Memorandum

TAB 69

To: CHAIR AND COMMISSIONERS CALIFORNIA TRANSPORTATION COMMISSION CTC Meeting: June 29-30, 2016

Reference No.: 4.8 – REPLACEMENT ITEM

Action Item

From: NORMA ORTEGA Prepared by: Bruce De Terra, Chief

Chief Financial Officer Division of

Transportation Programming

Subject: AMENDMENTS TO PROJECTS IN THE 2016 SHOPP APPROVED UNDER

RESOLUTION G-16-14

RESOLUTION G-16-22, AMENDING RESOLUTION G-16-14

RECOMMENDATION:

The California Department of Transportation (Department) recommends the California Transportation Commission (Commission) approve Resolution G-16-22 to allow the Department to correct, revised and amend projects currently programmed in 2016 State Highway Operation and Protection Program (SHOPP), which was approved at the May 2016 Commission meeting. Comission approval is required, in accordance with Senate Bill 486, which stipulates that the Commission approve any changes or new projects amended into the SHOPP.

ISSUE:

The Department recommends that the 144 programmed support components be amended in the 2016 SHOPP, as summarized in the table below and as shown in Attachment 1. The amendments noted below would be funded from 2016 SHOPP programming capacity.

		FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	Total
Component	No.	(\$1,000s)	(\$1,000s)	(\$1,000s)	(\$1,000s)	(\$1,000s)
PA&ED	90	16,539	54,012	3,842	1,632	76,025
PS&E	51	26,277	17,762	971	0	45,010
RW Support	3	520	1,255	0	0	1,775
Total	144	43,336	73,029	4,813	1,632	122,810

CHAIR AND COMMISSIONERS CALIFORNIA TRANSPORTATION COMMISSION

Reference No.: 4.8 June 29-30, 2016 Page 2 of 2 *REPLACEMENT ITEM*

BACKGROUND:

In each even numbered year, the Department prepares a four-year SHOPP which defines major capital improvements necessary to preserve and protect the State Highway System. Periodically, the Department amends the SHOPP to address newly identified needs prior to the next programming cycle. Between programming cycles, the Department updates scope, schedule and cost to effectively deliver projects.

Senate Bill 486, approved by Governor September 30, 2014, requires Commission approval of projects amended into the SHOPP.

Attachment

Reference No.: 4.8 June 29-30, 2016 Attachment 1 Page 1 of 18 REPLACEMENT ITEM

								Progra	ammed (\$1	,000s)
Dist	Со	Route	PM/PM	EA	Project ID	PPNO	FY	Component	Existing	Proposed
01	HUM	101	79.8/84.7	0E000	0113000091	2376	2018/19	PA&ED	1,100	1,480
Asses		informa	•		· · · · · · · · · · · · · · · · · · ·	-		equesting more &ED phase, res	_	
01	LAK	29	28.5/31.6	29811	0114000043	3099	2017/18	PA&ED	500	4,000
throu to find deter impace The p enviro	igh a 20 alize the mined cts to the propose onmen	007 draft e enviro that a pa hree enc ed addition tal studion	circulation. It inmental docu artial recircula dangered plant onal support w	was ass ment. H tion of th species vill cover each, coo	umed that the owever, short ne DED was ne and (2) the eli the cost for th ordination, an	e \$500,00 ly after to eded bed mination his enviro	00 progran he project cause of no n of vernal	nt (DED) milest nmed for PA&E was programn ew information pool areas. effort, including n. In addition,	ED would be ned in 2014 n on (1) adv g updating	e sufficient , it was erse
01	MEN	1	43.3/44.2		0100000154	4490	2017/18	PA&ED	3,650	5,500
Asses chem negot soil sa invest habita	isment icals ar tiations amples tigatior at area	for shall nd bridge with the on priva n, the alt s. Also, a	ow soil and groep on the control of	oundwat related a astal Cor egarding ysis for s time wi	er impacts resectivities. In activities and mmission and the jurisdiction of drill be needed for	sulting fro ddition, t Mendoci in bound Il sites ar or respor	om leachir the Depart ino County ary detern nd on the a nding to or	n Preliminary Englof wood time ment has enco obtaining per nination affect analysis of enving going commun	ber treatme untered ler mits to ento on the geo ronmentall	ent ngthy er to gathe technical y sensitive
01	HUM	254	alternatives, a 6.8/42.1	40950	0100000158	2270	2017/18	PA&ED	266	51:
analy	ze and		mpacts to Gia	–				ntal studies an d. These new		
not o with i upgra	riginall regulat ade and	y addres ory ager I seismic	sed in initial A ncies on a full r retrofit. In ad	dvance F ange of a dition, c	was required Planning Study alternatives fo onsultation wi	. As a res r replace th regula	sult, extens ment of that atory agen	PA&ED s to analyze se sive ongoing co ne bridge versu cies on tempor e alternatives o	onsultation is bridge wi rary and pe	is needed dening, rai rmanent

will be needed.

Reference No.: 4.8 June 29-30, 2016 Attachment 1 Page 2 of 18 REPLACEMENT ITEM

						i			
	1	_	1	1	1			ammed (\$1	
Dist Co	Route	PM/PM	EA	Project ID	PPNO	FY	Component	Existing	Proposed
01 DN	101	36.1/	43640	0100000193	0100V	2016/17	PA&ED	7,000	10,942
longer thar in this sens	n previous itive envi agencies	sly anticipated, ronmental set	, due to t ting with g additio	the complexition the Coastal	es involv Zone an d questio	ed in stagi d over the	nd regulatory a ng and constru Wild and Scen Il require addi	cting the noice ic Smith Riv	ew bridge er.
						,	tures design ha		
required by are being d	the reguleveloped	latory agencie	s than o	riginally expec	ted whe	n project w	e environment vas programme and evaluate v	ed. Task Ord	der memos
01 MEN	162	16.1	0B550	0112000137	4555	2016/17	PS&E	1,485	1,865
earlier duri support res	ng projec sources b	t developmen eing required a	t. These	site character orm damage p	istics ide roject ev	ntified late	olex than originer contributed		
01 MEN	_	1.5/1.8	0B560			2016/17	PA&ED	59	319
environme was also m performed	ntal consi ore exten . These ac	deration and r sive than initianditional studies	esources ally antic es, in cor	s than originall ipated and as a mbination with	ly anticip a result, the rem	pated. The required n note location	quired addition area and magr nore technical on, resulted in ents were mad	nitude of the studies to b higher supp	e landslide e oort costs.
01 MEN	253	1.5/1.8	0B560	0112000138	4556	2016/17	PS&E	177	1,320
design, stru the landslic	ictural de des were a	sign and envir	onmenta ensive that	al resources th	an origin	ally anticip	quired addition pated. The area sult, required	a and magn	itude of
		orm damage p	1	044000000	400:	a a a = 1	5.0		
01 DN	199	33.4	0C470	0112000287	1094	2017/18	PA&ED	158	864
work neede (or account	ed to deal ted for in	l with water su support resou	ipply issurces) at t	ues and the ne	eed for a ogrammi	new powe	ironmental aner source; issue we known that well.	s that were	not known

Reference No.: 4.8 June 29-30, 2016 Attachment 1 Page 3 of 18 REPLACEMENT ITEM

								Progra	ammed (\$1	,000s)
Dist	Со	Route	PM/PM	EA	Project ID	PPNO	FY	Component	Existing	Proposed
02	PLU	70	11.5/11.9	0H450	0215000017	3578	2017/18	PA&ED	360	690
histor this s roady resou eleva perm	rical an afety p way aw rces fo ted en its requ	d would roject or ray from or geotec vironme uired for	require signifin schedule, the it. In order to it i	cantly me project avoid thi and eva to based on work	ore time for Steam decided sparticular walluations. Addion coordination.	tate Histo to avoid all, the po tional su n with th	oric Preser I this histor roject will apport reso ne Departn	oved as it could evation Officer rical resource b require a new ources are need nent of Fish an	coordinatio by realigning wall and su ded to provi d Wildlife re	n. To keep g the oport de an egarding
02	LAS	36	6.1/14.3	4E460	I .		2017/18		1,100	1,650
Arche	eologica	al artifac	ts were discov	ered wit	hin the projec	t limits r	equiring ac	dditional enviro	onmental st	udies.
02	MOD	299	/	4F210	0212000072	3484	2017/18	PA&ED	610	1,820
geote	chnica	l drilling	•	ormed b	y state staff. I	However	-	In addition, i lack of availabl		
02	LAS	36	7.2/7.4	4F560	0213000006	3512	2017/18	PA&ED	600	1,500
prelin	ninary	design, s	surveys and en	vironme	ntal efforts in	order to	address ba	studies are reackwater cond	itions.	
02	TEH	5	R25.4/	4F590	0213000010		2019/20		1,105	1,592
			-		_			ocument than Inmental service		ianneu.
02	SIS	263	57.1/	2E480	0200000586	3424	2017/18	PA&ED	1,800	2,700
need	ed for t	the envir	ronmental doc	ument.	In addition the	design o	change fro	A&ED phase to m a box girder cost of the pro	structure to	
02	SIS	96	23.2/56.0	4C150	0213000132	3314	2017/18	PA&ED	500	1,200
withi	n the T	ribal Lan	needed to neg ds of the Karu	k Tribe, o	cultural studie:	s will be	necessary	e agencies. As at each locatio ime of progran	n. The cult	t limits are ural

additional costs for the PA&ED phase.

Reference No.: 4.8 June 29-30, 2016 Attachment 1 Page 4 of 18 REPLACEMENT ITEM

								Progra	ammed (\$1	,000s)
Dist	Co	Route	PM/PM	EA	Project ID	PPNO	FY	Component	Existing	Proposed
02	TRI	VAR	VAR	4G250	0213000094	3536	2017/18	PA&ED	540	800
Six cu	llverts	will be re	eplaced utilizin	g trench	less technolog	y. Newl	y written g	guidelines requ	ire geotech	nical
borin	gs at th	nese loca	ations to chara	cterize tl	ne soil propert	ies adeq	uately for	both proper se	election of c	ulvert
mate	rial and	d to prov	ride adequate i	informat	ion in the cont	ract rega	arding soil	properties. Th	nese guidelii	nes were
not ir	n place	when th	e project was	program	med, therefor	e, geote	chnical dri	lling was not re	esourced in	the initial
work	plan.									
02	SHA	299	7.6/18.3	3E740	0200020160	3456	2019/20	PA&ED	3,480	4,200
As the	e numl	per of po	tential archeo	logical ar	nd biological ir	npacts h	ave signifi	cantly increase	ed, addition	al biological
and a	rcheol	ogical co	nsultants are i	needed t	o perform env	rironmen	ital studies	5.		
02	PLU	70	14.9	1C750	0200000080	3208	2016/17	PS&E	1,460	1,820
Due t	o unfo	reseen P	G&E and Fede	ral Energ	gy Regulatory (Commiss	ion requir	ements consist	ting of: rede	sign of
temp	orary c	onstruct	tion access, red	design of	permanent ro	ck slope	protectio	n, and changes	in construc	tion
stagir	ng, all t	o reduce	e the impact to	power g	generation ope	erations,	additional	l design efforts	are needed	l.
02	TRI	36	26.7/27.1	4F860	0213000043	3526	2017/18	PA&ED	970	1,420
Found	dation	drilling a	nd geotechnic	al suppo	rt are being pe	erformed	d during PA	A&ED instead o	of PS&E in a	n effort to
	e risks									
03	YOL	80	2.4/R11.3	1F230	0300001109	6701	2018/19	PA&ED	100	734
This r	roiect	began ir	· · · · · · · · · · · · · · · · · · ·					the assumption	n that only a	
	-	_						uired. Howeve	-	
		-	-				-	s absorbing ra	-	
								ial lane be prov		
								ocations per th		
	-		n an increase i	-						
,										
03	SAC	160	20.9/	3F090	0312000056	5832	2017/18	PA&ED	405	4,381
		<u> </u>	•					rmation about		
								made with the		
								e scope could b		
					_	-		chnical drilling		_
								l in Sacrament		-
_			outed to the in	-	-			• • • • • • • • • • • • • • • • •		o a quii.
				0.0000						
03	SAC	99	4.9/	3F540	0313000136	6916	2017/18	PA&ED	298	872
An in	crease	to PA&E	D is needed to	develop	bridge replac	ement a	lternative	at Lagoon Cree	ek Bridges.	
03	NEV	80	19.0/19.4	3F920	0313000239	4296	2018/19	PA&ED	0	801
		L	-					osts such that		
-	-		ajor project.		5 0					
			• •							

Reference No.: 4.8 June 29-30, 2016 Attachment 1 Page 5 of 18 REPLACEMENT ITEM

								Progr	ammed (\$1	,000s)
Dist	Co	Route	PM/PM	EA	Project ID	PPNO	FY	Component	Existing	Proposed
03	NEV	80	19.0/19.4	3F920	0313000239	4296	2018/19	PS&E	100	416
This p	oroject	started	as a minor pro	ject, but	design change	es have ir	ncreased c	osts such that	it needs to l	be
progr	amme	d as a m	ajor project.							
04	ALA	80	/	01411	0414000436	0064Q	2016/17	PS&E	1,500	5,000
				-				ith a water tra	insmission l	ine, a
lengt	hy Fire	Marshal	ll review proce	ess, and n	iew software r	modellin	g techniqu	es.		
04	ALA	84	13.0/13.6	16030	0400000429	0084B	2017/18	PA&ED	4,000	6,500
Due t	o exte	nsive cor	mments and co	oncerns r	aised by the p	ublic, an	d upon rev	view of project	history in t	the
corrid	dor and	l extensi	ve comments	on the dr	aft EIR/CE, it v	was reco	mmended	in May 2015 t	hat the doc	ument be
eleva	ted fro	m the pi	revious EIR/CE	to an EIF	R/EA and recir	culated f	or public r	eview.		
04	ALA	84	13.0/13.6	16030	0400000429	0084B	2017/18	PS&E	5,000	6,000
An in	crease	is neede	d due to addit	ional des	sign effort to n	nitigate e	environme	ntal impacts (s	such as the p	provision of
bat h	abitat i	in the br	idge soffit), an	d to impl	ement staging	g to minii	mize const	ruction impact	ts. In additi	on, labor
rates	have i	ncreased	l as a result of	a delay i	n the PA&ED s	chedule.				
04	SON	1	15.1/15.8	0A020	0400000129	0748E	2017/18	PA&ED	6,500	8,000
Addit	ional s	upport v	vas not origina	lly accou	nted for: 1. P	iezomete	ers to mea	sure the groun	id water ele	vation to
						-		es in the area;		
	-				-			onal Public Info		_
-		-	-					dination with (Coastal Com	ımission,
Coast	tal Con	servancy	, Sonoma Cou	nty to ad	dress their co	mments	on the EIR	/EA		
0.4	601		40.4/40.0	00000	0.4000000.40	0006	2040/40	04050	1 4 006	2 222
04	SOL	84	12.1/12.2	l .	0400000343	l .	2018/19		1,836	3,000
							_	chnical assess nal analysis an		
		•	s, a sea level i s, and Advance		-		ey, additio	ilai allaiysis all	u mounicat	1011 01
04	SF	1	6.0/		0414000340		2017/18	PA&ED	650	1,020
		_	,					ommission to		
			_					ment with the		
06				,			J_ Q, , G J J J			2.5 (.
04	SM	82	13.7/	1G020	0400002011	0686	2016/17	PA&ED	846	2,900
								mporarily prof		
	-	_	<u>-</u>		•	-	-	Caltrans proc		
		-		-				ublic comment		_
			•	•	•	_	-	e previous PA&	_	
suppl	ement	al report	ts, and modify	and reci	rculate DED if	a new alt	ternative is	s proposed.		

Reference No.: 4.8 June 29-30, 2016 Attachment 1 Page 6 of 18 REPLACEMENT ITEM

								Progra	ammed (\$1	,000s)
Dist	Со	Route	PM/PM	EA	Project ID	PPNO	FY	Component	Existing	Proposed
04	SON	116	26.6/26.9	1G840	0400020616	0730E	2017/18	PS&E	660	750
Addit	ional s	upport c	ost is needed	for comn	nunity outreac	h and pu	ıblic inforn	national meeti	ng requeste	d by the
City's	comm	erce dep	partment to in	form dov	vntown busine	esses and	l local con	sumers about t	the project a	and
impad	cts dur	ing cons	truction.							
04	SON	116	26.6/26.9	1G840	0400020616	0730E	2017/18	RW Sup	140	590
The p	rogran	nmed an	nount is not su	fficient t	o acquire the	needed 2	21 parcels	from business	owners, and	d to
coord	linate v	with four	different utili	ty compa	anies					
04	SON	1	22.5/	1J750	0414000348	1481A	2017/18	PA&ED	280	551
Addit	ional s	upport c	ost is needed	for coord	lination with tl	he Depai	tment of I	Parks and Recr	eation, Coas	stal
Comn	nission	, and So	noma County	that was	not originally	anticipat	ed. In add	lition, an unan	ticipated ta	sk order for
a biol	ogist is	now re	quired.							
04	MRN	1	2.2/	1SS58	0412000635	0312T	2016/17	PS&E	400	1,300
The p	roject	was rede	esigned to rep	ace the	concrete barrie	er with a	metal bea	ım guardrail to	avoid confl	ict with a
-	-		-					undation desig		
04	SON	1	24.3/24.4	21540	0414000527	1485P	2017/18	PA&ED	780	1,200
			·					Parks and Recr		
						-		lition, an unan		
		now re	-		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
04	NAP	121	20.5/20.7	2J570	0414000530	14850	2017/18	PA&ED	372	600
Addit	ional d	esign ef	•					mental impact	s and costs	due to
		-	ons, staging, a		-			•		
04	CC	4	48.1/48.3	2J590	0414000535	1484C	2017/18	PA&ED	334	894
			quately budge				· ·		33 1	
04	SF	101	2.0/		0412000141			PA&ED	2,400	4,000
<u> </u>			- /				· ·	nce Planning S	· ·	•
								& construction	-	
	•		design alterna							0
04	SCL	9	4.9/		0412000409				1,200	2,800
		_	_	-		_		Register of His		
		_					-	t Initiation Do		
								, local business	ses, adjacen	L
prope	erties, i	learby c	ommunities, C	ity oi Sai	atoga and Sar	atoga sp	ring Pichic	. Kesort.		
0.1	65		DO 0 /DC C	46436	0400004465	05055	2047/42	DACED	20:	222
04	SF	1	R0.0/R6.9		0400001180		· ·	PA&ED	294	800
	-	_	-		-		-	Francisco, the p	project scop	e nas
chang	geu nui	merous 1	times, resulting	g in an in	crease in supp	ort costs	·.			

Reference No.: 4.8 June 29-30, 2016 Attachment 1 Page 7 of 18 REPLACEMENT ITEM

								Progra	ammed (\$1	,000s)
Dist	Co	Route	PM/PM	EA	Project ID	PPNO	FY	Component	Existing	Proposed
04	ALA	80	4.6/5.7	4G230	0412000357	1003J	2016/17	PA&ED	122	343
The p	roject	was orig	inally program	nmed wit	h support esti	mates or	the low e	nd considering	the compl	exity and
scope	of the	e project	at time of pro	grammin	g. The increas	se is due	to additio	nal field review	vs, environr	nental
studi	es, and	address	ing communit	y concer	ns now needed	d for the	project.			
04	SON	116	31.0/31.3	4G380	0412000463	0817Q	2017/18	PA&ED	720	1,197
The i	ncrease	e is due t	o a design cha	nge fron	n a culvert rep	lacemen	t to constr	ucting a single	span bridge	e over a
creek	. Ther	efore, ac	dditional envir	onmenta	l studies are n	eeded fo	r the new	bridge.		
04	SOL	12	19.2/	4G560	0412000504	8060A	2017/18	PA&ED	594	1,174
The a	dditior	nal suppo	ort cost is due	to enviro	nmental field	surveys	now requi	red and staff le	earning new	
round	dabout	design	oftware.							
04	SM	1	4.2/4.4	4G650	0412000624	0045Q	2016/17	PA&ED	700	1,200
The a	dditior	nal suppo	ort cost is due	to an eff	ort to conside	adding	high priori	ty fish passage	locations in	nto the
scope	and e	valuatin	g alternatives.							
04	SCL	101	17.8/41.1	4G950	0413000235	0086X	2016/17	PS&E	310	1,721
Incre	ase in f	PS&E sup	port is due to	differing	site condition	s, additi	onal surve	ys & potholing		
04	SOL	80	1.1/R25.1	4G960	0413000147	0481C	2016/17	PS&E	450	866
		s deliver	•				•	required addit	ional resour	rces from
•	•		•	•	•	_		e drainage des		
					-			_		airig piaris
וטו נו	ie gore	areas. F	aiso, the Proje	Ct IIIItiati	on Document	(PID) ala	i not identi	ify the need fo	i detours.	
04	CC	4	0.0/T21.F	46000	0412000122	04010	2016/17	ח פרח	220	050
04 Thor	CC	toom do	0.0/T31.5		0413000122		2016/17	PA&ED	330	950
-	-			-				ccount for add ve field site in		
	-	-	-			-		n with mainten	_	
			•	-	_			Additional wor		
			-			-		ent (BA) to be		
				•	-	-		close proximity		
		species.						. ,		
04	SON	12	25.8/33.3	4H050	0413000080	026014	2017/18	PA&ED	1,000	1,519
								a creek. There	-	
			-		-	-	_	survey informa		
			stream along o			, 800				
•	NAP	29			0413000258	02705	2016/17	PA&ED	510	1 500
04 There			13.5/25.5				2016/17	ject limits whice		1,500
			vere not accou				•	•	נו וופפט נט ג	e studied
					-				F00	4 400
04	SM	1	37.9/R48.0		0413000140		2016/17	PA&ED	500	1,400
טue t	o aisco	very of	protected spec	cies, addi	tional support	is neede	eu for envi	ronmental stud	uies.	

Reference No.: 4.8 June 29-30, 2016 Attachment 1 Page 8 of 18 REPLACEMENT ITEM

								Progra	ammed (\$1	,000s)
Dist	Со	Route	PM/PM	EA	Project ID	PPNO	FY	Component	Existing	Proposed
04	ALA	580	R41.4/R41.5	4H260	0413000123	0133H	2016/17	PS&E	462	1,060
Addit	ional s	upport is	needed to ad	dress the	e City of Oakla	nd's revi	ew comme	ents of the PS8	E package,	which is
65% c	omple	te, and t	o perform des	ign mod	ifications, resc	lve utilit	y conflicts	, and revise the	e traffic con	trol plans
based	on the	ose com	ments.							
04	ALA	880	11.9/27.5	4H580	0413000162	0483W	2016/17	PS&E	2,700	5,200
This P	roject	requires	additional fie	ld inspec	tions in respor	nse to les	ssons learr	ned on other gu	uardrail and	curb ramp
				-		during o	construction	on. Also, there	is an increa	se due to
scope	refine	ment ar	nd coordination	n with ot	her projects.					
04	SCL	152	6.1/R35.2	4H860	0413000292	0487N	2016/17	PA&ED	108	457
	_			_				or the project l		
		a highly	sensitive envir	onment	al corridor. The	e cost inc	crease was	due to additio	nal environ	mental
studie	es.									
05	MON	101	62.1/63.2	0F970	0513000017	9700	2017/18	PS&E	1,416	2,006
The c	ost inc	rease wa	as due to comp	licated (Jnion Pacific T	ransport	Company	(UPTC) negotia	ations.	
05	SLO	1	32.6/32.6	0L721	0515000097	0072	2017/18	PA&ED	972	1,424
Techr	ical stu	udies, in	cluding archae	ological	site testing, re	quired m	nore effort	than originally	scoped.	
05	SLO	1	34.5/	0L722	0515000098	0072A	2017/18	PA&ED	972	1,399
Techr	ical st	udies, in	cluding archae	ological	site testing, re	quired n	nore effort	than originally	scoped.	
05	SLO	58	3.1/	0L723	0515000099	0072B	2017/18	PA&ED	973	1,419
Techr	ical st	udies wi	ll require more	effort th	nan expected.	Also, th	ere was di	fficulty getting	rights of en	try onto
ranch	prope	rty with	in the project l	ocation.						
05	MON	68	L4.0/R18.1	0N190	0513000142	4019	2016/17	PS&E	480	787
The c	ost inc	rease is	· ·				•	w requested du	ue to the typ	oe of work
			ions of the pro					•		
05	SCR	1	10.2/17.5	1C850	0512000240	2432	2017/18	PA&ED	147	606
Forty-	seven	curb rar	nps were loose	ely scope	d in the Projec	ct Initiati	on Docum	ent. However,	additional	field
surve	ys and	detailed	l design hours	are now	required to de	etermine	the enviro	onmental impa	cts and Righ	nt of Way
requi	rement	ts.								
06	FRE	168	R0.0/R11.7	0E350	0612000136	1772	2016/17	PS&E	411	830
Addit	ional w	ork was	added to the	scope, th	nat includes re	locating	13 control	ler cabinets th	at are prese	ntly
locate	ed in th	ne gore a	reas to the top	o of the r	amps, as well	as fiber	optic cabli	ng and commu	nication co	nduits.
06	TUL	201	/	0H200	0612000157	6521	2016/17	PS&E	2,905	3,900
An up	dated	estimate	e was needed	to provid	le resources fo	r additio	nal specia	Ity units that w	ere not init	ially
progr	amme	d. Also,	the project de	sign has	been refined t	o addres	s concerns	from conteste	ed property	owners.

Reference No.: 4.8 June 29-30, 2016 Attachment 1 Page 9 of 18 REPLACEMENT ITEM

								Progr	ammed (\$1	,000s)
Dist	Со	Route	PM/PM	EA	Project ID	PPNO	FY	Component	Existing	Proposed
06	KER	155	1.5/	0P290	0612000106	6636	2016/17	PS&E	722	1,100
Due t	o the c	omplexi	ty of the proje	ct, PS&E	is projected to	overrui	n the prog	ramed budget.	The projec	t proposes
a rou	ndabo	ut, which	n is a relatively	new con	cept in the dis	strict. Th	erefore, a	dditional resou	ırces were r	needed to
get th	ne proj	ect staff	educated on t	he round	labout design	features	. Furtherm	ore the design	of the rour	ndabout
went	throug	gh many	iterations befo	ore it was	acceptable to	reviewe	ers.			
06	KER	58	R55.4/R59.7	0S470	0615000048	6730	2016/17	PA&ED	616	966
Due t	o an ei	nvironm	ental change o	f scope,	from having to	obtain	a Letter of	Concurrence f	rom USFWS	s to
need	ing for	mal cons	ultation and a	Draft En	vironmental D	ocumen	t and Draf	t Project Repor	rt for the pr	oject, the
PA&E	D supp	ort cost	increased.							
06	MAD	41	36.3/40.8	0R160	0614000043	6716	2017/18	PA&ED	397	600
			-					onent as oppos	ed to PS&F	
		-	lule, the PA&E	-				one do oppos		, to hoop
06	TUL	198			0614000114		2016/17	PS&E	1,040	1,525
				l .				ne scope that in		
								itional surveys		ŭ
		the new		ing and c	.1033 310pc coi	rection.	Also, auu	itional salveys	are now red	quircu to
		r	· · · · · · · · · · · · · · · · · · ·	27540	070000520	4465	2047/40	54055	4.075	2 422
07	LA	1	1.0/		0700000520		2017/18		1,075	3,438
								the appropriat		
	_	-				-	-	n will need to e	-	-
			_	•	-			now include the		
			•		-			nd other enviro		
			-		•			luate the alteri		neip
							_	e service loadii	-	
uispia	icemei	it allu lit	queraction will	also be i	nvestigated to	assist ii	selecting	an alternative.		
07	LA	1	7.7/9.2	28670	0700020923	4387	2016/17	PS&E	5,000	6,101
The s	upport	increase	e is due to pro	posed lo	cations being a	added an	id deleted	based on field	conditions	at each
locati	on.									
07	LA	19	4.0/8.4	28990	0712000015	4485	2016/17	PA&ED	300	836
The s	upport	increase	e is due to a sc	ope char	nge and inclusi	on of uti	lity reloca	tions for upgra	ding curb ra	amps and
			ct Initiation Do	-	_		-		•	
07	LA	101	30.9/38.1	29110	0712000068	4493	2016/17	PA&ED	200	616
The i			· ·					l work which w		
					-			nt. This project		
				•	•			a Counties, wh		
-						_		ets, traffic sign		
_		•	•				-	sign resources	•	
plann			,	1	-	,		5	- 0	,

Reference No.: 4.8 June 29-30, 2016 Attachment 1 Page 10 of 18 REPLACEMENT ITEM

								Progra	ammed (\$1,	,000s)
Dist	Со	Route	PM/PM	EA	Project ID	PPNO	FY	Component	Existing	Proposed
07	VEN	33	7.6/	29130	0712000083	4496	2016/17	PA&ED	250	1,64
he s	upport	cost has	increased du	e to the v	very environm	entally s	ensitive na	ture of the pro	ject. The	
lurinį ictivi	g the e ties are	environm e needed	ental phase in	order to necessa	be able to co	nduct th	eir work. Ir	requested 65% n addition, som ical team to co	ne right of w	ay suppo
07	LA	1	56.5/56.9	29140	0712000094	4498	2017/18	PA&ED	738	2,34
			•					environmental		
isk tł	nat the	Coastal	_	_				ate fish passag		
07	LA	5	25.7/	29230	0712000109	4505	2016/17	PA&ED	140	1,10
					of environmen	tal perm	its, a bike	detour, and stu	udying the p	ossibility
it clo	sing th	ie ramp (during constru	ction.						
07	LA	5	16.1/17.0	29640	0713000031	4594	2016/17	PS&E	699	1,54
peci	fic loca	ations we	ere not identifi	ed in the	Project Initiat	tion Doci	ument. Ho	wever, during	the design	phase, the
ffort 07	: by ele	ectrical d	esign staff tha R14.0/19.0		t accounted fo 0713000057					
			112 110/ 2310			4599	I 2016/17 I	RW Sun	30	55
TIC 3	upport	cost inc	rease is due to	coordin			2016/17 f different	RW Sup railroad lines a	30 and the acqu	
iumb equii vay a	er of or re new acquisi	different agreem tions ma	parcels. The pents with the pents with the contraction of the contract	roposal t railroad (ondemn	ation with a nation with a nation with a nation process.	umber of alks to be be prepa The pro	f different etter accon red. There posed pain	RW Sup railroad lines a nmodate Main is also a possil iting work will re to be painte	and the acquitenance stability that the	uisition of ff may e right of
numb equi way a	er of or re new acquisi	different agreem tions ma	parcels. The pents with the pents with the contraction of the contract	roposal t railroad o ondemn king facil	ation with a nation with a nation with a nation process.	umber o alks to be oe prepa The pro eneath t	f different etter accon red. There posed pain	railroad lines anmodate Main is also a possilating work will	and the acquitenance stability that the	ff may e right of
equinos vay a reas 07	per of core new acquisit which LA riginal ance. H	different v agreem tions mav will affe 110 program However,	parcels. The pents with the pents with the control of the control	roposal trailroad ondemn king facil 29750 cost was	ation with a nation with a nation by the companies to be ation process. It is located by the companies of th	umber of alks to be prepaution The propensation to the second sec	f different etter accon red. There posed pain he structur 2016/17 egorical Ex	railroad lines anmodate Main is also a possiluting work will re to be painte	and the acquitenance standity that the also required. 363 avironment:	uisition of ff may e right of set-up 89
equinos vay a reas 07 he o cleara	per of core new acquisit which LA riginal ance. H	different v agreem tions mav will affe 110 program However,	parcels. The pents with the pents with the control of the control	roposal trailroad ondemn king facil 29750 cost was project is EIS/EA is	ation with a nation with a nation process. ities located be assed on having located in a hard-	umber of alks to be prepaudent to the propension of the propension	f different etter accon red. There posed pain he structur 2016/17 egorical Ex	railroad lines anmodate Main is also a possiluting work will re to be painte PA&ED temption for En	and the acquitenance standity that the also required. 363 avironment:	uisition of ff may e right of set-up 89 al ement or
or lear	er of core new acquisit which LA riginal ance. Former	different v agreem tions ma will affe 110 program However, stal Asses	parcels. The pents with the pents with the cy involve the control of the control	roposal trailroad ondemn king facil 29750 cost was project is EIS/EA is	ation with a nation with a nation with a nation process. It is shown at a nation process. It is shown at a nation process and a nation process.	umber of alks to be prepared to the propension of the propension o	f different etter accon red. There posed pain he structur 2016/17 egorical Ex area, an E	railroad lines anmodate Main is also a possiluting work will re to be painte PA&ED semption for Ennyironmental I	and the acquitenance state of the state of t	uisition of ff may e right of set-up 89 al ement or
or land	LA LA COMMENT	different v agreem tions ma will affe 110 program However, stal Asses 1 mitos Tra	parcels. The pents with the pents with the pents with the control of the pents with the pents wi	roposal trailroad condemn king facil 29750 cost was project is EIS/EA is 29910 been ide	ation with a nation with a nation with a nation process. It is a located by a located on having a located in a having a now necessary of 13000302 antified as a potential control of the nation of the	umber of alks to be prepared to the propension of the propension o	f different etter acconred. There posed pain he structure 2016/17 egorical Exarea, an E	railroad lines and modate Main is also a possiluting work will re to be painted. PA&ED remption for Environmental I	and the acquitenance state of the state of t	uisition of ff may the right of set-up 89 al thement or 00 00 00 00 00 00 00 00 00 00 00 00 0
or lears or lears or lears or lears or lears the Logitudy	LA riginal ance. Former LA os Alar to be	different agreem tions ma will affe 110 program However, tal Asses 1 mitos Tra in compl	parcels. The pents with the pents with the cy involve the control of the control	rapposal trailroad condemn king facil 29750 cost was project is EIS/EA is 29910 been ide ation 106	ation with a nation with a nation with a nation process. It is shown as a nation process and a nation process. O713000194 based on having located in a has now necessary and process and	umber of alks to be prepared to the propension of the propension o	f different etter acconred. There posed pain he structure 2016/17 egorical Exarea, an E	railroad lines and modate Main is also a possibiliting work will be to be painted. PA&ED semption for Environmental I PA&ED perty, which retion Act. Reportation Reportation Reportation Reportation Act. Reportation PA&ED	and the acquitenance state of the state of t	uisition of ff may the right of set-up 89 al thement or prough uired on
numb numb equii way a arreas 07 The o Cleara Enviro 07 The Li	LA riginal ance. Honmen LA to be the bu	different v agreem tions ma will affe 110 program However, stal Asses 1 mitos Tra in compl ilt enviro	parcels. The pents with the pents with the pents with the control of the pents with the pents wi	roposal trailroad condemn king facil 29750 cost was project is EIS/EA is 29910 been ide ction 106 chaeolog	ation with a nation with a nation with a nation process. It is shown at a nation process. It is shown at a nation process and a nation process and a nation process and a nation and a nation and a nation at a nation and a nation at a n	umber of alks to be prepared to the propension of the propension o	f different etter acconding the structural egorical Example 2016/17 egorical Example 2016/17 istoric product Preserval etter preliments	railroad lines and modate Main is also a possibiliting work will be to be painted. PA&ED temption for Environmental I PA&ED perty, which retain Act. Reponsionary backgrounds.	and the acquitenance state of the also required d. 363 Invironments mpact State of the are required are required and researce of the also researce of the also requires a the are required researce of the area of the	uisition of ff may be right of set-up 89 al ement or 47 brough uired on h, it was
or o	LA riginal ance. Honmen to be the bull that t	different v agreem tions ma will affe 110 program However, stal Asses 1 mitos Tra in compl ilt enviro	parcels. The pents with the pents with the pents with the pents with the pents of t	29750 cost was project is EIS/EA is ton 106 chaeolog ntially his	ation with a nation with a nation with a nation process. It is shown as located in a nation process and a nation p	umber of alks to be prepared to the propensation of the propensati	f different etter accommed. There posed pain the structure 2016/17 egorical Exarea, an E 2016/17 istoric project Preservanter prelims one of the	railroad lines and modate Main is also a possiluting work will re to be painted. PA&ED remption for Environmental I PA&ED perty, which retion Act. Reponinary backgrous first traffic circum.	and the acquitenance state of the also required d. 363 anvironmental mpact State of the are required are required are required are required for the are required research or the are required for the are required research or the are required research of the are required research of the are required research of the area of the are	uisition of ff may be right of set-up 85 all ement or corough aired on h, it was the first)
oumbequiii equiii vay a areas 07 The o Cleara enviro The Li tudy ooth to ounce	LA riginal ance. Honmen to be the bull that to the sin	different vagreem tions ma will affe 110 program However, stal Asses 1 mitos Tra in compl ilt enviro che traffic state. Th	parcels. The pents with the pents with the pents with the control of the pents with same and and and control of the pents	29750 cost was project is EIS/EA is the cost was project is estion 106 chaeolog ntially his e will like	ation with a nation with a nation with a nation process. It is shown as located in a nation process and a nation p	umber of alks to be prepared to the propension of the propension o	different etter acconding the structural egorical Example 2016/17 egorical Example 2016/17 istoric product Preserval etter prelimitione of the in the Native et electric equation of the structural etter prelimition one of the in the Native et electric equation et electric etter equation et electric etter e	railroad lines and modate Main is also a possibiliting work will be to be painted. PA&ED semption for Environmental I PA&ED perty, which retain Act. Reponinary backgroup first traffic circinal Register of the painted of the painte	and the acquitenance state of the also required d. 363 anvironmental mpact State of the are required are required are required are required for the are required research or the are required for the are required research or the are required research of the are required research of the are required research of the area of the are	uisition of ff may be right of set-up 85 all ement or corough aired on h, it was the first)
oumbequiii equiii vay a reas 07 The o Cleara nine the Li tudy ooth	LA riginal ance. Honmen to be the bull that to the sin	different vagreem tions ma will affe 110 program However, stal Asses 1 mitos Tra in compl ilt enviro che traffic state. Th	parcels. The pents with the pents with the pents with the control of the pents with same and and and control of the pents	29750 cost was project is EIS/EA is the cost was project is estion 106 chaeolog ntially his e will like	ation with a nation with a nation with a nation install catward companies to be ation process. It is located by a seed on having a located in a has now necessary of the Nationary of the traffic storically signifly be eligible for the second	umber of alks to be prepared to the propension of the propension o	different etter acconding the structural egorical Example 2016/17 egorical Example 2016/17 istoric product Preserval etter prelimitione of the in the Native et electric equation of the structural etter prelimition one of the in the Native et electric equation et electric etter equation et electric etter e	railroad lines and modate Main is also a possibiliting work will be to be painted. PA&ED semption for Environmental I PA&ED perty, which retain Act. Reponinary backgroup first traffic circinal Register of the painted of the painte	and the acquitenance state of the also required d. 363 anvironmental mpact State of the are required are required are required are required for the are required research or the are required for the are required research or the are required research of the are required research of the are required research of the area of the are	al ement or h, it was the first)
umbequing ay a reass 07 he olear and the Licudy other councillations of the councillatio	LA riginal ance. Honmen to be the bull that to the sin	different vagreem tions ma will affe 110 program However, stal Asses 1 mitos Tra in compl ilt enviro che traffic state. Th	parcels. The pents with the pents with the pents with the control of the pents with same and and and control of the pents	29750 cost was project is EIS/EA is the cost was project is estion 106 chaeolog ntially his e will like	ation with a nation with a nation with a nation process. It is shown as a located by a located in a nation process and a located in	umber of alks to be prepared to the propension of the propension o	different etter acconding the structural egorical Example 2016/17 egorical Example 2016/17 istoric product Preserval etter prelimitione of the in the Native et electric equation of the structural etter prelimition one of the in the Native et electric equation et electric etter equation et electric etter e	railroad lines and modate Main is also a possibiliting work will be to be painted. PA&ED semption for Environmental I PA&ED perty, which retain Act. Reponinary backgroup first traffic circinal Register of the painted of the painte	and the acquitenance state of the also required d. 363 anvironmental mpact State of the are required are required are required are required for the are required research or the are required for the are required research or the are required research of the are required research of the are required research of the area of the are	uisition of ff may be right of set-up 8 all ement or a comparing the prough aired on h, it was the first)

Work that would typically be done during the PS&E phase was done during the PA&ED phase.

Reference No.: 4.8 June 29-30, 2016 Attachment 1 Page 11 of 18 REPLACEMENT ITEM

								Progra	ammed (\$1	,000s)
Dist	Со	Route	PM/PM	EA	Project ID	PPNO	FY	Component	Existing	Proposed
07	LA	60	R3.2/11.8	30110	0714000009	4699	2017/18	PS&E	5,105	7,751
The c	riginal	estimate	e assumed exi	sting surv	ey data could	be used	. Upon fur	ther investigat	ion, it was	
deter	mined	that the	old survey da	ta was in	complete and	inadequ	ate. There	efore, new surv	eys are req	uired. In
addit	ion, th	e origina	l estimate did	not acco	unt for right o	f way im	pacts relat	ed to curb ram	ıps.	
07	LA	10	2.1/18.4	30150	0714000020	4700	2017/18	PS&E	2,387	7,462
Addit	ional f	ield worl	k is required to	perform	n surveys, coor	dinate ri	ght of way	needs and to	address util	lity
confli	icts.									
07	LA	187	3.5/8.9	30300	0713000493	4691	2017/18	PS&E	700	3,631
			•					er, during the F		
	-				-			o, it was deter	-	
	_		f way acquisit					.,		
07	LA	138	46.7/50.0		0714000219		2017/18	PS&E	828	1,329
								e existing nons		
	-			-				underestimate		-
					•					Oau
		-	restigations, in	eiu surve	ys, research o	i existing	right of w	ay, and draina	ge systems	
moai	ficatio	15.								
07	LA	605	R15.5/R19.5	30770	0714000221	4772	2016/17	PS&E	164	637
The p	roject	was pro	grammed with	limited t	field data and	the accur	mntion the	t utility conflic	te and right	
r0011					iicia aata aiia	tile assu	חוףנוטוו נוופ	it utility commit	us and right	t ot way
requi	remen	ts would	_					that utility cor	_	
_			_					· •	_	-
_			be minimal. I	During th	e PS&E phase	it was de		· •	_	ght of way
requi 07	remen LA	ts will be	be minimal. It is significant.	Ouring th	e PS&E phase 0715000063	it was de 4833	etermined 2017/18	that utility cor	nflicts and ri	ght of way
requi 07 The p	remen LA oroject	ts will be 14 was pro	be minimal. It is significant. R25.5/R35.0 grammed with	Ouring th 31230 limited	e PS&E phase 0715000063	it was de 4833	etermined 2017/18	that utility cor	nflicts and ri	ght of way
requi 07 The p and i	LA project nspect	ts will be 14 was prog ions at e	be minimal. It is significant. R25.5/R35.0 grammed with ach of location	31230 limited	e PS&E phase 0715000063 field data. Add	it was de 4833 ditional r	2017/18 esources a	PA&ED and needed to	oflicts and ri 270 perform fie	ght of way 1,310 Id surveys
requi 07 The p and in	LA project nspecti LA	ts will be 14 was prog ions at e	be minimal. It is significant. R25.5/R35.0 grammed with ach of location R81.8/R87.8	31230 limited to 31250	e PS&E phase 0715000063 field data. Add 0715000065	it was de 4833 ditional r 4835	2017/18 esources a 2017/18	PA&ED nd needed to	efficts and ri 270 perform fie 900	1,310 Id surveys 1,545
requi 07 The p and ii 07 The c	LA project nspecti LA priginal	ts will be 14 was propions at e 5 proposa	be minimal. It is significant. R25.5/R35.0 grammed with ach of location R81.8/R87.8 It to construct	31230 limited to 31250 bioswale	0715000063 field data. Add 0715000065 s at most loca	4833 ditional r 4835 tions is n	2017/18 esources a 2017/18 ot feasible	PA&ED PA&ED PA&ED Address PA&ED Address Addres	270 perform fie 900 n-existence	1,310 Id surveys 1,545
requi 07 The pand in 07 The contrigation	LA project nspecti LA priginal	ts will be 14 was propions at e 5 proposates at the	be minimal. It is significant. R25.5/R35.0 grammed with ach of location R81.8/R87.8 il to construct ose locations.	31230 limited to 31250 bioswale	0715000063 field data. Add 0715000065 s at most loca e, alternate so	4833 ditional r 4835 tions is n	2017/18 esources a 2017/18 ot feasible ke biofiltra	PA&ED and needed to PA&ED and to the no	270 perform fie 900 n-existence are currentle	1,310 Id surveys 1,545 F of y being
requi 07 The pand in 07 The consi	LA project LA priginal tion lindered	ts will be 14 was propions at e 5 proposates at the instead of	R25.5/R35.0 grammed with ach of location R81.8/R87.8 If to construct ose locations.	31230 limited to the state of t	0715000063 field data. Add 0715000065 s at most loca e, alternate so ge in design ha	4833 ditional r 4835 tions is n lutions li s increas	2017/18 esources a 2017/18 ot feasible ke biofiltra	PA&ED and needed to PA&ED edue to the noution trenches at of geotechnic	270 perform fie 900 n-existence are currentl cal work be	1,310 Id surveys 1,545 of y being cause
requi 07 The pand in 07 The corrigations in more	LA project LA priginal tion lindered drilling	ts will be 14 was propions at e 5 proposates at the instead of g is invol	R25.5/R35.0 grammed with ach of location R81.8/R87.8 It to construct ose locations. To bioswales. To ved in the des	31230 limited to the state of t	0715000063 field data. Add 0715000065 s at most loca e, alternate so ge in design ha	4833 ditional r 4835 tions is n lutions li s increas	2017/18 esources a 2017/18 ot feasible ke biofiltra	PA&ED and needed to PA&ED and to the no	270 perform fie 900 n-existence are currentl cal work be	1,310 Id surveys 1,545 of y being cause
requi 07 The pand in 07 The consi irrigationsi more suppo	LA project nspection LA priginal tion lindered of drilling ort cos	ts will be 14 was propions at e 5 proposates at the instead of the proposation of the proposation of the proposation of the propions of th	e significant. R25.5/R35.0 grammed with ach of location R81.8/R87.8 If to construct ose locations. To bioswales. The desire ased due to	31230 limited for the standard for the s	0715000063 field data. Add 0715000065 s at most loca e, alternate so ge in design ha e biofiltration	4833 ditional r 4835 tions is n lutions li s increas	2017/18 esources a 2017/18 ot feasible ke biofiltra sed the cos at each lo	PA&ED PA&ED PA&ED due to the no ation trenches at of geotechnication. Also the	perform fie 900 n-existence are currentl cal work be e Hazardou	1,310 Id surveys 1,545 of ly being cause s Waste
requi 07 The pand in 07 The corrigations in the consister of the corrigion of the corri	LA project nspecti LA priginal tion lin dered drillin port cos	ts will be 14 was propions at e 5 proposates at the instead of g is involuted that inces to be a second to	R25.5/R35.0 grammed with ach of location R81.8/R87.8 It to construct ose locations. To bioswales. To ved in the des reased due to R75.0/R81.8	31230 limited to the state of the state of the this changing of the this charman and the state of the state o	0715000063 field data. Add 0715000065 s at most loca e, alternate so ge in design ha e biofiltration in nge. 0715000067	4833 ditional r 4835 tions is n lutions li is increas tranches	2017/18 esources a 2017/18 ot feasible ke biofiltra sed the cos at each lo	PA&ED PA&ED Add to the notion trenches of geotechnication. Also the	perform fie 900 n-existence are currentl cal work be e Hazardou:	1,310 Id surveys 1,545 e of ly being cause s Waste 1,498
The pand in 07 The consistence on or	LA project LA priginal tion lin dered drillingort cos LA priginal	ts will be 14 was propions at e 5 proposates at the instead of g is involuted that inces are proposates at the control of	R25.5/R35.0 grammed with ach of location R81.8/R87.8 of bioswales. To ved in the des reased due to R75.0/R81.8	31230 Ilimited in 31250 bioswale Therefore his changing of the this char 31260 bioswale	0715000063 field data. Add 0715000065 s at most loca e, alternate so ge in design ha e biofiltration inge. 0715000067 s at most loca	4833 ditional r 4835 tions is n lutions li is increas tranches 4836 tions is n	2017/18 esources a 2017/18 ot feasible ke biofiltra sed the cos at each lo 2017/18 ot feasible	PA&ED e due to the no ation trenches at of geotechnication. Also the PA&ED e due to the no ation trenches at of geotechnication. Also the PA&ED e due to the no	perform fie 900 n-existence are currentl cal work be e Hazardous 950 n-existence	1,310 Id surveys 1,545 of ly being cause s Waste 1,498
requi 07 The pand in 07 The consi more suppo 07 The consirriga	LA project nspecting LA priginal dered of drilling port costal LA priginal tion linguistion linguistion linguistion linguistion linguistion linguistican linguist	ts will be 14 was progions at e 5 proposates at the instead of the incomplete incomp	R25.5/R35.0 grammed with ach of locations. To bioswales. The wed in the destreased due to R75.0/R81.8 all to construct be locations. To bioswales. The destreased due to R75.0/R81.8 all to construct be locations.	31230 limited for the schanging of the this charmal and the schanging of the this charmal and the schanging of the school of the scho	0715000063 field data. Add 0715000065 s at most loca e, alternate so ge in design ha e biofiltration nge. 0715000067 s at most loca e, alternate so	4833 ditional r 4835 tions is n lutions li is increas tranches 4836 tions is n lutions li	2017/18 esources a 2017/18 ot feasible ke biofiltra sed the cos at each lo 2017/18 ot feasible ke biofiltra	PA&ED PA&ED Addition trenches at of geotechnication. Also the pawer of the notion trenches at other pawer of the pawer o	perform fie 900 n-existence are currentl cal work be e Hazardous 950 n-existence are currentl	1,310 Id surveys 1,545 To of Ty being Cause S Waste 1,498 To of Ty being
requi 07 The pand in 07 The consi more suppo 07 The consi irriga consi	LA project LA priginal tion lin dered drilling ort cos LA priginal tion lin dered	ts will be 14 was propions at e 5 proposates at the instead of the proposates at the instead of	R25.5/R35.0 grammed with ach of location R81.8/R87.8 If to construct ose locations. To yed in the des reased due to R75.0/R81.8 If to construct ose locations. To bioswales.	31230 Ilmited to a state of the changing of the this charmal state of the charmal state of the charmal state of the charmal state of the changing of the charmal state of the changing of the	0715000063 field data. Add 0715000065 s at most loca e, alternate so ge in design ha e biofiltration nge. 0715000067 s at most loca e, alternate so ge in design ha	4833 ditional r 4835 tions is n lutions li is increas tranches 4836 tions is n	2017/18 esources a 2017/18 ot feasible ke biofiltra sed the cos at each lo 2017/18 ot feasible ke biofiltra sed the cos at each lo	PA&ED PA&ED Address of geotechnication. Also the pawed to the notion trenches at of geotechnication and the pawed to the notion trenches at of geotechnication trenches at the pawed trenches at t	perform fie 900 n-existence are currentl cal work be e Hazardou: 950 n-existence are currentl cal work be	1,310 Id surveys 1,545 For of Ty being cause Ty Waste 1,498 For of Ty being cause Ty being cause
requi 07 The pand in 07 The coirrigation consisted con	LA priginal tion lin dered tabriginal tion lin dered	ts will be 14 was propions at e 5 proposates at the instead of proposates at the instead of proposates at the instead of g is involuted by the instead of g is involuted by the instead of g is involute.	R25.5/R35.0 grammed with ach of location R81.8/R87.8 Il to construct ose locations. To bioswales. To ved in the des reased due to R75.0/R81.8 Il to construct ose locations. To bioswales. To ved in the des reased due to R75.0/R81.8 Il to construct ose locations. To bioswales. To ved in the des	31230 Ilimited in 31250 bioswale Therefore this changing of the this char allow bioswale Therefore this changing of the this changing o	0715000063 field data. Add 0715000065 s at most loca e, alternate so ge in design ha e biofiltration nge. 0715000067 s at most loca e, alternate so ge in design ha e biofiltration	4833 ditional r 4835 tions is n lutions li is increas tranches 4836 tions is n	2017/18 esources a 2017/18 ot feasible ke biofiltra sed the cos at each lo 2017/18 ot feasible ke biofiltra sed the cos at each lo	PA&ED PA&ED Addition trenches at of geotechnication. Also the pawer of the notion trenches at other pawer of the pawer o	perform fie 900 n-existence are currentl cal work be e Hazardou: 950 n-existence are currentl cal work be	1,310 Id surveys 1,545 For of Ty being cause Ty Waste 1,498 For of Ty being cause Ty being cause
requi 07 The pand in 07 The coirrigation consisted con	LA priginal tion lin dered tabriginal tion lin dered	ts will be 14 was propions at e 5 proposates at the instead of proposates at the instead of instead of instead of g is involuted as incompleted that incomplete at the instead of g is involute that incomplete instead of g is involute that incomplete instead of g is involute that incomp	R25.5/R35.0 grammed with ach of location R81.8/R87.8 of bioswales. To ved in the des reased due to R75.0/R81.8 of bioswales. To construct ose locations. To bioswales. To construct ose locations. To bioswales. To construct ose locations. To bioswales. To ved in the des reased due to construct ose locations. To bioswales. To ved in the des reased due to construct ose locations.	31230 Ilimited in 31250 bioswale Therefore this changing of the this cha	0715000063 field data. Add 0715000065 s at most loca e, alternate so ge in design ha e biofiltration sige. 0715000067 s at most loca e, alternate so ge in design ha e biofiltration sige.	4833 ditional r 4835 tions is n lutions li is increas tranches 4836 tions is n lutions li is increas	2017/18 esources a 2017/18 ot feasible ke biofiltra sed the cos at each lo 2017/18 ot feasible ke biofiltra sed the cos at each lo	PA&ED PA&ED The due to the notation trenches at of geotechnication. Also the due to the notation trenches at of geotechnication. Also the due to the notation trenches at of geotechnication. Also the due to the notation trenches at of geotechnication. Also the	perform fie 900 n-existence are currentl cal work be e Hazardou: 950 n-existence are currentl cal work be	1,310 Id surveys 1,545 For of Ty being cause Ty Waste 1,498 For of Ty being cause
requi 07 The pand in 07 The coirrigation consisted con	LA priginal tion lin dered tabriginal tion lin dered	ts will be 14 was propions at e 5 proposates at the instead of proposates at the instead of proposates at the instead of g is involuted by the instead of g is involuted by the instead of g is involute.	R25.5/R35.0 grammed with ach of location R81.8/R87.8 Il to construct ose locations. To bioswales. To ved in the des reased due to R75.0/R81.8 Il to construct ose locations. To bioswales. To ved in the des reased due to R75.0/R81.8 Il to construct ose locations. To bioswales. To ved in the des	31230 Ilimited in 31250 bioswale Therefore this changing of the this cha	0715000063 field data. Add 0715000065 s at most loca e, alternate so ge in design ha e biofiltration nge. 0715000067 s at most loca e, alternate so ge in design ha e biofiltration	4833 ditional r 4835 tions is n lutions li is increas tranches 4836 tions is n lutions li is increas	2017/18 esources a 2017/18 ot feasible ke biofiltra sed the cos at each lo 2017/18 ot feasible ke biofiltra sed the cos at each lo	PA&ED PA&ED Address of geotechnication. Also the pawed to the notion trenches at of geotechnication and the pawed to the notion trenches at of geotechnication trenches at the pawed trenches at t	perform fie 900 n-existence are currentl cal work be e Hazardou: 950 n-existence are currentl cal work be	1,310 Id surveys 1,545 For of Ty being cause Ty Waste 1,498 For of Ty being cause Ty being cause
requi 07 The pand in 07 The consimore support irrigationsimore support orange	LA project LA priginal tion lindered drilling ort costal tion lindered dri	ts will be 14 was proposates at the instead of proposates at the instead of g is involuted at the incept of the instead of g is involuted at the incept of the instead of g is involuted at the incept of the instead of g is involuted at the incept of the instead of g is involuted at the incept of the instead of g is involuted at the incept of the instead of g is involuted at the incept of the instead of g is involuted at the	be minimal. It is significant. R25.5/R35.0 grammed with ach of location R81.8/R87.8 all to construct ose locations. To bioswales. To ved in the despense of bioswales. To construct ose locations. To bioswales. To construct ose locations. To bioswales. To ved in the despense of bioswales.	31230 Ilimited in. 31250 bioswale Therefore this changing of the this changing of the this changing of the this changing of the ing of the this changing of the ing of the this changing of the this c	0715000063 field data. Add 0715000065 s at most loca e, alternate so ge in design ha e biofiltration s at most loca e, alternate so ge in design ha e biofiltration s at most loca e, alternate so ge in design ha e biofiltration ge. 0715000069	4833 ditional r 4835 tions is n lutions li s increas tranches 4836 tions is n lutions li s increas tranches	2017/18 esources a 2017/18 ot feasible ke biofiltra sed the cos at each lo 2017/18 ot feasible ke biofiltra sed the cos at each lo 2017/18	PA&ED PA&ED The due to the notation trenches at of geotechnication. Also the due to the notation trenches at of geotechnication. Also the due to the notation trenches at of geotechnication. Also the due to the notation trenches at of geotechnication. Also the	perform fie 900 n-existence are currentl cal work be e Hazardou: 950 n-existence are currentl cal work be e Hazardou:	1,310 Id surveys 1,545 To of Ty being Cause S Waste 1,498 To of Ty being Cause S Waste 1,498 To of Ty being

Reference No.: 4.8 June 29-30, 2016 Attachment 1 Page 12 of 18 REPLACEMENT ITEM

								Progra	ammed (\$1	,000s)
Dist	Со	Route	PM/PM	EA	Project ID	PPNO	FY	Component	Existing	Proposed
07	LA	110	R0.8/24.1	3009U	0714000238	4681	2016/17	PA&ED	550	1,439
The s	upport	cost inc	reased due to	addition	al storm water	r treatme	ent locatio	ns needed and	having to p	roduce a
full fl	edged :	Storm W	ater Pollution	Preventi	ion Plan instea	d of a Sh	ort Form t	hat had been ¡	planned bas	sed on the
origir	nal scop	e of wo	rk.							
08	RIV	74	17.5/25.7	1E070	0813000141	0054K	2016/17	PA&ED	295	584
The e	xisting	as-built	topography ha	d to be	merged with t	he desigi	n "as-built'	' plans (i.e. roa	dway, cont	our,
pavei	ment d	elineatic	on, etc.) to gen	erate the	e base map top	oography	for design	n. The decision	n to proceed	d with this
optio	n was t	o avoid	requesting a fu	ıll survey	y data, which v	vill delay	the sched	ule substantia	lly. In addit	ion, some
of the	e work	that is tr	aditionally do	ne in the	PS&E phase is	being d	one in the	PA&ED phase.		
08	SBD	60	0.9/2.9	0F030	0800020358	0033E	2017/18	PA&ED	1,013	2,243
								ow an IS/EA.	,	
				•	to also do des	-	-	o		
	1							DC 0 F	1 246	2 200
08	SBD	10	R36.9/R39.1	0K293			2017/18	PS&E	1,246	2,290
								s rehabilitatior		
_				-	for design wor			the westbound	a direction v	wiii be
08	RIV	60	R6.9/R12.2		0812000108			PA&ED	215	849
		-				-	•	s additional de	_	as well as
the ic	dentific	ation of	right of way re	equireme	ents, utility cor	iflicts, an	id environi	mental impacts	S.	
08	RIV	111	47.3/55.3	0R300	0812000056	0105C	2017/18	PA&ED	662	1,657
For th	nis ADA	project	, the survey wo	ork has b	een much mo	re compl	icated tha	n anticipated.	There are 1	17 curb
ramp	s, 97 dı	rive way	s and 400 feet	of sidew	alk scattered	over a 5	mile stretc	h. Much of the	alignment	
infori	mation	within t	he project limi	ts could	only be obtain	ed from	City archiv	es. It has beer	a very tedi	ous and
time	consun	ning task	for the survey	, team a	nd these addit	ional res	ources we	re not planned	l nor anticip	ated.
08	SBD	62	41.0/41.5	1E610	0814000055	0225K	2017/18	PA&ED	690	1,117
The F	roject	Initiation	•					oreseen issues	listed belov	
	-			-						-
Addit	ional re	esources	needed to co	nsult wit	h Bureau of La	nd Mana	agement so	o they can revi	ew and app	rove the
							_	o they can revi scriptive Right		

soil contamination. This additional work will be conducted by a consultant; therefore, additional funds are now needed; and 3) The initial survey request asked for 20 feet from the edge of the pavement to be surveyed. However, the Project Engineer discovered that due to the steep slope, 30 feet from the edge of the pavement is now needed. This required sending a survey crew to the project location again, which required additional

resources.

Reference No.: 4.8 June 29-30, 2016 Attachment 1 Page 13 of 18 REPLACEMENT ITEM

								Progra	ammed (\$1	,000s)
Dist	Со	Route	PM/PM	EA	Project ID	PPNO	FY	Component	Existing	Proposed
09	INY	168	/	35210	0900020090	0611	2017/18	PA&ED	287	643
The r	eason 1	for the ir	ncrease was du	ie to dela	ays in PA&ED b	ecause	of unantici	pated non-res	ourced hist	oric surveys
that v	vere re	equired a	as part of the e	nvironm	ental process.	Surveyi	ng work w	as also undere	stimated ar	nd included
consu	ıltants	to comp	lete. PA&ED v	vas also (delayed for un	anticipat	ted and no	n-resourced h	istoric surve	eys,
result	ing in	higher h	ourly rates.							
10	STA	108	33.2/	0H480	1012000193	5411	2018/19	PS&E	1,019	1,439
The p	roject	was initi	ated in the Mi	nor prog	ram. Howeve	r, due to	project co	st increase, it l	has been su	bsequently
progr	amme	d in the	SHOPP . The s	ite needs	s to be re-surv	eyed and	re-assess	ed by Geotech	nical, Struc	tures
Desig	n, and	Environ	mental branch	es. Cons	equently, sup	port cost	will increa	ase. Moreover	r, existing m	etal beam
guard	l rail ne	eds to b	e replaced and	d tempoi	ary constructi	on easer	ments may	need to be ac	quired.	
10	SJ	VAR	/	0P550	1012000055	0338	2017/18	PA&ED	900	1,224
			ED cost is due						1	
10	SJ	VAR	/		1012000055	0338	2017/18	PS&E	2,000	3,928
The ir	ncrease	l	E cost is due to				, , ,		,	
10	MER	5	0.4/0.9		1012000020	3008	2017/18	PA&ED	121	362
The r	ecomn	nended a	alternative for					er treatment s	vstem simil	ar to the
			stem currently			-			-	
•		•	and recommen				•		•	•
area.	iiica tii	ic need (ided tire	rusterruter s _i	, sterri at		rea de sirmar (io the Buill	igan rest
	CT A		27.0/27.5	0)4/620	4042000024	2000	2046/47	DC0 F	F02	054
10	STA	. 5	27.0/27.5		1012000021		2016/17	PS&E	592	854
			ort cost for PS	-			-			
progr	allilliii	ig docui	nent was deve	iopeu, ai	iu tile issues a	SSUCIALE	u with the	need to addre	ss the elect	ric supply.
10	CI	12	140/101	OVEEO	1012000220	2070	2016/17	DC 0 F	150	405
10	SJ ort soc	12	14.9/18.1		1013000239		2016/17	PS&E	150	495
			sed in PS&E be the estimate.	cause the	e illitiai estillia	ite ala no	ot include s	several key tea	iiii iiieiiibei	S WIIO IIAVE
		_			1					1
10	STA	99	R0.0/R24.8		1014000108		2017/18	PA&ED	765	1,224
	-		n Document ur					_		-
			rs will allow fo	r the pro	per design and	d review	of each of	these location	ns along wit	h the on-
and o	ff-ram	p work.								
12	ORA	90	0.61/7.95	0M910	1213000036	4317	2016/17	PS&E	2,605	3,126
Unan	ticipate	ed Aeria	lly Deposited L	ead (ADI	_) testing is ne	eded alo	ng the pro	ject limits at 9	1 locations	(36 curb
ramp	s and 5	55 drivev	vays). Permits	to Enter	are required f	for acces	s to most o	of these prope	rties to obta	ain the ADL
samp	les. Ac	dditional	coordination	with citie	s and busines	s owners	will be red	quired to minir	mize interru	ıption
durin	g busir	ess hou	rs for ADL test	ing and c	oordination fo	or the fut	ture constr	uction of the p	project. Un	foreseen
			adjacent to driv							
	-		utility vaults ar		-				-	_
			sting at adjace				require ad	ditional unant	icipated wo	rk due to
adjac	ent ste	ep slope	es to match adj	jacent bu	isiness proper	ties.				

Reference No.: 4.8 June 29-30, 2016 Attachment 1 Page 14 of 18 REPLACEMENT ITEM

								Progra	ammed (\$1	,000s)
Dist	Co	Route	PM/PM	EA	Project ID	PPNO	FY	Component	Existing	Proposed
01	HUM	101	27.7/53.9	0A110	0112000211	2301	2017/18	PA&ED	1,198	1,625
One o	of the t	hree bri	dge locations i	dentified	l for seismic re	trofit is i	now being	considered for	r a bridge	
repla	cemen	t. The st	udies required	to dete	rmine if a retro	ofit can b	e complet	ed without a r	eplacement	have
resul ⁻	ted in r	nore exp	enditures in tl	nis phase	e. The team is	now also	investiga	ting the histori	ical designa	tion of the
bridg	e.									
01	VAR	101	3.7/39.8	0C590	0113000013	7011	2016/17	PS&E	415	670
This 8	guardra	il upgra	de project invo	lves mul	tiple highways	s and cou	ınties. Var	ying regulator	y juridistion	s will
requi	re mor	e techni	cal study coord	dination	than originally	estimate	ed, which v	will result in m	ore field vis	its over
wide	spread	location	s. This has als	o increas	ed the amoun	it of map	ping requi	red for the per	rmit applica	tions.
01	MEN	101	20/45.9	0C430	0112000293	4572	2016/17	PS&E	299	550
Two	high ris	k utilitie	s have been id	entified	that have pote	ential to l	be in confl	ict with the im	provements	S.
Poth	oling w	ill be req	juired within a	creek in	order to posit	ively ide	ntify the h	igh risk utilities	s. This effor	t will
requi	re mor	e mappi	ng and enviror	nmental	clearances.					
01	MEN	1	42.4/43.3	40140	0100000155	4491	2017/18	PA&ED	4,525	5,800
More	detaile	ed analy	sis of biologica	l, wetlan	d, and hazard	ous mate	erials impa	cts is required	for Californ	ia Coastal
Comr	mission	, Army C	Corps of Engine	ers, Cali	fornia Water C	Quality Co	ontol Boar	d and Californi	a Fish and \	Vildlife
than	origina	lly antici	pated in earlie	r estima	tes.					
01	HUM	101	110.6/113.8	0B420	0112000126	2340	2016/17	PS&E	1,020	1,500
The c	riginal	mitigati	on strategy wa	s to purc	chase mitigation	on credit	s under a r	nitigation banl	k developed	by a
sepai	rate pro	oject. A	fter the PA&EI	D phase v	was completed	d, it was	discovered	that the prop	osed mitiga	tion site
did n	ot have	sufficie	nt capacity. A	new mit	igation strateg	gy is unde	er develop	ment and invo	lves additio	nal
unfo	reseen	work at	two locations.	Additio	nal support fui	nds are n	eeded for	an increased e	effort in dev	elopment
of the	e mitiga	ation pa	ckage.							
02	LAS	36	22.4/R29.4	4F990	0213000057	3529	2016/17	PA&ED	450	1,400
The F	roject	Initiation	n Document as	sumed t	hat 45 of the 9	00 existin	g curb ran	nps were comp	liant. It wa	as later
deter	mined	that all	90 of the existi	ng curb i	ramps need to	be upgr	aded to m	eet current AD	A standard	s. This
resul	ted in a	need fo	r additional re	sources	to avoid impa	cts to his	torical bui	ldings and min	imize the n	umber of
affec	ted par	cels. A	Complete Stree	ets analy	sis evaluated o	options, i	ncluding u	tilizing bulb-ou	uts requeste	ed by the
City o	of Susar	nville, po	tential modific	cation of	lane configura	ations, in	nproving b	ike lanes, and	pedestrian	
move	ements	. In addi	tion, a traffic s	tudy wa	s needed as pa	art of the	analysis.			

Reference No.: 4.8 June 29-30, 2016 Attachment 1 Page 15 of 18 REPLACEMENT ITEM

								Progra	ammed (\$1	,000s)
Dist	Со	Route	PM/PM	EA	Project ID	PPNO	FY	Component	Existing	Proposed
03	YUB	20	18.2/20.2	3F510	0313000020	9590	2017/18	PA&ED	3,800	4,700
Duo t	o tho I	ack of cu	ryov data duri	na tha ni	roject initiation	nhaca	a low roco	lution digital o	lovation me	odal was

Due to the lack of survey data during the project initiation phase, a low resolution digital elevation model was used to estimate the length of the proposed bridge at 350 feet, which meant that the planned truck climbing lane would end before the bridge. After detailed studies conducted during the PA&ED phase, it was determined that the bridge needs to be 750 feet long. In addition, the traffic operations study performed during the PA&ED phase requires the truck climbing lane to be extended across the bridge. These changes resulted in analyzing more alternatives than anticipated. While performing the cultural resources excavations, numerous unexpected cultural resource artifacts were found at several locations. These findings will require more effort than anticipated for staff to analyze and catalog the artifacts, prepare associated reports, obtain concurrence from the State Historic Preservation Officer, and finalize technical studies. As a result, additional PA&ED support is needed.

03	PLA	80	41.4/42.2	3F480	0313000017	5103	2016/17	PS&E	430	730
Thor	roject	nronoco	d to roplace th	o ovictin	a ancita wasta	water tr	aatmant c	vctom with a	nond facu	ltativo

The project proposed to replace the existing onsite wastewater treatment system with a 3-pond facultative treatment system. It was assumed that the 3-pond system would be created by digging into the existing ground. After geotechnical evaluation of the site, it was found that the site consists of both shallow bedrock and high groundwater, which necessitated a change to the planned design concept. The pond design is being modified so that it is built entirely above ground. Additional resources are needed for the geotechnical effort and the change in design concept.

ı	03	ED	50	67.3/67.3	3F530	0313000135	3304	2017/18	PA&ED	624	2,000
	Due t	o the p	roject lo	cation near th	e City of	South Lake Ta	hoe and	the poten	tial impact to I	ake Tahoe	tourism
ı	durin	g const	ruction,	a Community	Impact A	Analysis (CIA) is	s require	d to comp	lete the enviro	nmental do	cument.
ı	The C	IA was	not ant	icipated, and re	equires a	technical stud	dy titled	Economic	Impacts Due to	Traffic Det	ours. In
	additi	ion, Cal	ltrans cr	ews are not av	ailable t	o complete fou	undation	drilling in	the time need	ed to keep t	he project

on schedule. Therefore foundation drilling will be contracted out at a higher cost.

03	SUT	20	5.0/11.3	1A920	0300020608	8132	2017/18	PA&ED	850	2,000
In the	Projec	t Initiat	ion Document	it was as	sumed that ei	ght parc	els would b	e needed. A	complete par	cel count
now s	shows a	a need f	or 28 parcels.	In addition	on, wetlands t	hat were	not appar	ent during dev	velopment of	the PID,
at the	height	t of the	drought, are n	ow appa	rent. The new	ly identi	fied wetlar	ids will require	e additional s	tudies
and d	esign v	vork to	minimize impa	cts.						

04	ALA	580	R30.8/R41.5	27010	0412000131	0135A	2017/18	PA&ED	1,121	1,400
Addit	ional s	urvey w	ork that was no	ot anticip	ated in the Pr	oject Init	iation Doc	ument is now	required. 1	his will
incre	ase the	the cos	t of the PA&ED	phase.						

04	MRN	1	24.7	4S780	0400020145	0315D	2017/18	PS&E	2,400	3,200

This project required multiple redesigns to address regulatory agencies' concerns, which increased the cost of the PS&E phase.

	04	MRN	101	0.0/4.0	3G210	0412000027	2119Q	2016/17	PS&E	360	650
--	----	-----	-----	---------	-------	------------	-------	---------	------	----------------	-----

Multiple curb ramp locations require coordination with several external agencies. Additional effort is required to determine right of way requirements.

Reference No.: 4.8 June 29-30, 2016 Attachment 1 Page 16 of 18 REPLACEMENT ITEM

Additional funding is needed to address electrical systems that were not identified in the PA&ED phase, and coordinate with utility companies. 04 SOL 80 13.9 3G690 0412000153 8315N 2017/18 PA&ED 850 Additional funding is needed to develop a Traffic Management Plan, provide public outreach, coordinate primeetings, and address potential traffic impacts due to planned lane closures. 04 NAP 121 0.7 4G210 0412000310 0775G 2017/18 PA&ED 1,350 Additional funding is needed to consult with resource agencies and prepare the fish passage profile and crosections to meet the agencies' requirements. 04 NAP 128 R7.4 1G430 0412000126 0587H 2016/17 PS&E 1,050 Unanticipated utility conflicts will require mutiliple design alternatives and additional effort to coordinate and finalize utility relocations plans, right of way acquisition, and environmental re-evaluation. 04 SCL 152 13.8/14.7 1G870 0400020620 0730F 2016/17 PS&E 7,390 Additional funding is needed to coordinate and finalize utility relocation plans, and to conduct hazardous material studies to comply with environmental requirements. 04 SCL 152 0.0/6.2 2A251 0413000402 0483Q 2017/18 PS&E 440 Additional funding is needed for extensive coordination with various environmental resource agencies at multiple locations in a highly sensitive environmental corridor. 04 SCL 152 R21.8/R35.2 0J800 0414000067 0480K 2019/20 PA&ED 1,375 This project requires additional survey effort that was not accounted for in the Project Initiation Document addition, early coordination with various environmental resource agencies will be required.									Progra	ammed (\$1	,000s)
Additional funding is needed to address electrical systems that were not identified in the PA&ED phase, and coordinate with utility companies. 04 SOL 80 13.9 3G690 0412000153 8315N 2017/18 PA&ED 850 Additional funding is needed to develop a Traffic Management Plan, provide public outreach, coordinate pure meetings, and address potential traffic impacts due to planned lane closures. 04 NAP 121 0.7 4G210 0412000310 0775G 2017/18 PA&ED 1,350 Additional funding is needed to consult with resource agencies and prepare the fish passage profile and crossections to meet the agencies' requirements. 04 NAP 128 R7.4 1G430 0412000126 0587H 2016/17 PS&E 1,050 Unanticipated utility conflicts will require mutiliple design alternatives and additional effort to coordinate and finalize utility relocations plans, right of way acquisition, and environmental re-evaluation. 04 SCL 152 13.8/14.7 1G870 0400020620 0730F 2016/17 PS&E 730 Additional funding is needed to coordinate and finalize utility relocation plans, and to conduct hazardous material studies to comply with environmental requirements. 04 SCL 152 0.0/6.2 2A251 0413000402 04830 2017/18 PS&E 440 Additional funding is needed for extensive coordination with various environmental resource agencies at multiple locations in a highly sensitive environmental corridor. 04 SCL 152 R21.8/R35.2 0J800 0414000067 0480K 2019/20 PA&ED 1,375 This project requires additional survey effort that was not accounted for in the Project Initiation Document addition, early coordination with various environmental resource agencies will be required. 04 ALA 13 12.1/13.4 2G482 0415000362 0124L 2018/19 PS&E 765 Additional funding is needed to address recently discovered field conditions that will require additional investigation, coordination, and custom ADA design. 04 SCL 280 14.9 4H880 0413000296 0211Z 2016/17 PS&E 360 Additional funding is needed to perform an environmental/biological evaluation, to consult with resource agencies to relocate a species, and to perform biology monitoring. In ad	Dist	Со	Route	PM/PM	EA	Project ID	PPNO	FY	Component	Existing	Proposed
coordinate with utility companies. O4	04	SON	101	R33.5/R43.4	4G480	0412000490	0780G	2016/17	PS&E	450	700
Additional funding is needed to develop a Traffic Management Plan, provide public outreach, coordinate public meetings, and address potential traffic impacts due to planned lane closures. O4 NAP 121	Addit	ional f	unding is	needed to ad	dress ele	ctrical system	s that we	ere not ide	ntified in the P	A&ED phas	e, and to
Additional funding is needed to develop a Traffic Management Plan, provide public outreach, coordinate presentings, and address potential traffic impacts due to planned lane closures. O4 NAP 121 0.7 4G210 0412000310 0775G 2017/18 PA&ED 1,350	coord	linate v	with utili	ty companies.							
Additional funding is needed to consult with resource agencies and prepare the fish passage profile and crosections to meet the agencies' requirements. 04 NAP 128 R7.4 1G430 0412000126 0587H 2016/17 PS&E 1,050 Unanticipated utility conflicts will require mutliple design alternatives and additional effort to coordinate an finalize utility relocations plans, right of way acquisition, and environmental re-evaluation. 04 SCL 152 13.8/14.7 1G870 0400020620 0730F 2016/17 PS&E 730 Additional funding is needed to coordinate and finalize utility relocation plans, and to conduct hazardous material studies to comply with environmental requirements. 04 SCL 152 0.0/6.2 2A251 0413000402 0483Q 2017/18 PS&E 440 Additional funding is needed for extensive coordination with various environmental resource agencies at multiple locations in a highly sensitive environmental corridor. 04 SCL 152 R21.8/R35.2 0J800 0414000067 0480K 2019/20 PA&ED 1,375 This project requires additional survey effort that was not accounted for in the Project Initiation Document addition, early coordination with various environmental resource agencies will be required. 04 ALA 13 12.1/13.4 2G482 0415000362 0124L 2018/19 PS&E 765 Additional funding is needed to address recently discovered field conditions that will require additional investigation, coordination, and custom ADA design. 04 SCL 280 14.9 4H880 0413000296 0211Z 2016/17 PS&E 360 Additional funding is needed to perform an environmental/biological evaluation, to consult with resource agencies to relocate a species, and to perform biology monitoring. In addition, a landscape investigation an analysis is required to determine tree cutting, trimming, replanting, and irrigation for the "screen" trees the separate the freeway from the surrounding community.	04	SOL	80	13.9	3G690	0412000153	8315N	2017/18	PA&ED	850	1,200
Additional funding is needed to consult with resource agencies and prepare the fish passage profile and crosections to meet the agencies' requirements. 04 NAP 128 R7.4 1G430 0412000126 0587H 2016/17 PS&E 1,050 Unanticipated utility conflicts will require mutliple design alternatives and additional effort to coordinate an finalize utility relocations plans, right of way acquisition, and environmental re-evaluation. 04 SCL 152 13.8/14.7 1G870 0400020620 0730F 2016/17 PS&E 730 Additional funding is needed to coordinate and finalize utility relocation plans, and to conduct hazardous material studies to comply with environmental requirements. 04 SCL 152 0.0/6.2 2A251 0413000402 0483Q 2017/18 PS&E 440 Additional funding is needed for extensive coordination with various environmental resource agencies at multiple locations in a highly sensitive environmental corridor. 04 SCL 152 R21.8/R35.2 0J800 0414000067 0480K 2019/20 PA&ED 1,375 This project requires additional survey effort that was not accounted for in the Project Initiation Document addition, early coordination with various environmental resource agencies will be required. 04 ALA 13 12.1/13.4 2G482 0415000362 0124L 2018/19 PS&E 765 Additional funding is needed to address recently discovered field conditions that will require additional investigation, coordination, and custom ADA design. 04 SCL 280 14.9 4H880 0413000296 0211Z 2016/17 PS&E 360 Additional funding is needed to perform an environmental/biological evaluation, to consult with resource agencies to relocate a species, and to perform biology monitoring. In addition, a landscape investigation an analysis is required to determine tree cutting, trimming, replanting, and irrigation for the "screen" trees the separate the freeway from the surrounding community.	Addit	ional f	unding is	needed to de	velop a 1	raffic Manage	ment Pla	an, provide	public outrea	ch, coordin	ate public
Additional funding is needed to consult with resource agencies and prepare the fish passage profile and crosections to meet the agencies' requirements. 04 NAP 128 R7.4 1G430 0412000126 0587H 2016/17 PS&E 1,050 Unanticipated utility conflicts will require mutliple design alternatives and additional effort to coordinate and finalize utility relocations plans, right of way acquisition, and environmental re-evaluation. 04 SCL 152 13.8/14.7 1G870 0400020620 0730F 2016/17 PS&E 730 Additional funding is needed to coordinate and finalize utility relocation plans, and to conduct hazardous material studies to comply with environmental requirements. 04 SCL 152 0.0/6.2 2A251 0413000402 0483Q 2017/18 PS&E 440 Additional funding is needed for extensive coordination with various environmental resource agencies at multiple locations in a highly sensitive environmental corridor. 04 SCL 152 R21.8/R35.2 0J800 0414000067 0480K 2019/20 PA&ED 1,375 This project requires additional survey effort that was not accounted for in the Project Initiation Document addition, early coordination with various environmental resource agencies will be required. 04 ALA 13 12.1/13.4 2G482 0415000362 0124L 2018/19 PS&E 765 Additional funding is needed to address recently discovered field conditions that will require additional investigation, coordination, and custom ADA design. 04 SCL 280 14.9 4H880 0413000296 0211Z 2016/17 PS&E 360 Additional funding is needed to perform an environmental/biological evaluation, to consult with resource agencies to relocate a species, and to perform biology monitoring. In addition, a landscape investigation an analysis is required to determine tree cutting, trimming, replanting, and irrigation for the "screen" trees the separate the freeway from the surrounding community.	meeti	ings, a	nd addre	ess potential tr	affic imp	acts due to pla	anned la	ne closure:	S.		
Sections to meet the agencies' requirements. O4 NAP 128 R7.4 16430 0412000126 0587H 2016/17 PS&E 1,059	04	NAP	121	0.7	4G210	0412000310	0775G	2017/18	PA&ED	1,350	1,750
O4 NAP 128 R7.4 1G430 0412000126 0587H 2016/17 PS&E 1,050 Unanticipated utility conflicts will require mutliple design alternatives and additional effort to coordinate at finalize utility relocations plans, right of way acquisition, and environmental re-evaluation. O4 SCL 152 13.8/14.7 1G870 0400020620 0730F 2016/17 PS&E 730 Additional funding is needed to coordinate and finalize utility relocation plans, and to conduct hazardous material studies to comply with environmental requirements. O4 SCL 152 0.0/6.2 2A251 0413000402 0483Q 2017/18 PS&E 440 Additional funding is needed for extensive coordination with various environmental resource agencies at multiple locations in a highly sensitive environmental corridor. O4 SCL 152 R21.8/R35.2 0J800 0414000067 0480K 2019/20 PA&ED 1,375 This project requires additional survey effort that was not accounted for in the Project Initiation Document addition, early coordination with various environmental resource agencies will be required. O4 ALA 13 12.1/13.4 2G482 0415000362 0124L 2018/19 PS&E 765 Additional funding is needed to address recently discovered field conditions that will require additional investigation, coordination, and custom ADA design. O4 SCL 280 14.9 4H880 0413000296 0211Z 2016/17 PS&E 360 Additional funding is needed to perform an environmental/biological evaluation, to consult with resource agencies to relocate a species, and to perform biology monitoring. In addition, a landscape investigation an analysis is required to determine tree cutting, trimming, replanting, and irrigation for the "screen" trees the separate the freeway from the surrounding community.	Addit	ional f	unding is	needed to co	nsult wit	h resource age	encies an	d prepare	the fish passag	ge profile a	nd cross
Unanticipated utility conflicts will require mutliple design alternatives and additional effort to coordinate and finalize utility relocations plans, right of way acquisition, and environmental re-evaluation. 04 SCL 152 13.8/14.7 16870 0400020620 0730F 2016/17 PS&E 730 Additional funding is needed to coordinate and finalize utility relocation plans, and to conduct hazardous material studies to comply with environmental requirements. 04 SCL 152 0.0/6.2 2A251 0413000402 0483Q 2017/18 PS&E 440 Additional funding is needed for extensive coordination with various environmental resource agencies at multiple locations in a highly sensitive environmental corridor. 04 SCL 152 R21.8/R35.2 0J800 0414000067 0480K 2019/20 PA&ED 1,375 This project requires additional survey effort that was not accounted for in the Project Initiation Document addition, early coordination with various environmental resource agencies will be required. 04 ALA 13 12.1/13.4 2G482 0415000362 0124L 2018/19 PS&E 765 Additional funding is needed to address recently discovered field conditions that will require additional investigation, coordination, and custom ADA design. 04 SCL 280 14.9 4H880 0413000296 0211Z 2016/17 PS&E 360 Additional funding is needed to perform an environmental/biological evaluation, to consult with resource agencies to relocate a species, and to perform biology monitoring. In addition, a landscape investigation an analysis is required to determine tree cutting, trimming, replanting, and irrigation for the "screen" trees the separate the freeway from the surrounding community.	sectio	ns to i	meet the	agencies' req	uiremen [.]	ts.					
finalize utility relocations plans, right of way acquisition, and environmental re-evaluation. O4 SCL 152 13.8/14.7 1G870 0400020620 0730F 2016/17 PS&E 730 Additional funding is needed to coordinate and finalize utility relocation plans, and to conduct hazardous material studies to comply with environmental requirements. O4 SCL 152 0.0/6.2 2A251 0413000402 0483Q 2017/18 PS&E 440 Additional funding is needed for extensive coordination with various environmental resource agencies at multiple locations in a highly sensitive environmental corridor. O4 SCL 152 R21.8/R35.2 0J800 0414000067 0480K 2019/20 PA&ED 1,375 This project requires additional survey effort that was not accounted for in the Project Initiation Document addition, early coordination with various environmental resource agencies will be required. O4 ALA 13 12.1/13.4 2G482 0415000362 0124L 2018/19 PS&E 765 Additional funding is needed to address recently discovered field conditions that will require additional investigation, coordination, and custom ADA design. O4 SCL 280 14.9 4H880 0413000296 0211Z 2016/17 PS&E 360 Additional funding is needed to perform an environmental/biological evaluation, to consult with resource agencies to relocate a species, and to perform biology monitoring. In addition, a landscape investigation an analysis is required to determine tree cutting, trimming, replanting, and irrigation for the "screen" trees the separate the freeway from the surrounding community.	04	NAP	128	R7.4	1G430	0412000126	0587H	2016/17	PS&E	1,050	2,200
Additional funding is needed to coordinate and finalize utility relocation plans, and to conduct hazardous material studies to comply with environmental requirements. 04 SCL 152 0.0/6.2 2A251 0413000402 0483Q 2017/18 PS&E 440 Additional funding is needed for extensive coordination with various environmental resource agencies at multiple locations in a highly sensitive environmental corridor. 04 SCL 152 R21.8/R35.2 0J800 0414000067 0480K 2019/20 PA&ED 1,375 This project requires additional survey effort that was not accounted for in the Project Initiation Document addition, early coordination with various environmental resource agencies will be required. 04 ALA 13 12.1/13.4 2G482 0415000362 0124L 2018/19 PS&E 765 Additional funding is needed to address recently discovered field conditions that will require additional investigation, coordination, and custom ADA design. 04 SCL 280 14.9 4H880 0413000296 0211Z 2016/17 PS&E 360 Additional funding is needed to perform an environmental/biological evaluation, to consult with resource agencies to relocate a species, and to perform biology monitoring. In addition, a landscape investigation ar analysis is required to determine tree cutting, trimming, replanting, and irrigation for the "screen" trees that separate the freeway from the surrounding community.	Unan [.]	ticipat	ed utility	conflicts will i	require n	nutliple design	alternat	ives and a	dditional effor	t to coordin	ate and
Additional funding is needed to coordinate and finalize utility relocation plans, and to conduct hazardous material studies to comply with environmental requirements. 04 SCL 152 0.0/6.2 2A251 0413000402 0483Q 2017/18 PS&E 440 Additional funding is needed for extensive coordination with various environmental resource agencies at multiple locations in a highly sensitive environmental corridor. 04 SCL 152 R21.8/R35.2 0J800 0414000067 0480K 2019/20 PA&ED 1,375 This project requires additional survey effort that was not accounted for in the Project Initiation Document addition, early coordination with various environmental resource agencies will be required. 04 ALA 13 12.1/13.4 2G482 0415000362 0124L 2018/19 PS&E 765 Additional funding is needed to address recently discovered field conditions that will require additional investigation, coordination, and custom ADA design. 04 SCL 280 14.9 4H880 0413000296 0211Z 2016/17 PS&E 360 Additional funding is needed to perform an environmental/biological evaluation, to consult with resource agencies to relocate a species, and to perform biology monitoring. In addition, a landscape investigation ar analysis is required to determine tree cutting, trimming, replanting, and irrigation for the "screen" trees that separate the freeway from the surrounding community.	finaliz	ze utilit	ty reloca	tions plans, rig	tht of wa	y acquisition, a	and envi	ronmental	re-evaluation.		
Additional funding is needed to coordinate and finalize utility relocation plans, and to conduct hazardous material studies to comply with environmental requirements. 04 SCL 152 0.0/6.2 2A251 0413000402 0483Q 2017/18 PS&E 440 Additional funding is needed for extensive coordination with various environmental resource agencies at multiple locations in a highly sensitive environmental corridor. 04 SCL 152 R21.8/R35.2 0J800 0414000067 0480K 2019/20 PA&ED 1,375 This project requires additional survey effort that was not accounted for in the Project Initiation Document addition, early coordination with various environmental resource agencies will be required. 04 ALA 13 12.1/13.4 2G482 0415000362 0124L 2018/19 PS&E 765 Additional funding is needed to address recently discovered field conditions that will require additional investigation, coordination, and custom ADA design. 04 SCL 280 14.9 4H880 0413000296 0211Z 2016/17 PS&E 360 Additional funding is needed to perform an environmental/biological evaluation, to consult with resource agencies to relocate a species, and to perform biology monitoring. In addition, a landscape investigation ar analysis is required to determine tree cutting, trimming, replanting, and irrigation for the "screen" trees that separate the freeway from the surrounding community.											
material studies to comply with environmental requirements. 04 SCL 152 0.0/6.2 2A251 0413000402 0483Q 2017/18 PS&E 440 Additional funding is needed for extensive coordination with various environmental resource agencies at multiple locations in a highly sensitive environmental corridor. 04 SCL 152 R21.8/R35.2 0J800 0414000067 0480K 2019/20 PA&ED 1,375 This project requires additional survey effort that was not accounted for in the Project Initiation Document addition, early coordination with various environmental resource agencies will be required. 04 ALA 13 12.1/13.4 2G482 0415000362 0124L 2018/19 PS&E 765 Additional funding is needed to address recently discovered field conditions that will require additional investigation, coordination, and custom ADA design. 04 SCL 280 14.9 4H880 0413000296 0211Z 2016/17 PS&E 360 Additional funding is needed to perform an environmental/biological evaluation, to consult with resource agencies to relocate a species, and to perform biology monitoring. In addition, a landscape investigation ar analysis is required to determine tree cutting, trimming, replanting, and irrigation for the "screen" trees that separate the freeway from the surrounding community.	04	SCL	152	13.8/14.7	1G870	0400020620	0730F	2016/17	PS&E	730	1,050
O4 SCL 152 0.0/6.2 2A251 0413000402 0483Q 2017/18 PS&E 440 Additional funding is needed for extensive coordination with various environmental resource agencies at multiple locations in a highly sensitive environmental corridor. O4 SCL 152 R21.8/R35.2 0J800 0414000067 0480K 2019/20 PA&ED 1,375 This project requires additional survey effort that was not accounted for in the Project Initiation Document addition, early coordination with various environmental resource agencies will be required. O4 ALA 13 12.1/13.4 2G482 0415000362 0124L 2018/19 PS&E 765 Additional funding is needed to address recently discovered field conditions that will require additional investigation, coordination, and custom ADA design. O4 SCL 280 14.9 4H880 0413000296 0211Z 2016/17 PS&E 360 Additional funding is needed to perform an environmental/biological evaluation, to consult with resource agencies to relocate a species, and to perform biology monitoring. In addition, a landscape investigation are analysis is required to determine tree cutting, trimming, replanting, and irrigation for the "screen" trees that separate the freeway from the surrounding community.	Addit	ional f	unding is	needed to co	ordinate	and finalize ut	tility relo	cation pla	ns, and to cond	duct hazard	ous
Additional funding is needed for extensive coordination with various environmental resource agencies at multiple locations in a highly sensitive environmental corridor. O4 SCL 152 R21.8/R35.2 0J800 0414000067 0480K 2019/20 PA&ED 1,375 This project requires additional survey effort that was not accounted for in the Project Initiation Document addition, early coordination with various environmental resource agencies will be required. O4 ALA 13 12.1/13.4 2G482 0415000362 0124L 2018/19 PS&E 765 Additional funding is needed to address recently discovered field conditions that will require additional investigation, coordination, and custom ADA design. O4 SCL 280 14.9 4H880 0413000296 0211Z 2016/17 PS&E 360 Additional funding is needed to perform an environmental/biological evaluation, to consult with resource agencies to relocate a species, and to perform biology monitoring. In addition, a landscape investigation are analysis is required to determine tree cutting, trimming, replanting, and irrigation for the "screen" trees the separate the freeway from the surrounding community.	mate	rial stu	dies to c	omply with en	vironme	ntal requireme	ents.				
multiple locations in a highly sensitive environmental corridor. 04 SCL 152 R21.8/R35.2 0J800 0414000067 0480K 2019/20 PA&ED 1,375 This project requires additional survey effort that was not accounted for in the Project Initiation Document addition, early coordination with various environmental resource agencies will be required. 04 ALA 13 12.1/13.4 2G482 0415000362 0124L 2018/19 PS&E 765 Additional funding is needed to address recently discovered field conditions that will require additional investigation, coordination, and custom ADA design. 04 SCL 280 14.9 4H880 0413000296 0211Z 2016/17 PS&E 360 Additional funding is needed to perform an environmental/biological evaluation, to consult with resource agencies to relocate a species, and to perform biology monitoring. In addition, a landscape investigation ar analysis is required to determine tree cutting, trimming, replanting, and irrigation for the "screen" trees that separate the freeway from the surrounding community.	04	SCL	152	0.0/6.2	2A251	0413000402	0483Q	2017/18	PS&E	440	750
This project requires additional survey effort that was not accounted for in the Project Initiation Document addition, early coordination with various environmental resource agencies will be required. O4 ALA 13 12.1/13.4 2G482 0415000362 0124L 2018/19 PS&E 765 Additional funding is needed to address recently discovered field conditions that will require additional investigation, coordination, and custom ADA design. O4 SCL 280 14.9 4H880 0413000296 0211Z 2016/17 PS&E 360 Additional funding is needed to perform an environmental/biological evaluation, to consult with resource agencies to relocate a species, and to perform biology monitoring. In addition, a landscape investigation ar analysis is required to determine tree cutting, trimming, replanting, and irrigation for the "screen" trees that separate the freeway from the surrounding community.	Addit	ional f	unding is	needed for ex	ktensive	coordination v	vith vario	ous enviro	nmental resou	rce agencie	s at
This project requires additional survey effort that was not accounted for in the Project Initiation Document addition, early coordination with various environmental resource agencies will be required. O4 ALA 13 12.1/13.4 2G482 0415000362 0124L 2018/19 PS&E 765 Additional funding is needed to address recently discovered field conditions that will require additional investigation, coordination, and custom ADA design. O4 SCL 280 14.9 4H880 0413000296 0211Z 2016/17 PS&E 360 Additional funding is needed to perform an environmental/biological evaluation, to consult with resource agencies to relocate a species, and to perform biology monitoring. In addition, a landscape investigation ar analysis is required to determine tree cutting, trimming, replanting, and irrigation for the "screen" trees that separate the freeway from the surrounding community.	multi _l	ple loc	ations in	a highly sensi	tive envi	ronmental cor	ridor.				
addition, early coordination with various environmental resource agencies will be required. O4 ALA 13 12.1/13.4 2G482 0415000362 0124L 2018/19 PS&E 765 Additional funding is needed to address recently discovered field conditions that will require additional investigation, coordination, and custom ADA design. O4 SCL 280 14.9 4H880 0413000296 0211Z 2016/17 PS&E 360 Additional funding is needed to perform an environmental/biological evaluation, to consult with resource agencies to relocate a species, and to perform biology monitoring. In addition, a landscape investigation ar analysis is required to determine tree cutting, trimming, replanting, and irrigation for the "screen" trees that separate the freeway from the surrounding community.	04	SCL	152	R21.8/R35.2	01800	0414000067	0480K	2019/20	PA&ED	1,375	1,800
04 ALA 13 12.1/13.4 2G482 0415000362 0124L 2018/19 PS&E 765 Additional funding is needed to address recently discovered field conditions that will require additional investigation, coordination, and custom ADA design. 04 SCL 280 14.9 4H880 0413000296 0211Z 2016/17 PS&E 360 Additional funding is needed to perform an environmental/biological evaluation, to consult with resource agencies to relocate a species, and to perform biology monitoring. In addition, a landscape investigation ar analysis is required to determine tree cutting, trimming, replanting, and irrigation for the "screen" trees that separate the freeway from the surrounding community.	This p	roject	requires	additional sui	vey effo	rt that was no	t accoun	ted for in t	he Project Init	iation Docu	ment. In
Additional funding is needed to address recently discovered field conditions that will require additional investigation, coordination, and custom ADA design. O4 SCL 280 14.9 4H880 0413000296 0211Z 2016/17 PS&E 360 Additional funding is needed to perform an environmental/biological evaluation, to consult with resource agencies to relocate a species, and to perform biology monitoring. In addition, a landscape investigation ar analysis is required to determine tree cutting, trimming, replanting, and irrigation for the "screen" trees the separate the freeway from the surrounding community.	additi	ion, ea	rly coord	lination with v	arious er	nvironmental r	esource	agencies v	vill be required	d.	
Additional funding is needed to address recently discovered field conditions that will require additional investigation, coordination, and custom ADA design. O4 SCL 280 14.9 4H880 0413000296 0211Z 2016/17 PS&E 360 Additional funding is needed to perform an environmental/biological evaluation, to consult with resource agencies to relocate a species, and to perform biology monitoring. In addition, a landscape investigation ar analysis is required to determine tree cutting, trimming, replanting, and irrigation for the "screen" trees the separate the freeway from the surrounding community.											
investigation, coordination, and custom ADA design. 04 SCL 280 14.9 4H880 0413000296 0211Z 2016/17 PS&E 360 Additional funding is needed to perform an environmental/biological evaluation, to consult with resource agencies to relocate a species, and to perform biology monitoring. In addition, a landscape investigation are analysis is required to determine tree cutting, trimming, replanting, and irrigation for the "screen" trees the separate the freeway from the surrounding community.	04	ALA	13	12.1/13.4	2G482	0415000362	0124L	2018/19	PS&E	765	1,000
04 SCL 280 14.9 4H880 0413000296 0211Z 2016/17 PS&E 360 Additional funding is needed to perform an environmental/biological evaluation, to consult with resource agencies to relocate a species, and to perform biology monitoring. In addition, a landscape investigation ar analysis is required to determine tree cutting, trimming, replanting, and irrigation for the "screen" trees that separate the freeway from the surrounding community.	Addit	ional f	unding is	needed to ad	dress red	ently discover	ed field	conditions	that will requi	ire addition	al
Additional funding is needed to perform an environmental/biological evaluation, to consult with resource agencies to relocate a species, and to perform biology monitoring. In addition, a landscape investigation ar analysis is required to determine tree cutting, trimming, replanting, and irrigation for the "screen" trees that separate the freeway from the surrounding community.	invest	tigatio	n, coordi	nation, and cu	istom AD	A design.					
agencies to relocate a species, and to perform biology monitoring. In addition, a landscape investigation ar analysis is required to determine tree cutting, trimming, replanting, and irrigation for the "screen" trees that separate the freeway from the surrounding community.	04	SCL	280	14.9	4H880	0413000296	0211Z	2016/17	PS&E	360	1,800
analysis is required to determine tree cutting, trimming, replanting, and irrigation for the "screen" trees that separate the freeway from the surrounding community.	Addit	ional f	unding is	needed to pe	rform an	environmenta	al/biolog	ical evalua	ition, to consul	lt with reso	urce
separate the freeway from the surrounding community.	ageno	cies to	relocate	a species, and	to perfo	rm biology mo	onitoring	. In additi	on, a landscap	e investigat	ion and
	analy:	sis is re	equired t	o determine t	ree cuttii	ng, trimming, i	replantin	g, and irrig	gation for the "	'screen" tre	es that
04 CF VAD VAD 4H7F1 0446000440 04F0C 2046/47 DCCF 4 3F0	separ	ate the	e freewa	y from the sur	rounding	g community.					
04 SF VAR VAR 4H751 0416000119 0158G 2016/17 PS&E 1,250	04	SF	VAR	VAR	4H751	0416000119	0158G	2016/17	PS&E	1,250	3,100
Additional funding is needed due to different site conditions, which will require additional surveys and	Addit	ional f	unding is	needed due t			ı		uire additional	surveys and	
potholing, resolution of utility conflicts, and additional coordination with external agencies.	potho	oling, r	esolution	n of utility con	flicts, and	d additional co	ordinatio	on with ex	ternal agencies	S.	
06 KIN 5 0.0/9.0 0S490 0615000050 6729 2018/19 PA&ED 400	06	KIN	5	0.0/9.0	0S490	0615000050	6729	2018/19	PA&ED	400	650
This project is being accelerated due to rapidly deteriorating pavement conditions. Due to heavy workload	This p	roject	is being	accelerated di	ue to rap	idly deteriorat	ing pave	ment cond	ditions. Due to	heavy wor	kload
among state environmental staff, the environmental studies are being contracted out at a higher cost.	amon	g state	enviror	mental staff, t	the envir	onmental stud	lies are b	eing contr	acted out at a	higher cost	, ,•

Reference No.: 4.8 June 29-30, 2016 Attachment 1 Page 17 of 18 RFPLACEMENT ITEM

								ammed (\$1	,000s)
Dist Co	Route	PM/PM	EA	Project ID	PPNO	FY	Component	Existing	Proposed
06 VAR	R Var	Var	0S610	0614000253	6724	2016/17	PS&E	2,151	2,55
vay needs	being ide	ntified. Desig	n staff ha	ive made and	will cont	inue to ma	investigated a ke numerous f This will incre	field trips to	reassess
07 LA	101	S0.0/1.9	30080	0713000489	4680	2016/17	PS&E	1,346	1,72
of the curb	ramp loc		ed impact	s to right of w	-	-	posed curb ran sting electrica	•	
07 LA	405	28.0/39.0	30780	0714000222	4773	2016/17	PS&E	312	95
07 LA he Projec	101 t Inititatio		30790 did not in	0714000223 clude detailed	analysis	•	PS&E posed curb rar	•	
	-	ations reveale	•	•	ay, utiliti	ies, and exi	sting electrica	l facilities. <i>I</i>	Additional
07 VEN	126	1.0/R8.2	31220	0715000066	4832	2017/18	PA&ED	230	
+ diaa	ما له مسمد	a+ +ba a #i #i #al	1						
solutions li	ike bio-filt	_	proposa es are cur	to construct I rently being c	bio-swale onsidere	es at most d instead o	locations is no of bio-swales.	t feasible. <i>F</i>	Alternate
solutions li	ike bio-filt eotechnic	ration trenche	proposa es are cur dous was	to construct I rently being c	bio-swale onsidere and field	es at most d instead o	locations is no	t feasible. <i>F</i>	Alternate unding is
solutions lineed for good VEN thas been Additional	ike bio-filt eotechnic 33 n decided resources	oration trencher al work, hazar 0/6.3 to install guard s are required	proposa es are cur dous was 30340 drail at 6	I to construct I trently being coste evaluation, 071400006	oio-swale onsidere and field 4697 at were n	es at most d instead of surveys. 2017/18 ot included	locations is no of bio-swales.	t feasible. <i>A</i> Additional f 585 t Initiation [Alternate unding is 1,16 Document
solutions lineed for good VEN that beer Additional	ike bio-filt eotechnic I 33 n decided resources nticipated.	oration trencher al work, hazar 0/6.3 to install guard s are required	proposa es are cur dous was 30340 drail at 6	I to construct I trently being coste evaluation, 071400006	oio-swald onsidere and field 4697 at were nope of wo	es at most d instead of surveys. 2017/18 ot included	locations is no of bio-swales. PS&E d in the Projec	t feasible. <i>A</i> Additional f 585 t Initiation [Alternate unding is 1,16 Document work that
need for good to be solutions lineed for good to be sold to be sol	ike bio-filt eotechnic I 33 In decided resources of a 330 It started t scope, which is scope, which is started to the scope of the sco	o/6.3 to install guards are required R32.4/R33.7 out as a Minor	proposa es are cur dous was 30340 drail at 6 to cover 38852 r A projec d the cost count the	to construct larently being the larently being the larently being larently being the larently being the larently being the larently being construct larently being constructed larently bei	oio-swald onsidere and field 4697 of were no ope of wo 0256C PA&ED p mits of a eady exp	es at most d instead of surveys. 2017/18 oot included ork, and to 2017/18 ohase, it was Minor A p	PS&E d in the Project address struct	t feasible. Additional f 585 t Initiation I ures design 490 add a second	1,169 Document work that 769 d bridge to ment was
oolutions lineed for good ventor good vent	ike bio-filt eotechnic I 33 In decided resources of icipated. I 330 It started to scope, we but did no need to be	oration trencher al work, hazar 0/6.3 to install guards are required R32.4/R33.7 out as a Minor which increased	proposa es are cur dous was 30340 drail at 6: to cover 38852 r A project d the cost count the project in the pr	to construct larently being the larently being the larently being larently being the larently being the larently being the larently being construct larently being constructed larently bei	onsidere and field 4697 of were no 0256C PA&ED parts of a gady expanded.	es at most d instead of surveys. 2017/18 oot included ork, and to 2017/18 ohase, it was Minor A p	PS&E d in the Project address struct PA&ED as decided to a rojects. A SHO	t feasible. Additional f 585 t Initiation I ures design 490 add a second	Alternate funding is 1,16 Document work that disprise to ment was
olutions lineed for growth as been Additional was not ar old SBD This project the project esources on RIV Coordinatisturvey, the consultant	ike bio-filt eotechnic I 33 In decided resources of icipated. I 330 It started to scope, we but did no need to book on with Unit were not start a high	nation trencheral work, hazar 0/6.3 to install guards are required R32.4/R33.7 out as a Minor thich increased take into accept take into accep	proposa es are cur dous was 30340 drail at 6 to cover 38852 r A project the cost count the prin the prin the prin the print the print the print the origin tate staff	to construct I rently being construct I rently being construct I rently being construct I rently being construct I or 1400006 3 locations that this added scott I owner the literature of the literature of the literature of the local programmed at the local programmed at local programmed at local estimate. If Also, during the local programmed at local estimate.	onsidere and field the PA&	es at most d instead of surveys. 2017/18 oot included ork, and to 2017/18 ohase, it was Minor A pended und 2017/18 need for acon, topogra	PS&E d in the Project address struct PA&ED as decided to a rojects. A SHO	t feasible. A Additional for September 1 A project. The September 2,060 es, including equired retains	1,16 Document work that 76 d bridge to ment was nese 3,93 g a tree med by
or VEN thas been Additional was not an OR SBD This project approved I resources OR RIV Coordinati survey, that consultant	ike bio-filt eotechnic I 33 n decided resources of icipated to scope, when the control on with Unit were not at a high from 7,00	nation trencheral work, hazar 0/6.3 to install guards are required R32.4/R33.7 out as a Minor which increased take into accept take into accep	proposa es are cur dous was 30340 drail at 6 to cover 38852 r A project the cost count the prin the prin the prin the prin the prin the prin the origin tate staff o 9,000 line	to construct I crently being construct I crently being construct I crently being construct I construct	onsidere and field the PA& ch requires	2017/18 cot included ork, and to	PS&E d in the Project address struct PA&ED as decided to a rojects. A SHO ler the Minor A PA&ED dditional studing phic surveys we helength of recorded to a	t feasible. A Additional for See Additional for See A Project. The See A project. The See A project. The See A project. The See A project and a second project. The See A project and a project and a project are performed at the see A project and a project. The See A project are a project and a project are a performed at the see A project and a project are a performed at the see A project and a project are a performed at the see A project and a project are a pro	1,16 Document work that ment was nese 3,93 g a tree med by
oneed for good to be a persources O8 SBD This project approved I resources O8 RIV Coordinations are a persources O8 SBD This project approved I resources O8 RIV Coordination and a persources O8 SBD This project approved I resources O8 RIV Coordination and a persources O8 SBD	ike bio-filt eotechnic 33	nation trencheral work, hazar 0/6.3 to install guards are required as a Minor which increased take into accept take included in the accept than so a linear feet to a second accept than so a linear feet to a second accept than so a second accept than accept than a second accept that a second accept t	proposa es are cur dous was 30340 drail at 6 to cover 38852 A project the cost count the printhe prin	to construct I crently being construct I crently being construct I crently being construct I construct	onsidere and field 4697 at were nope of word 10256C PA&ED parmount. O050P fied the In addition the PA&Ch require 10242K	es at most d instead of surveys. 2017/18 10t included ork, and to cork, and to cork, and to cork and to cork and to cork at the cork at	PS&E d in the Project address struct PA&ED as decided to a projects. A SHO ler the Minor A PA&ED dditional studion phic surveys with length of reservers.	t feasible. A Additional for September 1 Additional for September 2 Additional for September 2 Additional for September 2 Additional for September 3 Additio	1,16 Document work that d bridge t ment was nese 3,93 g a tree med by sining wal

Support resources are needed to address the increased workload.

Reference No.: 4.8 June 29-30, 2016 Attachment 1 Page 18 of 18 REPLACEMENT ITEM

								Programmed (\$1,000s)			
Dist	Со	Route	PM/PM	EA	Project ID	PPNO	FY	Component	Existing	Proposed	
08	SBD	2	2.4	0H470	0812000074	0127J	2017/18	PS&E	611	878	
During the early stages of the PS&E phase it was determined that the bridge that is proposed to be widened also											
requires seismic retrofit. The additional design effort was not anticipated in the original estimate.											
10	MER	140	0.0/42.1	0Y110	1013000108	3018	2017/18	PA&ED	819	1,442	
To address environmental impacts due to mitigation and archeological assessments, a detailed survey is											
required at every location, which increased the cost of the PA&ED phase.											
10	TUO	108	26.4/34.4	0Y800	1015000007	3137	2018/19	PA&ED	460	750	
Additional resources are needed to study several alternatives at seven slide locations, and to coordinate with											
the United States Forest Service regarding proposed easements.											
10	TUO	120	48.8/50.5	07790	1015000006	3136	2018/19	PA&ED	327	650	
			•				, -		0-/		
	A recent field visit determined that the original scope would remove an emergency road. To avoid removing the emergency road, a new alternative was developed that would impact United States Forest Service land. This will										
require extensive coordination and negotiation, which will increase the PA&ED cost.											
require extensive coordination and negotiation, which will increase the Fride Cost.											
12	ORA	39	0.0	0H270	1200000211	210/	2016/17	PS&E	EFO	925	
12			9.9	0H270		3184	2016/17		550	825	
	Due to recent identification of utility conflicts and the addition of sidewalks that were not identified in the										
Proje	Project Initiation Document, the cost of the PS&E phase has increased.										