11	SD	Var	Var		Loose Boulders and Rocks	Rock Scaling and Remove Boulders		\$290,000	\$ 430,000		\$ -	\$ 430,000
1/22/2017	12	ORA	5	19.7	20	Slope Embankment Washout	Repair failed slope embankment		\$350,000	\$ 410,000		\$ -	\$ 410,000
1/25/2017	12	ORA	74	5.5	5.5	Slide debris cleanup	Clear mudslide and rocks	\$50,000	\$1,600,000	\$ 1,750,000	re-align Roadway	\$ 5,000,000	\$ 6,750,000
1/23/2017	12	ORA	91	8.1	8.8	Pipe damage, dirt and debris cleanup,	Clear mudslide, repair pipe		\$250,000	\$ 310,000	Re-build slope, install drainage risers	\$ 1,200,000	\$ 1,510,000
1/23/2017	12	ORA	142			Slide debris cleanup	Clear mudslide and rocks	\$50,000		\$ 50,000		\$ -	\$ 50,000
													\$ 974,325,794



2017 Winter Storm FHWA ER CA17-2; FEMA DR-4301,4305,4308  
 State Highway and Local Agency Damage Summary as of 4/28/17

State Highway Damage Summary	
Total Damage Estimate	\$974,326,000
Damage sites	425
Emergency DO projects	282
Cost of Emergency projects	\$740,184,000
Emergency DO projects completed	38
Permanent Restoration projects	61
Cost of Permanent Restoration projects	\$231,140,000
Cost of Emergency Opening by Maintenance Forces	\$3,002,000
Small Business Utilization contracts (prime)	60

Local Agency Damage (reported 4/13/17 by Caltrans Local Assistance)	\$400,000,000
Total State Highway + Local Agency Damage	\$1,374,326,000



District/County	Total EO+PR
<b>1</b>	<b>\$ 171,142,000</b>
DN	\$ 7,887,000
HUM	\$ 61,105,000
LAK	\$ 12,180,000
MEN	\$ 77,150,000
MENMEN	\$ 7,010,000
MEN/LAK	\$ 5,810,000
<b>2</b>	<b>\$ 41,869,040</b>
BUT	\$ 6,000
LAS	\$ 1,812,000
MOD	\$ 2,920,000
PLU	\$ 16,610,000
SHA	\$ 1,862,000
SIS	\$ 9,021,040
TEH	\$ 1,868,000
TRI	\$ 7,770,000
<b>3</b>	<b>\$ 127,308,500</b>
BUT	\$ 19,460,000
COL	\$ 3,545,000
ED	\$ 36,765,000
Nev	\$ 12,640,000
PLA	\$ 2,540,000
Pla/Nev	\$ 6,330,000
Sac	\$ 5,148,000
SIE	\$ 17,702,500
SUT	\$ 2,446,000
Yol	\$ 16,167,000
Yub	\$ 4,565,000
<b>4</b>	<b>\$ 374,671,000</b>
Ala	\$ 38,735,000
CC	\$ 9,335,000
Mrn	\$ 104,071,000
Nap	\$ 20,240,000
SCI	\$ 79,125,000
SF	\$ 675,000
SM	\$ 68,045,000
Sol	\$ 14,180,000
Son	\$ 40,265,000
<b>5</b>	<b>\$ 128,799,100</b>
Mon	\$ 88,201,200
SB	\$ 4,815,000
SCr	\$ 32,743,900
SLO	\$ 3,039,000
<b>6</b>	<b>\$ 7,673,154</b>
Fre	\$ 2,720,000
Ker	\$ 1,660,000
Kin	\$ 1,367,189
Mpa	\$ 1,455,000
Tul	\$ 470,965
<b>7</b>	<b>\$ 86,292,000</b>
LA	\$ 60,374,500
LA-VEN	\$ 2,360,000
VEN	\$ 23,557,500
<b>8</b>	<b>\$ 7,375,000</b>
Riv	\$ 2,870,000
Riv/SBd	\$ 500,000
SBD	\$ 4,005,000
<b>9</b>	<b>\$ 1,210,000</b>
INY	\$ 1,210,000
<b>10</b>	<b>\$ 9,260,000</b>
Ama	\$ -
Cal	\$ 8,035,000
Tuo	\$ 1,225,000
<b>11</b>	<b>\$ 10,006,000</b>
SD	\$ 10,006,000
<b>12</b>	<b>\$ 8,720,000</b>
ORA	\$ 8,720,000
<b>Grand Total</b>	<b>\$ 974,325,794</b>

District	Total EO+PR
1	\$ 171,142,000
2	\$ 41,869,040
3	\$ 127,308,500
4	\$ 374,671,000
5	\$ 128,799,100
6	\$ 7,673,154
7	\$ 86,292,000
8	\$ 7,375,000
9	\$ 1,210,000
10	\$ 9,260,000
11	\$ 10,006,000
12	\$ 8,720,000
Total	\$ 974,325,794

