California State Transportation Agency

Memorandum

To: CHAIR AND COMMISSIONERS CALIFORNIA TRANSPORTATION COMMISSION

TAB 69

CTC Meeting: June

ng: June 29-30, 2016

Reference No.: 4.8 – *REPLACEMENT ITEM* Action Item

From: NORMA ORTEGA Chief Financial Officer

Prepared by:

Bruce De Terra, Chief Division of Transportation Programming

Subject: <u>AMENDMENTS TO PROJECTS IN THE 2016 SHOPP APPROVED UNDER</u> <u>RESOLUTION G-16-14</u> <u>RESOLUTION G-16-22</u>, <u>AMENDING RESOLUTION G-16-14</u>

<u>RECOMMENDATION:</u>

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.

| Component | No. | FY 2016-17 (\$1,000s) | FY 2017-18 (\$1,000s) | FY 2018-19 (\$1,000s) | FY 2019-20 (\$1,000s) | Total (\$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

| | | | | | | | | 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 | - | reased |
| 01 | LAK | 29 | 28.5/31.6 | 29811 | 0114000043 | 3099 | 2017/18 | PA&ED | 500 | 4,000 |
| throu to fin deter impac The p envire | gh a 20 alize th mined cts to t ropose onmen | 007 draft he enviro that a pa hree enc ed addition tal studi | circulation. In nmental docu artial recircula langered plant onal support w | t was ass ment. H tion of th species vill cover each, cou the PA& | umed that the owever, short ne DED was ne and (2) the eli the cost for th ordination, an | e \$500,00 ly after t eeded be minatior nis enviro d suppor | 00 program he project cause of no n of vernal ponmental e | nt (DED) milest nmed for PA&E was programme w information pool areas. Effort, including n. In addition, PA&ED | ED would be ned in 2014 n on (1) adv g updating | e sufficient , it was erse |
| Asses chem negot soil sa inves habit | sment icals ar tiations amples tigatior at area | for shall nd bridge s with th on priva n, the alt s. Also, a | led with the D ow soil and gr e painting and e California Co ate property, r ernatives anal additional staff | epartme oundwat related a bastal Con egarding ysis for s f time wi | nt of Toxic Sub er impacts res activities. In ac mmission and the jurisdictio election of dri | ostances sulting fro ddition, 1 Mendoc on bound Il sites an or respor | Control or om leachin the Depart ino County ary detern nd on the a nding to or | Preliminary E of wood tim ment has enco obtaining per nination affect analysis of envi ogoing commu | ndangerme ber treatme buntered ler mits to ente on the geo ironmentall | nt ent ngthy er to gather technical y sensitive |
| 01 | HUM | 254 | 6.8/42.1 | 10050 | 0100000158 | 2270 | 2017/18 | PA&ED | 266 | 513 |
| | | | | | | | - | ntal studies an | | |
| analy | ze and | | mpacts to Gia | | | | | d. These new | | |
| 01 | MEN | 1 | 48.0/62.1 | 43480 | 010000672 | 4507 | 2017/18 | PA&ED | 1,790 | 3,392 |
| not o with i upgra impao | riginall regulat ide anc | y addres ory ager I seismic mitigati | sed in initial A icies on a full r retrofit. In ac | dvance F ange of a Idition, c | Planning Study alternatives fo onsultation wi | . As a res r replace ith regula | sult, extens ement of th atory agen | s to analyze se sive ongoing co ne bridge versu cies on tempo e alternatives | onsultation us bridge wi rary and pe | is needed dening, rail rmanent |

| | | | | | | | Progr | ammed (\$1 | 000s) |
|--|---|--|---|--|--|---|---|--|---|
| 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 |
| Completion longer than in this sens Regulatory to answer. 01 MEN Geotechnic phase to ex required by are being d | 271 271 271 271 271 271 271 271 271 271 | nvironmental s sly anticipated ronmental set are also asking 17.7/18.0 gations have b verall project o latory agencie to identify ba | studies a , due to t ting with g additio 0A840 een com lelivery t s than ou t species | nd consultatio the complexitio in the Coastal nal unexpecter 0113000058 pleted and the imeline. Howe riginally expect | ns with r es involv Zone an d questio 4545 e prelimi ver, mor ted whe | esource and ed in stagi d over the ons that with 2017/18 nary struct re extensiv n project w | PA&ED nd regulatory a ng and constru Wild and Scen ill require addi PA&ED tures design ha e environment vas programme and evaluate v | agencies wil acting the ne ic Smith Riv tional time 644 as begun in tal analyses ed. Task Orc | l take ew bridge er. and effort 1,588 the PA&ED are being der memos |
| compliance | with the | regulatory ag | encies. | | | | | | |
| 01 MEN | 162 | 16.1 | 0B550 | 0112000137 | 4555 | 2016/17 | PS&E | 1,485 | 1,865 |
| earlier duri support res 01 MEN The identifi environmer was also mo performed. | ng projec ources be 253 cation of ntal consi ore exten . These ac | t development eing required a <u>1.5/1.8</u> Naturally Occ deration and r sive than initia dditional studie | t. These as this sto OB560 urring As resources ally antic es, in con | site character orm damage p 0112000138 bestos at the p s than originall ipated and as a nbination with | istics ide roject ev 4556 project lo y anticip a result, the rem | ntified late volved. 2016/17 ocation rec vated. The required m note locatio | PA&ED PA&ED quired addition area and magn nore technical on, resulted in ents were mad | to additiona 59 hal design ar hitude of the studies to b higher supp | al Design 319 nd e landslide e port costs. |
| 01 MEN | 253 | 1.5/1.8 | 0B560 | 0112000138 | 4556 | 2016/17 | PS&E | 177 | 1,320 |
| The identifi design, stru the landslid | cation of Ictural de les were a | Naturally Occ sign and envir | urring As onmenta ensive tha project. | bestos at the p al resources the an initially anti | project lo an origin icipated | ocation rec ally anticip and as a re | quired additior pated. The area sult, required | a and magni additional r | nical, itude of esources |
| 01 DN | 199 | 33.4 | | 0112000287 | | 2017/18 | PA&ED | 158 | |
| work neede (or account | ed to deal ed for in | l with water su support resou | ipply issurces) at t | ies and the ne | ed for a grammi | new powe ng. It is no | ironmental an er source; issue w known that vell. | es that were | not known |

| | | | | | | | | 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 |
| histori this sat roadwa resour elevate permit 02 Archec | cal an fety p ay aw ces fo ed env ts requ LAS blogica | d would roject or ay from r geotec vironmen uired for 36 al artifac | require signifi a schedule, the it. In order to hnical drilling ntal document drainage syste 6.1/14.3 | cantly m e project avoid thi and eva , based c em work 4E460 rered wit | ore time for Si team decided s particular wa luations. Addi on coordinatio 0200020287 hin the projec | tate Histo to avoid all, the pr tional su n with th <u>3468</u> t limits ro | oric Preser I this histor roject will pport resc ne Departn 2017/18 equiring ac | oved as it could vation Officer rical resource b require a new ources are need nent of Fish an PA&ED dditional enviro | coordinatio by realigning wall and su ded to provi d Wildlife ro 1,100 pnmental st | n. To keep g the oport ide an egarding 1,650 udies. |
| | MOD | 299 | / | | 0212000072 | 3484 | 2017/18 | PA&ED soils, the prov | 610 | 1,820 |
| geotec | chnica | l drilling | would be perf | ormed b | | lowever | - | . In addition, i lack of availabl | | |
| 02 | LAS | 36 | 7.2/7.4 | 4F560 | 0213000006 | 3512 | 2017/18 | PA&ED | 600 | 1,500 |
| prelim | - | | | vironme | | order to | - | studies are re ackwater cond PA&ED | • • | itional 1,592 |
| | | | are required | to prepa | re a higher lev | el enviro | nmental d | ocument than nmental servio | originally p | |
| 02 | SIS | 263 | 57.1/ | 2E480 | 020000586 | 3424 | 2017/18 | PA&ED | 1,800 | 2,700 |
| neede | d for t | he envir | onmental doc | ument. I | In addition the | design o | change fro | A&ED phase to m a box girder cost of the pro | structure t | |
| 02 | SIS | 96 | 23.2/56.0 | 4C150 | 0213000132 | 3314 | 2017/18 | PA&ED | 500 | 1,200 |
| within studies | the Ti s will b | ribal Lan pe perfo | ds of the Karu | k Tribe, o Iltants, w | cultural studies | s will be | necessary | e agencies. As at each locatio ime of prograr | n. The cult | ural |

| | | | | | | | | Progra | ammed (\$1 | ,000s) |
|----------|---------|------------|------------------|------------|------------------|------------|--------------|-------------------------------------|------------------|--------------|
| Dist | Со | 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 culv | /erts v | will be re | placed utilizin | ig trench | less technolog | y. Newl | y written g | uidelines requ | ire geotech | nical |
| boring | s at th | iese loca | tions to chara | cterize tl | he soil propert | ies adeq | uately for | both proper se | election of c | ulvert |
| materia | al and | l to prov | ide adequate i | informat | ion in the cont | tract reg | arding soil | properties. Th | iese guideli | nes were |
| not in p | place | when th | e project was | program | med, therefor | e, geote | chnical dril | ling was not re | esourced in | the initial |
| work p | lan. | | | | | | | | | |
| 02 | SHA | 299 | 7.6/18.3 | 3E740 | 0200020160 | 3456 | 2019/20 | PA&ED | 3,480 | 4,200 |
| As the | numb | er of po | tential archeo | logical a | nd biological ir | npacts h | ave signifi | cantly increase | d, additiona | al biologica |
| and are | cheolo | ogical co | nsultants are i | needed t | o perform env | vironmer | ital studies | | | |
| 02 | PLU | 70 | 14.9 | 1C750 | 020000080 | 3208 | 2016/17 | PS&E | 1,460 | 1,820 |
| | | | | | | | - | ements consist | , | |
| | | | | | | | | n, and changes | | |
| • | • | | - | • | • | • | • | design efforts | | |
| | ,, | | | C | | , | | 0 | | |
| 02 | TRI | 36 | 26.7/27.1 | 4F860 | 0213000043 | 3526 | 2017/18 | PA&ED | 970 | 1,420 |
| | | | - | | | | | &ED instead o | | |
| reduce | | - | na geoteennie | ui suppo | | errormee | | | | |
| | YOL | 80 | 2.4/R11.3 | 15220 | 0300001109 | 6701 | 2018/19 | PA&ED | 100 | 734 |
| | | | • | | | | | the assumption | | |
| - | - | - | | | • • | | | ired. Howeve | - | |
| | | | | | | | | s absorbing rai | | |
| | | | | | | | | al lane be prov | | |
| | • | - | - | - | - | | | ocations per th | - | |
| | | | n an increase i | | | in propo | seu ramp i | ocations per ti | le current i | ampmeter |
| policy | 110310 | Suiteu ii | i all'illease il | ii suppoi | 1 00313. | | | | | |
| 02 | 646 | 100 | 20.0/ | 25000 | 0212000056 | 5022 | 2017/10 | | 405 | 4 204 |
| | SAC | 160 | 20.9/ | | 0312000056 | | 2017/18 | PA&ED | 4 05 | 4,381 |
| | | | | | | | | mation about | | |
| | | | | | | | | made with the | | |
| | | | | | - | • | | e scope could b chnical drilling | | - |
| • | | | | | • | • | • | | • | • |
| - | | | buted to the in | | | lired lice | nse to ann | l in Sacramento | o and San J | oaquin |
| Countin | es also | | | luleaseu | COSI. | | | | | |
| | | | | | | | | | | |
| 03 | SAC | 99 | 4.9/ | 3F540 | 0313000136 | 6916 | 2017/18 | PA&ED | 298 | 872 |
| | ease | to PA&E | D is needed to | | | | | at Lagoon Cree | k Bridges. | |
| | NEV | 80 | 19.0/19.4 | - | 0313000239 | | 2018/19 | PA&ED | <u>е</u> | 801 |
| | | | - | | | | | osts such that | | |
| • | - | | ajor project. | ject, but | ucsign change | .s nave li | ici caseu U | USIS SUCH LIIDL | | |
| PIUSIA | milet | | ijoi project. | | | | | | | |

| | | | | | | | | Progra | ammed (\$1 | ,000s) |
|-------------------------|--------------------------|------------------------------|---------------------------------|------------------------------------|---|------------------------------------|---|---|--------------------------------|-------------------------|
| Dist | Со | 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 |
| | | | as a minor pro ajor project. | ject, but | design change | es have ir | ncreased c | osts such that | it needs to l | be |
| 04 | ALA | 80 | / | 01411 | 0414000436 | 0064Q | 2016/17 | PS&E | 1,500 | 5,000 |
| | | | due to unanti I review proce | - | | | | rith a water tra es. | insmission li | ne, a |
| 04 | ALA | 84 | 13.0/13.6 | 16030 | 0400000429 | 0084B | 2017/18 | PA&ED | 4,000 | 6,500 |
| corric | dor and | extensi | | on the dr | aft EIR/CE, it v | was reco | mmended | view of project in May 2015 t eview. | - | |
| 04 | ALA | 84 | 13.0/13.6 | | 0400000429 | | | PS&E | 5,000 | 6,000 |
| bat h | abitat i | n the br | | d to impl | ement staging | g to minii | mize const | ntal impacts (s ruction impact | | |
| 04 | SON | 1 | 15.1/15.8 | 0A020 | 040000129 | 0748E | 2017/18 | PA&ED | 6,500 | 8,000 |
| reque | ested b | y the co | | ocal stak | eholders; and | 4. Addit | ional coor | onal Public Info dination with (/EA | | - |
| 04 | SOL | 84 | 12.1/12.2 | 0G660 | 040000343 | 0886 | 2018/19 | PA&ED | 1,836 | 3,000 |
| The a | dditior | al cost i | • | | | | | chnical assess | | |
| incluc | de valu | e analys | | ise study | and bathyme | tric surve | - | nal analysis an | | |
| 04 | SF | 1 | 6.0/ | 1A905 | 0414000340 | 1067C | 2017/18 | PA&ED | 650 | 1,020 |
| | | | - | | | | | ommission to o ment with the | | |
| 04 | SM | 82 | 13.7/ | 1G020 | 0400002011 | 0686 | 2016/17 | PA&ED | 846 | 2,900 |
| south PA&E of the | ibound D. The DED. | CA-82 (18-mor The cos | El Camino Real | l) to east pilot stu impleme | bound Floribu dy is in respor nt pilot study, | nda Aver nse to sig review a | nue before nificant pu and update | mporarily proh caltrans proc ublic comment previous PA& proposed. | eeds with fin s following o | nalizing circulation |
| 1 | | | | | | | | | | |

| | | | | | | | | 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 |
| City's | comm | erce dep | ost is needed f partment to inf truction. | | - | | | | | - |
| - | | - | | 10010 | 0.4000000004.6 | 07005 | 2047/40 | | 4.40 | |
| 04 | SON | 116 | 26.6/26.9 | | 0400020616 | | | | 140 | 590 |
| - | - | | nount is not su r different utili | | - | needed 4 | 21 parcels | from business | owners, and | 0 to |
| 04 | SON | 1 | 22.5/ | 1J750 | 0414000348 | 1481A | 2017/18 | PA&ED | 280 | 551 |
| Additi | ional s | upport c | ost is needed f | for coord | lination with t | he Depai | rtment of F | Parks and Recr | eation, Coas | stal |
| Comm | nission | , and So | noma County t | that was | not originally | anticipat | ed. In add | lition, an unan | ticipated tas | sk order for |
| a biol | ogist is | now ree | quired. | | | | | | | |
| 04 | MRN | 1 | 2.2/ | 1SS58 | 0412000635 | 0312T | 2016/17 | PS&E | 400 | 1,300 |
| The p | roject | was rede | esigned to repl | ace the | concrete barri | er with a | metal bea | m guardrail to | avoid confl | ict with a |
| propo | osed dr | ainage s | ystem. The ch | ange reo | quired rework | of retain | ing wall fo | undation desig | ın. | |
| 04 | SON | 1 | 24.3/24.4 | 2J540 | 0414000527 | 1485P | 2017/18 | PA&ED | 780 | 1,200 |
| Additi | ional s | upport c | ost is needed f | for coord | lination with t | he Depai | rtment of F | Parks and Recr | eation. Coas | |
| Comm | nission | • • | noma County t | | | - | | | | |
| 04 | NAP | 121 | 20.5/20.7 | 2J570 | 0414000530 | 1485Q | 2017/18 | PA&ED | 372 | 600 |
| | | - | fort and field v ons, staging, a | | - | | he environ | mental impact | s and costs | due to |
| 04 | CC | 4 | 48.1/48.3 | 2J590 | 0414000535 | 1484C | 2017/18 | PA&ED | 334 | 894 |
| PA&E | D was | not adeo | quately budget | ted to ev | aluate the fou | r alterna | tives ident | ified. | | |
| 04 | SF | 101 | 2.0/ | 3G620 | 0412000141 | 0587D | 2017/18 | PA&ED | 2,400 | 4,000 |
| traffic | : impac | cts at the | ded for additio critical 101/2 design alterna | 80 Junct itives, co | ion in San Frar nstructability, | ncisco. Co and sche | onsultants edules. | & construction | - | |
| 04 | SCL | 9 | 4.9/ | 3G630 | 0412000409 | 0386F | 2017/18 | PA&ED | 1,200 | 2,800 |
| Since | Sarato | ga Creel | < Bridge is over | r a 100 y | ears old and el | ligible fo | r National | Register of His | toric Places | and |
| Califo expan | rnia Re Ided to | egister o six to a | f Historical Res ddress potenti ommunities, C | sources, al impac | the two altern ts to natural fe | atives in eatures o | the Projec of the area, | t Initiation Do , local business | cument hav | e been |
| 04 | SF | 1 | R0.0/R6.9 | 4C130 | 0400001180 | 0585E | 2017/18 | PA&ED | 294 | 800 |
| Due to | | | | | | | | | | |

| | | | | | | | | Progra | ammed (\$1 | ,000s) |
|--------|----------|------------|------------------|------------|------------------|------------|-------------|-------------------|------------------|-------------|
| Dist | Со | 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 | end considering | g the compl | exity and |
| scope | e of the | project | at time of pro | grammin | g. The increas | se is due | to additio | nal field reviev | vs, environr | nental |
| studi | es, and | address | ing communit | y conceri | 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 | inge from | n a culvert rep | lacemen | t to constr | ucting a single | span bridge | e over a |
| creek | . Ther | efore, ac | ditional enviro | 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 envirc | onmental field | surveys | now requi | red and staff le | earning new | 1 |
| round | dabout | design s | 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 | r adding | high priori | ity fish passage | e locations i | nto the |
| scope | e 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 |
| The r | | s deliver | , | | | | | required addit | | rces from |
| the v | arious f | function | al units Addit | ional sur | vevs were also | needed | to nrenar | e drainage des | ign and gra | ding plans |
| | | | | | - | | | ify the need fo | | |
| 101 11 | 5010 | | | | on Document | (112) and | notracifi | ing the need to | | |
| 04 | CC | 4 | 0.0/T31.5 | 4G980 | 0413000122 | 0481D | 2016/17 | PA&ED | 330 | 950 |
| The p | roject | team de | termined that | the Proje | ect Initiation D | ocumen | t did not a | ccount for add | litional effo | rts to |
| - | - | | | - | | | | ive field site in | | |
| the m | nainten | ance vel | hicle pullout (N | VVP) and | l gore location | s, and co | ordinatior | n with mainten | ance staff | to relocate |
| sever | al MVP | locatio | ns to avoid imp | pacts to e | environmental | ly sensiti | ve areas. / | Additional wor | k was also r | not |
| | | | - | • | • | • | | nent (BA) to be | | |
| | | | | since hal | f of the projec | t is locat | ed within o | close proximity | to occurre | nces of |
| enda | ngered | species. | | | | | | | | |
| 04 | SON | 12 | 25.8/33.3 | 4H050 | 0413000080 | 0269M | 2017/18 | PA&ED | 1,000 | 1,519 |
| The r | esourc | e agency | rejected the | placemer | nt of rock slope | e protect | ion along | a creek. There | fore, additi | onal |
| suppo | ort cost | ts are ne | eded to prepa | re new d | esign strategy | , gather | additional | survey inform | ation 400 fe | et |
| upstr | eam ar | nd down | stream along o | creek. | | | | | | |
| 04 | NAP | 29 | 13.5/25.5 | 4H200 | 0413000258 | 0378E | 2016/17 | PA&ED | 510 | 1,500 |
| There | e are se | nsitive h | nistoric and pre | ehistoric | cultural resou | rces with | in the pro | ject limits whic | ch need to b | be studied |
| and e | valuate | ed and w | vere not accou | inted for | in the Project | Initiatior | n Documer | nt. | | |
| 04 | SM | 1 | 37.9/R48.0 | 4H210 | 0413000140 | 0636S | 2016/17 | PA&ED | 500 | 1,400 |
| Due t | o disco | overy of | protected spec | cies, addi | tional support | is neede | ed for envi | ronmental stu | dies. | - |
| | | | | | | | | | | |

| | | | | | | | | 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 |
| | | | s needed to ad | | - | | | | | |
| | | | o perform des | ign mod | ifications, reso | lve utilit | y conflicts, | , and revise the | e traffic con | trol plans |
| based | d on the | ose com | ments. | | | | | | | |
| 04 | ALA | 880 | 11.9/27.5 | 4H580 | 0413000162 | 0483W | 2016/17 | PS&E | 2,700 | 5,200 |
| This F | Project | requires | additional fiel | d inspec | tions in respor | nse to les | ssons learr | ned on other g | uardrail and | curb ramp |
| | | | to minimize ut | - | | during o | constructio | on. Also, there | is an increa | se due to |
| scope | e refine | ement ar | nd coordination | ו with ot | her projects. | | | | | |
| 04 | SCL | 152 | 6.1/R35.2 | 4H860 | 0413000292 | 0487N | 2016/17 | PA&ED | 108 | 457 |
| | - | | nmed PA&ED b | - | | | | | | |
| | | a highly | sensitive envir | onmenta | al corridor. The | e cost ind | crease was | due to additio | onal environ | mental |
| studi | 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 U | Jnion Pacific T | ransport | Company | (UPTC) negoti | ations. | |
| 05 | SLO | 1 | 32.6/32.6 | 0L721 | 0515000097 | 0072 | 2017/18 | PA&ED | 972 | 1,424 |
| Techr | nical st | 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 | nical st | udies, in | cluding archae | ological | site testing, re | quired m | nore effort | than originally | / scoped. | |
| 05 | SLO | 58 | 3.1/ | 0L723 | 0515000099 | 0072B | 2017/18 | PA&ED | 973 | 1,419 |
| Techr | nical st | udies wi | ll require more | | | | | fficulty getting | rights of en | - |
| | | | in the project l | | · | - | | | 0 | |
| 05 | MON | 68 | L4.0/R18.1 | 0N190 | 0513000142 | 4019 | 2016/17 | PS&E | 480 | 787 |
| | | | due to numero | | | | | | | |
| | | | ions of the pro | | | ,, | | | , 1 | |
| 05 | SCR | 1 | 10.2/17.5 | 1C850 | 0512000240 | 2432 | 2017/18 | PA&ED | 147 | 606 |
| Forty | -seven | curb rar | nps were loose | | | | | | , additional | |
| | | | I design hours | | | | | | | |
| requi | rement | ts. | - | | - | | | | - | |
| 06 | FRE | 168 | R0.0/R11.7 | 0E350 | 0612000136 | 1772 | 2016/17 | PS&E | 411 | 830 |
| | | | added to the | | | | | | at are prese | |
| | | | reas to the top | | | | | | | - |
| | | | | | | | | | | |
| 06 | TUL | 201 | / | 0H200 | 0612000157 | 6521 | 2016/17 | PS&E | 2,905 | 3,900 |
| | | | , e was needed t | | | | | | | |
| - | | | the project de | • | | | - | - | | |
| Ĺ | | , | | - | | | | | | |

| | | | | | | | ſ | Progra | 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 | overrur | n the progr | amed budget. | The projec | t proposes |
| a rou | ndaboı | ut, which | n is a relatively | new cor | cept in the dis | strict. Th | erefore, a | dditional resou | irces were r | needed to |
| get th | ne proj | ect staff | educated on t | he round | about design | features | . Furtherm | ore the design | of the roun | dabout |
| went | throug | gh many | iterations befo | ore it was | acceptable to | o reviewe | ers. | | | |
| 06 | KER | 58 | R55.4/R59.7 | 0S470 | 0615000048 | 6730 | 2016/17 | PA&ED | 616 | 966 |
| Due t | o an ei | nvironme | ental change o | f scope, | from having to | obtain a | a Letter of | Concurrence f | rom USFWS | to |
| needi | ing for | mal cons | ultation and a | Draft En | vironmental D | ocumen | t and Draft | Project Repor | t for the pro | oject, the |
| PA&E | D supp | oort cost | increased. | | | | | | | |
| 06 | MAD | 41 | 36.3/40.8 | 0R160 | 0614000043 | 6716 | 2017/18 | PA&ED | 397 | 600 |
| Due t | o the r | need to p | prepare right o | f way en | gineering map | ping, in t | this compo | nent as oppos | ed to PS&E, | to keep |
| | | | ule, the PA&E | | | | · | | | |
| 06 | TUL | 198 | R11.7/R19.7 | 0S340 | 0614000114 | 3034 | 2016/17 | PS&E | 1,040 | 1,525 |
| | | | | | | | , , | ne scope that in | , | - |
| | | | | | | | | tional surveys | | - |
| | | the new | | 0 | | | | | | |
| 07 | LA | 1 | 1.0/ | 27540 | 0700000520 | 4165 | 2017/18 | PA&ED | 1,075 | 3,438 |
| The P | AED su | upport in | crease is due t | to the ad | ditional reviev | v needeo | to select | the appropriat | e alternativ | e. Since |
| the ex | xisting | bridge w | as originally c | onstruct | ed 60 years ag | o, the pr | oject team | will need to e | xtensively e | explore the |
| alterr | natives | of eithe | r retrofitting o | r replacii | ng the bridge. | Additior | nal studies | now include th | ne necessar | y utility |
| reloca | ation a | lternativ | es, the impact | from the | e expected me | an sea le | evel rise an | d other enviro | nmental stu | |
| | | | alue analysis a | | cycle analysis | are need | | usto the slter | | udies for |
| | | | | | | | | | | |
| displa | cemer | ht and lic | | | | effective. | The bridge | e service loadii | ng, seismic | |
| | | | | | | effective. | The bridge | | ng, seismic | |
| | | | | | | effective. | The bridge | e service loadii | ng, seismic | |
| 07 | LA | 1 | | | | effective. | The bridge | e service loadii | ng, seismic | |
| - | | 1 | uefaction will 7.7/9.2 | also be i 28670 | nvestigated to 0700020923 | effective. assist in 4387 | The bridge selecting 2016/17 | e service loadii an alternative. | ng, seismic 5,000 | help 6,101 |
| - | upport | 1 | uefaction will 7.7/9.2 | also be i 28670 | nvestigated to 0700020923 | effective. assist in 4387 | The bridge selecting 2016/17 | e service loadii an alternative. PS&E | ng, seismic 5,000 | help 6,101 |
| The s | upport | 1 | uefaction will 7.7/9.2 | also be i 28670 posed loo | nvestigated to 0700020923 | effective. assist in 4387 | The bridge selecting 2016/17 | e service loadii an alternative. PS&E | ng, seismic 5,000 | help 6,101 |
| The s locati 07 | upport on. LA | 1 increase | uefaction will 7.7/9.2 e is due to pro 4.0/8.4 | also be i 28670 posed loo 28990 | nvestigated to 0700020923 cations being a 0712000015 | effective. assist in 4387 added an 4485 | The bridge selecting 2016/17 d deleted 2016/17 | e service loadii an alternative. PS&E based on field | ng, seismic 5,000 conditions a 300 | help 6,101 at each 836 |
| The s locati 07 The s | upport on. LA upport | 1 increase 19 increase | uefaction will 7.7/9.2 e is due to pro 4.0/8.4 | also be i 28670 posed loo 28990 ope char | nvestigated to 0700020923 cations being a 0712000015 nge and inclusi | effective. assist in 4387 added an 4485 on of uti | The bridge selecting 2016/17 d deleted 2016/17 lity relocat | e service loadin an alternative. PS&E based on field PA&ED cions for upgra | ng, seismic 5,000 conditions a 300 | help 6,101 at each 836 |
| The s locati 07 The s sidew | upport on. LA upport /alks. T | 1 increase 19 increase he Proje | uefaction will 7.7/9.2 e is due to pro 4.0/8.4 e is due to a so ct Initiation Do | also be i 28670 posed loo 28990 ope char ocument | nvestigated to 0700020923 cations being a 0712000015 nge and inclusi did not anticip | effective. assist in 4387 added an 4485 on of uti pate any | The bridge selecting 2016/17 d deleted 2016/17 lity relocat relocation | e service loadii an alternative. PS&E based on field PA&ED cions for upgra of utilities. | ng, seismic 5,000 conditions a 300 ding curb ra | help 6,101 at each 836 imps and |
| The s locati 07 The s sidew 07 | upport on. LA upport valks. T LA | 1 increase increase he Proje 101 | uefaction will 7.7/9.2 e is due to pro 4.0/8.4 e is due to a so ct Initiation Do 30.9/38.1 | also be i 28670 posed loo 28990 ope char ocument 29110 | nvestigated to 0700020923 cations being a 0712000015 nge and inclusi did not anticip 0712000068 | effective. assist in 4387 added an 4485 on of uti pate any 4493 | The bridge selecting 2016/17 d deleted 2016/17 lity relocat relocation 2016/17 | e service loadin an alternative. PS&E based on field PA&ED cions for upgra of utilities. PA&ED | ng, seismic <u>5,000</u> conditions a 300 ding curb ra 200 | help 6,101 at each 836 Imps and 616 |
| The s locati 07 The s sidew 07 The ir | upport on. LA upport valks. T LA | 1 increase increase he Proje 101 e in PA& | uefaction will 7.7/9.2 e is due to pro 4.0/8.4 e is due to a sc ct Initiation Do 30.9/38.1 ED support cos | also be i 28670 posed loo 28990 ope char ocument 29110 st is due | nvestigated to 0700020923 cations being a 0712000015 nge and inclusi did not anticip 0712000068 to surveys, uti | effective. assist in 4387 added an 4485 on of uti pate any 4493 lities, and | The bridge selecting 2016/17 d deleted 2016/17 lity relocat relocation 2016/17 d electrical | e service loadii an alternative. PS&E based on field PA&ED cions for upgra of utilities. | ng, seismic 5,000 conditions a 300 ding curb ra 200 rere determ | help 6,101 at each 836 imps and 616 ined to be |
| The s locati 07 The s sidew 07 The ir neede | upport on. LA upport valks. T LA ncrease ed and | 1 increase increase he Proje 101 e in PA&I were nc | uefaction will 7.7/9.2 e is due to pro 4.0/8.4 e is due to a sc ct Initiation Do 30.9/38.1 ED support cos | also be i 28670 posed loo 28990 ope char ocument 29110 st is due f | nvestigated to 0700020923 cations being a 0712000015 nge and inclusi did not anticip 0712000068 to surveys, util in the Project | effective. assist in 4387 added an 4485 on of uti bate any 4493 lities, and Initiatio | The bridge selecting 2016/17 d deleted 2016/17 lity relocat relocation 2016/17 d electrical n Documer | e service loadin an alternative. PS&E based on field PA&ED cions for upgra of utilities. PA&ED work which w | ng, seismic 5,000 conditions a 300 ding curb ra 200 rere determ : has 36 loca | help 6,101 at each 836 imps and 616 ined to be ations and |
| The s locati 07 The s sidew 07 The ir neede many | upport on. LA upport valks. T LA ncrease ed and v of the | 1 increase increase he Proje 101 e in PA&I were nc m are fa | uefaction will 7.7/9.2 e is due to pro 4.0/8.4 e is due to a so ct Initiation Do 30.9/38.1 ED support cos ot originally an r and scattere | also be i 28670 posed loo 28990 ope char ocument 29110 st is due ticipated d on Rou | nvestigated to 0700020923 cations being a 0712000015 nge and inclusi did not anticip 0712000068 to surveys, util in the Project te 101 in Los A | effective. assist in 4387 added an 4485 on of uti bate any 4493 lities, and Initiatio | The bridge selecting 2016/17 d deleted 2016/17 lity relocat relocation 2016/17 d electrical n Document and Ventur | e service loadin an alternative. PS&E based on field PA&ED tions for upgra of utilities. PA&ED work which w nt. This project | ng, seismic 5,000 conditions a 300 ding curb ra 200 rere determ rere determ has 36 loca ich contribu | help 6,101 at each 836 Imps and ined to be ations and uted to |
| The s locati 07 The s sidew 07 The ir neede many highe | upport on. LA upport valks. T LA ncrease ed and r of the r surve | 1 increase increase he Proje 101 e in PA&I were nc m are fa ey and de | 7.7/9.2 a is due to pro 4.0/8.4 a is due to a sc ct Initiation Do 30.9/38.1 ED support cost at originally and r and scattere esign cost. Als | also be i 28670 posed loo 28990 ope char ocument 29110 st is due ticipated d on Rou o the rele | nvestigated to 0700020923 cations being a 0712000015 nge and inclusi did not anticip 0712000068 to surveys, util in the Project te 101 in Los <i>A</i> pocation of elec | effective. assist in 4387 added an 4485 on of uti bate any 4493 lities, and Initiatio Angeles a ctrical bo | The bridge selecting 2016/17 d deleted 2016/17 lity relocat relocation 2016/17 d electrical n Documen and Ventur xes, cabine | e service loadin an alternative. PS&E based on field PA&ED cions for upgra of utilities. PA&ED work which w nt. This project a Counties, wh | ng, seismic 5,000 conditions a 300 ding curb ra 200 rere determ rere determ rere determ chas 36 loca has 36 loca has 36 loca has 36 loca | help 6,101 at each 836 mps and 616 ined to be ations and uted to eet lighting |

| Programmed (\$1,000s)DistCoRoutePM/PMEAProject IDPPNOFYComponentExistingProposec07VEN337.6/2913007120008344962016/17PA&ED2501,644The support cost has increased due to the very environmentally sensitive nature of the project. TheEnvironmental Planning team, based on resource agency requirements, has requested 65% of the design detailsBuring the environmental phase in order to be able to conduct their work. In addition, some right of way supporcitcivities are needed to obtain the necessary permits to allow the Geotechnical team to conduct investigations07LA156.5/56.92914007120009444982017/18PA&ED7382,342Ouring the PA&ED phase, a longer bridge alternative was introduced to the environmental studies to address thisk that the Coastal Commission may require a longer bridge to accommodate fish passage and restoration ofhe lagoon next to the bridge.07LA525.7/29230071200010945052016/17PA&ED4401,100'he cost increase is due to the complexity of environmental permits, a bike detour, and studying the possibilityof closing the ramp during construction.07LA516.1/17.029640071300003145942016/17PS&E6991,544opecific locations were not identified in the Project Initiation Document.However, during the design phase, thedentification of specific locations during the design phase require |
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| The support cost has increased due to the very environmentally sensitive nature of the project. TheEnvironmental Planning team, based on resource agency requirements, has requested 65% of the design detailsduring the environmental phase in order to be able to conduct their work. In addition, some right of way supporactivities are needed to obtain the necessary permits to allow the Geotechnical team to conduct investigations07LA156.5/56.929140071200009444982017/18PA&ED7382,342During the PA&ED phase, a longer bridge alternative was introduced to the environmental studies to address thisk that the Coastal Commission may require a longer bridge to accommodate fish passage and restoration ofhe lagoon next to the bridge.07LA507LA507LA507LA508071200010945052016/17PA&ED14401,100The cost increase is due to the complexity of environmental permits, a bike detour, and studying the possibilityof closing the ramp during construction.071300003107LA507LA516.1/17.029640071300003145942016/17PS&E6991,544closing the ramp during the design phase required multiple field reviews, extensive as-built platecesearch, utility impact assessment, and safety coordination.The identified locations will also require additiona07LA10 |
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| During the PA&ED phase, a longer bridge alternative was introduced to the environmental studies to address thDuring the PA&ED phase, a longer bridge alternative was introduced to the environmental studies to address thisk that the Coastal Commission may require a longer bridge to accommodate fish passage and restoration ofhe lagoon next to the bridge.07 LA 5 25.7/ 29230 0712000109 4505 2016/17 PA&ED 140 1,100The cost increase is due to the complexity of environmental permits, a bike detour, and studying the possibility of closing the ramp during construction.07 LA 5 16.1/17.0 29640 0713000031 4594 2016/17 PS&E 699 1,544Geoge file locations were not identified in the Project Initiation Document. However, during the design phase, the dentification of specific locations during the design phase required multiple field reviews, extensive as-built play esearch, utility impact assessment, and safety coordination. The identified locations will also require additiona effort by electrical design staff that was not accounted for in the original estimate.07 LA 10 R14.0/19.0 29660 0713000057 4599 2016/17 RW Sup 30 550OT LA 10 R14.0/19.0 29660 0713000057 4599 2016/17 RW Sup 30 550Commune of different railroad lines and the acquisition of the support cost increase is due to coordination with a number of different railroad lines and the acquisition of number of different parcels. The proposal to install catwalks to better accommodate Maintenance staff may |
| isk that the Coastal Commission may require a longer bridge to accommodate fish passage and restoration of he lagoon next to the bridge. 07 LA 5 25.7/ 29230 0712000109 4505 2016/17 PA&ED 1440 1,100 The cost increase is due to the complexity of environmental permits, a bike detour, and studying the possibility of closing the ramp during construction. 07 LA 5 16.1/17.0 29640 0713000031 4594 2016/17 PS&E 699 1,540 Specific locations were not identified in the Project Initiation Document. However, during the design phase, the dentification of specific locations during the design phase required multiple field reviews, extensive as-built plane research, utility impact assessment, and safety coordination. The identified locations will also require additiona effort by electrical design staff that was not accounted for in the original estimate. 07 LA 10 R14.0/19.0 29660 0713000057 4599 2016/17 RW Sup 30 550 The support cost increase is due to coordination with a number of different railroad lines and the acquisition of number of different parcels. The proposal to install catwalks to better accommodate Maintenance staff may |
| he lagoon next to the bridge.07LA525.7/29230071200010945052016/17PA&ED1401,100The cost increase is due to the complexity of environmental permits, a bike detour, and studying the possibility of closing the ramp during construction.07LA516.1/17.029640071300003145942016/17PS&E6991,540O7LA516.1/17.029640071300003145942016/17PS&E6991,540O7LA516.1/17.029640071300003145942016/17PS&E6991,540Specific locations were not identified in the Project Initiation Document. However, during the design phase, the dentification of specific locations during the design phase required multiple field reviews, extensive as-built plane esearch, utility impact assessment, and safety coordination. The identified locations will also require additional effort by electrical design staff that was not accounted for in the original estimate.07LA10R14.0/19.029660071300005745992016/17RW Sup30550The support cost increase is due to coordination with a number of different railroad lines and the acquisition of number of different parcels. The proposal to install catwalks to better accommodate Maintenance staff may |
| 07LA525.7/29230071200010945052016/17PA&ED1401,100The cost increase is due to the complexity of environmental permits, a bike detour, and studying the possibility of closing the ramp during construction.07LA516.1/17.029640071300003145942016/17PS&E69991,54007LA516.1/17.029640071300003145942016/17PS&E69991,5406pecific locations were not identified in the Project Initiation Document. However, during the design phase, the dentification of specific locations during the design phase required multiple field reviews, extensive as-built plan esearch, utility impact assessment, and safety coordination. The identified locations will also require additional effort by electrical design staff that was not accounted for in the original estimate.3055007LA10R14.0/19.029660071300005745992016/17RW Sup30550The support cost increase is due to coordination with a number of different railroad lines and the acquisition of number of different parcels. The proposal to install catwalks to better accommodate Maintenance staff may |
| The cost increase is due to the complexity of environmental permits, a bike detour, and studying the possibilityO7LA516.1/17.029640071300003145942016/17PS&E6991,544O7LA516.1/17.029640071300003145942016/17PS&E6991,544O7LA516.1/17.029640071300003145942016/17PS&E6991,544O7LA516.1/17.029640071300003145942016/17PS&E6991,544Specific locations were not identified in the Project Initiation Document. However, during the design phase, the dentification of specific locations during the design phase required multiple field reviews, extensive as-built plane esearch, utility impact assessment, and safety coordination. The identified locations will also require additional effort by electrical design staff that was not accounted for in the original estimate.07LA10R14.0/19.029660071300005745992016/17RW Sup30550The support cost increase is due to coordination with a number of different railroad lines and the acquisition of number of different parcels. The proposal to install catwalks to better accommodate Maintenance staff may |
| of closing the ramp during construction.07LA516.1/17.029640071300003145942016/17PS&E6991,544Specific locations were not identified in the Project Initiation Document. However, during the design phase, the dentification of specific locations during the design phase required multiple field reviews, extensive as-built plane esearch, utility impact assessment, and safety coordination. The identified locations will also require additional effort by electrical design staff that was not accounted for in the original estimate.07LA10R14.0/19.029660071300005745992016/17RW Sup3055607LA10R14.0/19.029660071300005745992016/17RW Sup30556The support cost increase is due to coordination with a number of different railroad lines and the acquisition of number of different parcels. The proposal to install catwalks to better accommodate Maintenance staff may |
| 07LA516.1/17.029640071300003145942016/17PS&E6991,544Specific locations were not identified in the Project Initiation Document. However, during the design phase, the dentification of specific locations during the design phase required multiple field reviews, extensive as-built plane esearch, utility impact assessment, and safety coordination. The identified locations will also require additional effort by electrical design staff that was not accounted for in the original estimate.07LA10R14.0/19.029660071300005745992016/17RW Sup30550The support cost increase is due to coordination with a number of different railroad lines and the acquisition of number of different parcels. The proposal to install catwalks to better accommodate Maintenance staff may |
| Specific locations were not identified in the Project Initiation Document. However, during the design phase, the dentification of specific locations during the design phase required multiple field reviews, extensive as-built place esearch, utility impact assessment, and safety coordination. The identified locations will also require additional effort by electrical design staff that was not accounted for in the original estimate.07LA10R14.0/19.029660071300005745992016/17RW Sup3055007LA10R14.0/19.029660071300005745992016/17RW Sup30550The support cost increase is due to coordination with a number of different railroad lines and the acquisition of number of different parcels. The proposal to install catwalks to better accommodate Maintenance staff may |
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| dentification of specific locations during the design phase required multiple field reviews, extensive as-built platedentification of specific locations during the design phase required multiple field reviews, extensive as-built platedescent, utility impact assessment, and safety coordination. The identified locations will also require additionaleffort by electrical design staff that was not accounted for in the original estimate.07LA10R14.0/19.029660071300005745992016/172016/17RW Sup30550The support cost increase is due to coordination with a number of different railroad lines and the acquisition ofnumber of different parcels. The proposal to install catwalks to better accommodate Maintenance staff may |
| esearch, utility impact assessment, and safety coordination. The identified locations will also require additional effort by electrical design staff that was not accounted for in the original estimate. 07 LA 10 R14.0/19.0 29660 0713000057 4599 2016/17 RW Sup 30 550 for the support cost increase is due to coordination with a number of different railroad lines and the acquisition of number of different parcels. The proposal to install catwalks to better accommodate Maintenance staff may |
| effort by electrical design staff that was not accounted for in the original estimate. 07 LA 10 R14.0/19.0 29660 0713000057 4599 2016/17 RW Sup 30 550 The support cost increase is due to coordination with a number of different railroad lines and the acquisition of number of different parcels. The proposal to install catwalks to better accommodate Maintenance staff may |
| he support cost increase is due to coordination with a number of different railroad lines and the acquisition of number of different parcels. The proposal to install catwalks to better accommodate Maintenance staff may |
| he support cost increase is due to coordination with a number of different railroad lines and the acquisition of number of different parcels. The proposal to install catwalks to better accommodate Maintenance staff may |
| number of different parcels. The proposal to install catwalks to better accommodate Maintenance staff may |
| equire new agreements with the railroad companies to be prepared. There is also a possibility that the right of |
| |
| vay acquisitions may involve the condemnation process. The proposed painting work will also require set-up |
| reas which will affect various parking facilities located beneath the structure to be painted. |
| |
| 07 LA 110 23.6/30.0 29750 0713000194 4617 2016/17 PA&ED 363 89 |
| he original programmed support cost was based on having a Categorical Exemption for Environmental |
| Clearance. However, because this project is located in a historical area, an Environmental Impact Statement or |
| Environmental Assessment Report EIS/EA is now necessary. |
| 07 LA 1 3.5/ 29910 0713000302 4632 2016/17 PA&ED 89 473 |
| The Los Alamitos Traffic Circle has been identified as a potential historic property, which requires a thorough |
| tudy to be in compliance with Section 106 of the National Historic Preservation Act. Reports are required on |
| both the built environment and archaeology of the traffic circle. After preliminary background research, it was |
| ound that the traffic circle is potentially historically significant, as one of the first traffic circles (if not the first) |
| ouilt in the state. The Traffic Circle will likely be eligible for listing in the National Register of Historic Places, |
| which means potential effects of the project to the historic property must be considered. |
| |
| 07 LA 60 R3.2/11.8 30110 0714000009 4699 2017/18 PA&ED 75 1,17 |
| |
| Nork that would typically be done during the PS&E phase was done during the PA&ED phase. |

| | | | | | | | | 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 o | riginal | estimate | e assumed exis | sting surv | vey data could | be used | . Upon fur | ther investigat | tion, it was | |
| deter | mined | that the | old survey dat | ta was in | complete and | inadequ | ate. There | efore, new surv | veys are req | uired. In |
| additi | on, th | e origina | l estimate did | not acco | unt for right o | f way im | pacts relat | ed to curb ran | nps. | |
| | | | | | | | | | | |
| 07 | LA | 10 | 2.1/18.4 | 30150 | 0714000020 | 4700 | 2017/18 | PS&E | 2,387 | 7,462 |
| Addit | ional f | ield worl | is required to | perform | n surveys, coor | dinate r | ight of way | needs and to | address util | ity |
| confli | cts. | | | | | | | | | |
| 07 | LA | 187 | 3.5/8.9 | 30300 | 0713000493 | 4691 | 2017/18 | PS&E | 700 | 3,631 |
| I | | - | • | | | | | er, during the F | | |
| | - | | | | - | | | o, it was deter | - | |
| | - | | f way acquisiti | | | | umps. 745 | o, it was acter | | icie would |
| | | | | | • | | 2017/10 | | 020 | 1 220 |
| 07 | LA | 138 | 46.7/50.0 | | 0714000219 | | 2017/18 | PS&E | 828 | 1,329 |
| | | | | | | | | e existing nons | | |
| | | | | | | | | underestimate | | oad |
| | | • | estigations, fie | eld surve | ys, research o | rexisting | g right of w | ay, and draina | ge systems | |
| modii | icatio | ns. | | | | | | | | |
| 07 | LA | 605 | R15.5/R19.5 | 30770 | 0714000221 | 4772 | 2016/17 | PS&E | 164 | 637 |
| The p | roject | was prog | grammed with | limited f | field data and | the assu | mption tha | at utility conflic | cts and right | of way |
| requi | remen | ts would | be minimal. | During th | e PS&E phase | it was de | etermined | that utility cor | nflicts and ri | ght of way |
| requi | remen | ts will be | significant. | | | | | | | |
| 07 | LA | 14 | R25.5/R35.0 | 31230 | 0715000063 | 4833 | 2017/18 | PA&ED | 270 | 1,310 |
| The p | roject | was prog | grammed with | limited f | field data. Add | ditional r | esources a | nd needed to | perform fiel | d surveys |
| and ir | nspecti | ions at ea | ach of location | | | | | | | |
| 07 | LA | 5 | R81.8/R87.8 | 31250 | 0715000065 | 4835 | 2017/18 | PA&ED | 900 | 1,545 |
| The o | riginal | proposa | - | | | tions is r | | due to the no | n-existence | |
| | - | | | | | | | tion trenches | | |
| - | | | | | | | | t of geotechni | | |
| more | drillin | g is invol | ved in the desi | ign of the | e biofiltration t | tranches | at each lo | cation. Also th | e Hazardous | s Waste |
| | | - | reased due to | - | | | | | | |
| 07 | LA | 5 | R75.0/R81.8 | 31260 | 0715000067 | 4836 | 2017/18 | PA&ED | 950 | 1,498 |
| | _ / ` | - | | | | | , | e due to the no | | - |
| | | | | | | | | ition trenches | | |
| - | | | | | | | | st of geotechni | | |
| | | | | - | | | | cation. Also th | | |
| | | | reased due to | | | | | | | |
| | | | | | | | | | | |
| 07 | LA | 14 | 35.0/R53.5 | | 0715000069 | 4838 | 2017/18 | PA&ED | 240 | 1,310 |
| | - | | | | ield data. Add | ditional r | esources a | nd needed to | perform fiel | d surveys |
| and ir | nspecti | ions at ea | ach of location | | | | | | | |
| | | | | | | | | | | |

| _ | | | | | | | | 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 | The support cost increased due to additional storm water treatment locations needed and having to produce a | | | | | | | | | |
| full fl | full fledged Storm Water Pollution Prevention Plan instead of a Short Form that had been planned based on the | | | | | | | | | |
| origir | original scope of work. | | | | | | | | | |
| 08 | RIV | 74 | 17.5/25.7 | 1E070 | 0813000141 | 0054K | 2016/17 | PA&ED | 295 | 584 |
| | | | | | | | | ' plans (i.e. roa | | |
| | - | | | | - | - | | n. The decision | - | |
| | | | | | | | | ule substantia | | |
| | | | | | | • | | PA&ED phase. | | ion, some |
| | e work | lial is li | | ne in the | PSQE priase is | being u | one in the | PAQED phase. | | |
| | | | | | | | | | | |
| 08 | SBD | 60 | 0.9/2.9 | 0F030 | 0800020358 | 0033E | 2017/18 | PA&ED | 1,013 | 2,243 |
| The e | nviron | mental o | locument was | originall | y anticipated a | ns an IS/C | CE, but is n | ow an IS/EA. | As a result, a | additional |
| resou | irces w | ill be use | ed in the PA&E | D phase | to also do des | ign work | | | | |
| 08 | SBD | 10 | R36.9/R39.1 | 0K293 | 0812000100 | 01630 | 2017/18 | PS&E | 1,246 | 2,290 |
| | | | | | | | | s rehabilitation | , | - |
| | - | | | | - | | | the westbound | | |
| - | | | , additional re | - | | | | the westbound | | |
| _ | | | | | | | | - | | |
| 08 | RIV | 60 | R6.9/R12.2 | | 0812000108 | | | PA&ED | 215 | 849 |
| | | | | | | | | s additional de | | as well as |
| the ic | lentific | ation of | right of way re | equireme | ents, utility cor | nflicts, ar | id environi | mental impact | 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 we | ork has b | een much mo | re compl | icated tha | n anticipated. | There are 1 | 17 curb |
| | | | - | | | - | | h. Much of the | | |
| - | | - | | | | | | ves. It has beer | - | ous and |
| | | | | | - | | - | re not planned | - | |
| | | U | | | | | | · | • | |
| 08 | SBD | 62 | 41.0/41.5 | 1E610 | 0814000055 | 0225K | 2017/18 | PA&ED | 690 | 1,117 |
| | | - | 1 | | | | - | preseen issues | | |
| | - | | | - | | | | | | - |
| | | | | | | | - | o they can revi | | |
| | | | •• | | | • | • | scriptive Right | • | |
| | | | | | | | | te investigation | | |
| | | | | | | - | | herefore, addi | | |
| | | - | - | • | | | - | the pavement | | |
| | | • | • | | | • | • | et from the ed | • . | |
| | | I. This re | quired sending | g a surve | y crew to the p | project lo | ocation aga | ain, which requ | ured additio | onal |
| resou | irces. | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | | | | | | 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 | The reason for the increase was due to delays in PA&ED because of unanticipated non-resourced historic survey. | | | | | | | | | oric surveys |
| that v | that were required as part of the environmental process. Surveying work was also underestimated and included | | | | | | | | | |
| consu | Iltants | to comp | lete. PA&ED v | vas also | delayed for un | anticipa | 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 | d re-assess | ed by Geotech | nical, Struct | ures |
| Desig | n, and | Environ | mental branch | es. Cons | equently, sup | port cost | will increa | ase. Moreover | , existing m | etal beam |
| guard | rail ne | eeds to b | e replaced an | d tempoi | rary constructi | on easei | ments may | need to be ac | quired. | |
| 10 | SJ | VAR | / | 0P550 | 1012000055 | 0338 | 2017/18 | PA&ED | 900 | 1,224 |
| The ir | ncrease | e in PA& | ED cost is due | to a scop | e change. | | | | | |
| 10 | SJ | VAR | / | 0P550 | 1012000055 | 0338 | 2017/18 | PS&E | 2,000 | 3,928 |
| The ir | ncrease | e in PS&I | E cost is due to | a scope | change. | | | | | |
| 10 | MER | 5 | 0.4/0.9 | 0W620 | 1012000020 | 3008 | 2017/18 | PA&ED | 121 | 362 |
| The r | ecomm | nended a | alternative for | this proj | ect is to build a | a recycle | wastewat | er treatment s | ystem simila | ar to the |
| pilot | wastev | vater sys | tem currently | under co | onstruction at | the Duni | nigan rest a | area in District | 3. The Proj | ect Report |
| identi | fied th | ie need a | and recommer | nded the | wastewater sy | /stem at | this rest ar | rea be similar t | o the Dunn | igan rest |
| area. | | | | | | | | | | |
| 10 | STA | 5 | 27.0/27.5 | 0W630 | 1012000021 | 3009 | 2016/17 | PS&E | 592 | 854 |
| The ir | ncrease | e in supp | ort cost for PS | &E phas | e is due to the | unfores | een compl | exity in design | work when | the |
| | | | | - | | | - | need to addre | | |
| . 0 | | 0 | | 1 / | | | | | | , |
| 10 | SJ | 12 | 14.9/18.1 | 0Y550 | 1013000239 | 3079 | 2016/17 | PS&E | 150 | 495 |
| | ort cos | | | | | | | several key tea | m member | |
| | | | the estimate. | | | | | | | |
| 10 | STA | 99 | R0.0/R24.8 | 1C290 | 1014000108 | 3088 | 2017/18 | PA&ED | 765 | 1 224 |
| - | - | | | | | | - | | | 1,224 |
| | - | | | | | | | ved in designin | • | • |
| | | | rs will allow to | r the pro | per design and | a review | of each of | these location | is along with | n the on- |
| | | p work. | | | | | | | | |
| 12 | ORA | 90 | 0.61/7.95 | | 1213000036 | | 2016/17 | PS&E | 2,605 | 3,126 |
| | • | | | - | | | | ject limits at 9 | | |
| - | | | • | | • | | | of these prope | | |
| | | | | | | | | quired to minir | | - |
| | - | | | - | | | | uction of the p | - | |
| - | | - | - | - | | - | | l utilities such | - | |
| | | | - | | - | | | driveways req | - | - |
| paver | s to m | atch exis | sting at adjace | nt busine | ess districts and | d others | require ad | ditional unant | icipated wo | rk due to |
| adjac | ent ste | ep slope | es to match ad | jacent bu | isiness proper | ties. | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| _ | | | | | | | | Progra | ammed (\$1 | ,000s) |
|---------|---|------------|-------------------|------------|------------------|-------------|-------------|--------------------|------------------|-----------|
| Dist | Со | 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 | One of the three bridge locations identified for seismic retrofit is now being considered for a bridge | | | | | | | | | |
| repla | replacement. The studies required to determine if a retrofit can be completed without a replacement have | | | | | | | | | |
| resul | resulted in more expenditures in this phase. The team is now also investigating the historical designation of the | | | | | | | | | |
| bridg | bridge. | | | | | | | | | |
| 01 | VAR | 101 | 3.7/39.8 | 0C590 | 0113000013 | 7011 | 2016/17 | PS&E | 415 | 670 |
| This រួ | guardra | il upgra | de project invo | olves mul | tiple highways | s and cou | unties. Vai | rying regulator | y juridistion | s will |
| requi | re mor | e techni | cal study coord | dination | than originally | estimate | ed, which | will result in m | ore field vis | its over |
| wide | spread | location | s. This has als | o increas | ed the amoun | t 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 | j. |
| Poth | oling wi | 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 | e detaile | ed analy | sis of biologica | l, wetlan | d, and hazard | ous mate | erials impa | cts is required | ; | |
| | | - | - | | | | - | d and Californi | | |
| | | | pated in earlie | | | • | | | | |
| 01 | HUM | 101 | 110.6/113.8 | 0B420 | 0112000126 | 2340 | 2016/17 | PS&E | 1,020 | 1,500 |
| The c | original | mitigati | on strategy wa | is to purc | chase mitigation | on credit | s under a r | nitigation banl | < developed | by a |
| sepai | rate pro | oject. A | fter the PA&EI | ר phase ע | was completed | d, it was o | discovered | I 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 |
| | | | | Additio | nal support fui | nds are n | needed for | an increased e | effort in dev | elopment |
| of the | e mitiga | ation page | ckage. | | | | | | | |
| 02 | LAS | 36 | 22.4/R29.4 | 4F990 | 0213000057 | 3529 | 2016/17 | PA&ED | 450 | 1,400 |
| The F | Project | Initiatior | n Document as | sumed t | hat 45 of the 9 | 0 existin | g curb ran | nps were comp | oliant. It wa | as later |
| | - | | | | | | • | eet current AD | | |
| | | | | - | - | • - | | ldings and min | | |
| | | | | | • | | | itilizing bulb-ou | | |
| | | | - | - | | - | - | ike lanes, and | - | |
| move | ements | . In addi | tion, a traffic s | study wa | s needed as pa | art of the | analysis. | | | |
| | | | | | | | - | | | |
| | | | | | | | | | | |

| | | | | | | | | 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 |
| Due t | o the l | ack of su | rvey data duri | ng the p | roject initiatior | n phase, | a low reso | lution digital e | levation mo | del was |
| used | to esti | mate the | e length of the | propose | d bridge at 350 |) feet, w | hich mean | t that the plan | ned truck cl | imbing |
| lane v | would | end befo | re the bridge. | After de | tailed studies | conduct | ed during t | the PA&ED pha | ase, it was d | etermined |
| that t | he brio | dge need | ls to be 750 fee | et long. | In addition, the | e traffic | operations | study perform | ned during t | he PA&ED |
| phase | e requi | res the t | ruck climbing l | ane to b | e extended acı | oss the | bridge. Th | ese changes re | esulted in ar | alyzing |
| more | altern | atives th | an anticipated | . While | performing the | e cultura | l resources | s excavations, | numerous u | nexpected |
| | | | | | | | • | vill require mor | | |
| | • | | - | - | - | - | | reports, obtain | | |
| | | storic Pro | eservation Offi | icer, and | finalize techni | cal studi | es. As a re | esult, additiona | al PA&ED su | oport is |
| need | ed. | | | | | | | | | |
| | | | | | | | | | | |
| 03 | PLA | 80 | 41.4/42.2 | 3F480 | 0313000017 | 5103 | 2016/17 | PS&E | 430 | 730 |
| | | | - | | | | | ystem with a 3 | | |
| - | - | | • | | - | | | d by digging in | - | |
| | | | | | | | | of both shallow | | |
| | - | | | | | | | he pond desig | | - |
| - | | | | - | • | - | - | ne geotechnica | - | |
| | sign co | | , above Broan | | | o une me | | le geoteennied | | |
| | Ũ | | | | | | | - | | |
| 03 | ED | 50 | 67.3/67.3 | | 0313000135 | | 2017/18 | | 624 | 2,000 |
| | | - | | - | | | - | tial impact to I | | |
| | - | | - | - | • • • | - | - | lete the enviro | | |
| | | | - | - | | - | | Impacts Due to | | |
| | | | | | | | | the time need | ed to keep t | ne project |
| on sc | hedule | . Theref | ore foundation | h drilling | will be contra | cted out | at a highe | r cost. | | |
| | | | | | | | | | | |
| 03 | SUT | 20 | 5.0/11.3 | 1A920 | 0300020608 | 8132 | 2017/18 | PA&ED | 850 | 2,000 |
| In the | e Proje | ct Initiati | on Document | it was as | sumed that eig | ght parc | els would b | be needed. A d | complete pa | rcel count |
| now s | shows | a need fo | or 28 parcels. | In additi | on, wetlands tl | nat were | not appar | rent during dev | velopment c | f the PID, |
| at the | e heigh | t of the o | drought, are no | ow appa | rent. The new | ly identi | fied wetlar | nds will require | additional | studies |
| and d | lesign v | work to r | ninimize impa | cts. | | | | | | |
| 04 | ALA | 580 | R30 8/R/1 5 | 27010 | 0412000131 | 01354 | 2017/18 | PA&ED | 1,121 | 1,400 |
| | | | | | | | | cument is now | , | |
| | | | t of the PA&ED | | | Ject IIII | | unient is now | required. I | |
| | | | | | 0400020145 | 02450 | 2017/10 | | 2 400 | 2 200 |
| 04 | MRN | | 24.7 | 4S780 | 0400020145 | | | PS&E | 2,400 | 3,200 |
| | - | - | a multiple rede | esigns to | address regula | itory age | encies' con | cerns, which ir | icreased the | COST OF |
| the P | S&E ph | lase. | | | | | | | | |
| 04 | MRN | 101 | 0.0/4.0 | 3G210 | 0412000027 | 2119Q | 2016/17 | PS&E | 360 | 650 |
| Multi | ple cur | b ramp l | ocations requi | re coord | ination with se | everal ex | ternal age | ncies. Additio | nal effort is | required |
| to de | termin | e right o | f way requiren | nents. | | | | | | |
| | | | | | | | | | | |

| | | | | | | | | Progra | ammed (\$1, | ,000s) |
|-----------------|----------------------|-----------------------|---|------------------------------------|---|------------------------|--------------|------------------|------------------|----------------|
| Dist | Со | Route | PM/PM | EA | Project ID | PPNO | FY | Component | Existing | Proposed |
| 04 | SON | 101 | R33.5/R43.4 | 4G480 | 0412000490 | 0780G | 2016/17 | PS&E | 450 | 700 |
| | | | s needed to ad ty companies. | dress ele | ectrical system | s that we | ere not ide | ntified in the F | PA&ED phas | e, and to |
| 04 | SOL | 80 | 13.9 | 3G690 | 0412000153 | 8315N | 2017/18 | PA&ED | 850 | 1,200 |
| Addit | ional f | unding is | needed to de | velop a T | raffic Manage | ment Pla | an, provide | e public outrea | ch, coordina | ate public |
| meeti | - | | ess potential tr | - | | | | | | |
| 04 | NAP | 121 | 0.7 | | 0412000310 | | | PA&ED | 1,350 | 1,750 |
| | | - | needed to co agencies' req | | - | encies an | d prepare | the fish passa | ge profile ar | nd cross |
| 04 | NAP | 128 | R7.4 | 1G430 | 0412000126 | 0587H | 2016/17 | PS&E | 1,050 | 2,200 |
| finaliz | ze utilit | ty reloca | r conflicts will r tions plans, rig | ht of wa | y acquisition, a | and envii | ronmental | re-evaluation. | | |
| 04 | SCL | 152 | 13.8/14.7 | | 0400020620 | 0730F | 2016/17 | PS&E | 730 | 1,050 |
| | | - | needed to co | | | - | cation plai | ns, and to cond | duct hazardo | ous |
| mate | rial stu | dies to c | omply with en | vironme | ntal requireme | ents. | | | | |
| 04 | SCL | 152 | 0.0/6.2 | 2A251 | 0413000402 | 0483Q | 2017/18 | PS&E | 440 | 750 |
| | | - | a highly sensit | | | | ous enviror | nmental resou | rce agencies | s at |
| 04 | SCL | 152 | R21.8/R35.2 | 00810 | 0414000067 | 0480K | 2019/20 | PA&ED | 1,375 | 1,800 |
| - | - | - | additional sur lination with v | - | | | | - | | ment. In |
| 04 | ALA | 13 | 12.1/13.4 | 2G482 | 0415000362 | 0124L | 2018/19 | PS&E | 765 | 1,000 |
| | | - | needed to ad nation, and cu | | - | ed field | conditions | that will requi | re additiona | al |
| 04 | SCL | 280 | 14.9 | 4H880 | 0413000296 | 0211Z | 2016/17 | PS&E | 360 | 1,800 |
| ageno analy: | cies to sis is re | relocate equired t | s needed to pe a species, and to determine to y from the sur | rform an to perfo ree cuttii | environmenta orm biology mo ng, trimming, r | al/biolog onitoring | . In additio | on, a landscap | e investigati | urce on and |
| 04 | SF | VAR | VAR | 4H751 | 0416000119 | 0158G | 2016/17 | PS&E | 1,250 | 3,100 |
| | | - | needed due t of utility conf | | | | - | | - | 1 |
| 06 | KIN | 5 | 0.0/9.0 | 0S490 | 0615000050 | 6729 | 2018/19 | PA&ED | 400 | 650 |
| This p | roject | is being | accelerated du imental staff, t | ue to rap | idly deteriorat | ing pave | ment cond | litions. Due to | heavy wor | kload |

| | | | | | | | | Progr | ammed (\$1, | 000s) |
|--|--|------------|------------------|-------------|-----------------|-------------|--------------|------------------|------------------|-------------|
| Dist | Со | Route | PM/PM | EA | Project ID | PPNO | FY | Component | Existing | Proposed |
| 06 | VAR | Var | Var | 0S610 | 0614000253 | 6724 | 2016/17 | PS&E | 2,151 | 2,550 |
| This wire theft project is constantly evolving, with numerous locations being investigated and additional right of | | | | | | | | | | |
| | way needs being identified. Design staff have made and will continue to make numerous field trips to reassess | | | | | | | | | |
| | the project conditions and adjust the design and right of way requirements. This will increase the cost of the | | | | | | | | | |
| PS&E | phase | • | | | | | | | | |
| 07 | LA | 101 | S0.0/1.9 | 30080 | 0713000489 | 4680 | 2016/17 | PS&E | 1,346 | 1,726 |
| The P | roject | Inititatio | n Document d | id not in | clude detailed | analysis | of the pro | posed curb ra | mp locations | 6. A review |
| | | - | ations reveale | - | - | ay, utiliti | es, and exi | isting electrica | I facilities. A | dditional |
| PS&E | resoui | rces are | needed to add | ress thes | e impacts. | | | | | |
| 07 | LA | 405 | 28.0/39.0 | 30780 | 0714000222 | 4773 | 2016/17 | PS&E | 312 | 953 |
| The P | roject | Inititatio | n Document d | lid not in | clude detailed | analysis | of the pro | posed curb ra | mp locations | 6. A review |
| of the | e curb i | ramp loc | ations reveale | d impact | s to right of w | ay, utiliti | es, and exi | isting electrica | I facilities. A | Additional |
| PS&E | resou | rces are | needed to add | ress thes | e impacts. | | | | | |
| 07 | LA | 101 | 1.8/8.4 | 30790 | 0714000223 | 4774 | 2016/17 | PS&E | 280 | 941 |
| The P | roject | Inititatio | n Document d | lid not in | clude detailed | analysis | of the pro | posed curb ra | mp locations | 6. A review |
| | | • | ations reveale | • | • | ay, utiliti | es, and exi | isting electrica | I facilities. A | dditional |
| PS&E | resou | rces are | needed to add | ress thes | e impacts. | | | | | |
| 07 | VEN | 126 | 1.0/R8.2 | 31220 | 0715000066 | 4832 | 2017/18 | PA&ED | 230 | 460 |
| It was | s disco | vered th | at the original | proposa | to construct k | oio-swale | es at most | locations is no | t feasible. A | lternate |
| soluti | ons lik | e bio-filt | ration trenche | s are cur | rently being co | onsidere | d instead o | of bio-swales. | Additional f | unding is |
| need | for geo | otechnic | al work, hazaro | dous was | te evaluation, | and field | d surveys. | | | |
| 07 | VEN | 33 | 0/6.3 | 30340 | 0714000006 | 4697 | 2017/18 | PS&E | 585 | 1,165 |
| It has | been | decided | to install guard | drail at 63 | 3 locations tha | t were n | ot include | d in the Projec | t Initiation D | ocument. |
| Addit | ional r | esources | are required | to cover | this added sco | pe of wo | ork, and to | address struct | ures design | work that |
| was r | ot ant | icipated. | | | | | | | | |
| 08 | SBD | 330 | R32.4/R33.7 | 38852 | 0812000124 | 0256C | 2017/18 | PA&ED | 490 | 767 |
| This p | roject | started | out as a Minor | A projec | t. During the | PA&ED p | hase, it wa | as decided to a | add a second | d bridge to |
| the p | roject s | scope, w | hich increased | the cost | beyond the li | mits of a | Minor A p | rojects. A SHO | OPP amendr | nent was |
| appro | oved bu | ut did no | t take into acc | ount the | resources alre | eady exp | ended und | ler the Minor / | A project. Th | ese |
| resou | rces n | eed to be | e accounted fo | r in the p | programmed a | mount. | | | | |
| 08 | RIV | 74 | 0.0/5.8 | 1C850 | 0813000047 | 0050P | 2017/18 | PA&ED | 2,060 | 3,934 |
| | linatio | n with U | nited States Fo | | | | | | es, including | - |
| | | | t included in t | | | | | | - | |
| | • | | ner cost than st | - | | | • • | | - | - |
| increa | ased fr | om 7,00 | 0 linear feet to | 9,000 lii | near feet, whic | h requir | es additior | nal design effo | rt. | _ |
| | | | | | | | | | | |
| 08 | SBD | 142 | 3.8/5.7 | 0L710 | 080000431 | 0242K | 2017/18 | RW Sup | 135 | 940 |
| | | lopment | of the Project | | | | | • | orary constr | uction |
| | | | e required. Mo | | | | | | | |
| requi | re fee t | takes. It | is also expected | ed that s | ome condemn | ations w | ill be requi | ired. Addition | al Right of W | /ay |
| Supp | ort res | ources a | re needed to a | ddress tl | ne increased w | vorkload | | | | |
| | | | | | | | | | | |

| | | | | | | | | Progra | ammed (\$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 |
| Durin | g the e | arly stag | ges of the PS& | E phase i | t was determiı | ned that | the bridge | that is propos | ed to be wi | dened also |
| requi | res seis | mic retr | ofit. The addi | tional de | sign effort was | s not ant | icipated in | the original es | stimate. | |
| | | | | | | | | | | |
| 10 | MER | 140 | 0.0/42.1 | 0Y110 | 1013000108 | 3018 | 2017/18 | PA&ED | 819 | 1,442 |
| To ad | dress e | nvironm | nental impacts | due to n | nitigation and | archeolo | gical asses | ssments, a deta | ailed survey | is |
| | | | cation, which in | | • | | • | , | , | |
| 10 | TUO | 108 | | | | | 2018/19 | PA&ED | 460 | 750 |
| 1 | | | 26.4/34.4 | | 1015000007 | | | | | |
| | | | | • | | | even slide | locations, and | to coordina | ite with |
| the U | nited S | tates Fo | rest Service re | garding | proposed ease | ments. | | | | |
| 10 | TUO | 120 | 48.8/50.5 | 0Y790 | 1015000006 | 3136 | 2018/19 | PA&ED | 327 | 650 |
| A rece | ent fiel | d visit de | etermined that | t the orig | inal scope wo | uld remo | ove an eme | ergency road. | To avoid rer | noving the |
| | | | | - | - | | | d States Forest | | - |
| | | - | ordination and | | • | • | | | | |
| | | | | | | | | | | |
| | | | | | | | 0010/1- | 200 5 | | |
| 12 | ORA | 39 | 9.9 | 0H270 | 1200000211 | 3184 | 2016/17 | PS&E | 550 | 825 |
| Due t | o recer | nt identi | fication of utili | ty conflic | cts and the add | dition of | sidewalks | that were not | identified ir | i the |
| Proje | ct Initia | tion Do | cument, the co | ost of the | PS&E phase h | has incre | ased. | | | |