## Appendix F FTIP/RTP Listings

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#### 2017 FEDERALTRANSPORTATION IMPROVEMENT PROGRAM ORANGE COUNTY GROUP PROJECT LISTING (in \$000's)

#### COLLISION REDUCTION

Grouped Projects for Safety Improvements - SHOPP Collision Reduction Program Scope: Projects are consistent with 40 CFR Part 93.126 Exempt Tables 2 and Table 3 categories - Railroad/highway crossing, Shoulder imp, traffic control devices, ops assistance Intersection signalization projects Pavement marking, Lighting improvements

RTIP#	DESCRIPTION	PHASE	10	6/17		17/18	18/19	19/20		Total
ORA001102	In Orange County, in the Cities of Huntington Beach, Anaheim and La Habra, on Rte. 39 and Whittier Blvd. at the intersection with Atlanta Avenue (PM .63), Indianapolis Avenue (PM 1.13), Stark Avenue (PM 5.47), Lincoln Avenue (PM 12.69), La Habra Blvd. (PM 20.174) and Cyrpess St. (PM 22.22). The project is to enhance safety by modify traffic signals and adding safety lighting	E			\$	855			\$	855
01111001102	EA 0M5200	R			\$	40			\$	40
	L/10110200	C			\$	3,245			\$	3,245
	In orange County in the cities of Garden Grove, Orange and Santa Ana on eastbound Rte. 22 from SR-39 to the NB I-5/SR-5 connector ramp. The project is to enhance safety by shortening the existing collector distributor road concrete barrier and relocate the point of divergenece									3,240
ORA001102	easterly to the Bristol St.	E			\$	4,641			\$	4,641
	EA 0M9000 (June 2016 CTC, approved Project Change Request (PCR) update Engineer cost)	R			\$	220			\$	220
	May 2017 CTC - Increased PS&E from \$2,000,000 to \$3,000,000.	С			\$	12,622			\$	12,622
ORA001102	In Órange County, in the City of Laguna Beach, Rte. 133 (Laguna Canyon Road) at the intersection with El Toro Road. This safety project proposes to enhance safety by extending a second lane 1200' in the NB direction and 1700' in the SB direction at the intersection of Rte. 133 and El Toro Rd.	E							\$	
	EA 0N0600 (combined to become EA 0P94U1), see below.	R							\$	-
	2014 SHOPP, update costs as of 3/18/19	С							\$	-
ORA001102	In Orange County, in the City of Irvine, on Rte. 5 NB from Bake Parkway to Jeffrey Road. The project is to enhance safety by overlay existing NB Rte. 5 with Open Graded Asphalt Concrete (OGAC). EA 0N6500	E R C			\$ \$	600			\$	600
	In Orange County, in Huntington Beach, at the intersection of Route 1	C			D.	3,425			\$	3,425
ORA001102	(PCH) and Huntington Street. This safety project proposes to enhance safety by modifying the signal and adding additional lighting.	Е	\$	520					\$	520
	EA 0P0200	R	\$	298					\$	298
		С	\$	907					\$	907
ORA001102	In Orange County, in Laguna Beach, at the intersection of Route 133 (Laguna Canyon Road) Northbound and north of Canyon Acres Drive. This safety project proposes to enhance safety by extending the northbound lane-reduction transition.	E					\$ 1,100		\$	1,100
	EA 0N870 PCR approved at the December 2017 meeting. R.W capital decreased	R			-		\$ 686		\$	686
	from \$892,000 to \$536,000. Construction support increased from \$471,000 to \$789,000. Construction capitall increased from \$833,000 tp \$1,189,000	С					\$ 1,978		\$	1,978
00000000	In Orange County, in Orange and Tustin, from north of 17th Street to	_			_					
ORA001102	north of La Veta Avenue. Roadside safety.	E			\$	675			\$	675
	EA 0N5000 Moved project from FY 18/19 to FY 17/18 per approved PCR at the	R							+	
		of 6 C			\$	2,225			\$	4/17/20 2,225 <sub>8</sub> P

# 2017 FEDERALTRANSPORTATION IMPROVEMENT PROGRAM ORANGE COUNTY GROUP PROJECT LISTING (in \$000's)

#### COLLISION REDUCTION

Grouped Projects for Safety Improvements - SHOPP Collision Reduction Program Scope: Projects are consistent with 40 CFR Part 93.126 Exempt Tables 2 and Table 3 categories - Railroad/highway crossing, Shoulder imp, traffic control devices, ops assistance Intersection signalization projects Pavement marking, Lighting improvements

RTIP#	DESCRIPTION	PHASE	16/17		17/18		18/19			19/20	Total	
	In Anaheim, from Santa Ana Street Overcrossing (OC)to 0.3 mile south							-		LINE CONTROL OF		-
ORA001102	of Magnolia Avenue OC. Enhance highway worker safety.	E							\$	600	\$	600
	EA 0P9200	R			-				-			
	New 2018 SHOPP Project - program in FY 21/22 outside of 2017 FTIP											
	cycle. Program Engineering costs in last FY of 2017 FTIP cycle 19/20.	С										
	In Fullerton and Buena Park, from Magnolia Avenue to Stanton											
	Avenue: Also on Rte. 91 from Stanton Avenue to Brookhurst Street											
DRA001102	(Pm R2.8/1.2). Enhance highway worker safety.	E							\$	600	\$	60
	EA 0P9300	R										
	N											
	New 2018 SHOPP Project - program in FY 21/22 outside of 2017 FTIP	_										
	cycle. Program Engineering costs in last FY of 2017 FTIP cycle 19/20.  Sub-total SHOPP Funds	С	\$	22.668		44 E44	0	40.000	0	404.074	0	204.04
	Sub-total Shopp Funds		Þ	22,008	2	44,511	\$	49,696	2	104,974	\$	221,849
_												
DRA001102	SHOPP Funds (EA 0P94U1)											
	In Orange County, in the City of Laguna Beach and In County of											
	Orange.	E							\$	5,872	-	5,872
	Widening & Drainage improvement	R								4013		401
	EA 0P94U1 (combined from Eas 0N0600 & 0Q3600) EA 0N0600 is from ORA001102, EA 0Q3600 is from ORA001103.	С								11 101		044 40
	Total SHOPP Funds - EA 0P94U1.	C	\$		\$	-	\$		\$	11,424 21,309	0	\$11,42
	PCR approved at the December 2017 meeting. Construction support		Ψ		Ψ		Φ		Φ	21,309	φ	21,303
	increased by \$1,052,000. Construction capital increased by	- 5										
	\$2,832,000											
	County of Orange Funds											
	In Orange County, in the City of Laguna Beach and In County of										9	
	Orange.	E							\$	3,731		3,73
	Widening & Drainage improvement	R							\$	3,592		3,592
	EA 0P94U1	С							\$	14,475		14,475
	Total County of Orange Funds								\$	21,798	\$	21,798
	Total Project EA 0P94U1 - County of Orange Funds plus SHOPP Funds		\$	-	\$	-	\$	-	\$	43,107	\$	43,107
	Total SHOPP Funds		\$	22,668	\$	44,511	\$	49,696	\$	126,283	\$	243,158
	Total SHOPP and County Funds		\$	22,668		44,511	•	49,696		148,081	•	264.956



### Final 2017 Federal Transportation Improvement Program

Orange County Project Listing State Highway (In \$000`s)

ProjectID	County	Air Basin	Model	RTP II	D	Program	Route	Begin	End	System	Conformity Category		Amendment	
ORA030605A	Orange	SCAB	2	2H0706		CAXT9	405	9.3	24.2	S	TCM		0	
Description	:							PTC	318,000	Agency	ORANGE COUNT	TY TRANS AUT	THORITY (OCT.	A)
I-405 from \$	SR-73 to I-605. Cor	nvert existing HC	V to HOT. Ad	ld 1 additional	HOT lane	each direction	on and a	dd a HOT d	lirect connector	to SR-73 (by	2035). Phase 1 Pi	oject listed und	der ORA030605	
Fund		ENG	R/W	CON	Total	Prior	2	2016/2017	2017/2018	2018/20	2019/2020	2020/2021	2021/2022	Tota
PRIVATE FU	INDS	27,000	4,000	287,000	318,000	27,000				291,0	000			318,000
ORA03060	5A Total	27,000	4,000	287,000	318,000	27,000				291,0	000			318,000
ProjectID	County	Air Basin	Model	RTP II	D D	Program	Route	Begin	End	System Conform		Category	Amendn	nent
ORA170005	Orange	SCAB	2	2M0719		NCRH3	605	1.1	1.6	S	EXEMPT - 93.126		0	
Description	: '							PTC	1,200	Agency	ORANGE COUNT	TY TRANS AUT	THORITY (OCT.	A)
I-605/Katell	a Ave Interchange	- improve the loc	al interchange	e to improve fr	eeway acc	ess, traffic o	peration	s, enhance	safety, and imp	rove pedestri	an and bicycle fac	ilities within pro	ject limits.	
Fund		ENG	R/W	CON	Total	Prior	2	2016/2017	2017/2018	2018/20	2019/2020	2020/2021	2021/2022	Tota
ORANGE M2	2 - FREEWAY	1,200			1,200			1,200						1,200
ORA17000	5 Total	1,200			1,200			1,200						1,200
ProjectID	County	Air Basin	Model	RTP II	D	Program	Route	Begin	End	System	Conformity (	Category	Amendn	nent
ORA001102	Orange	SCAB	F	REG0701		SHP02	999			S	EXEMPT - 93.126	5	0	
Description	:							PTC	65,346	Agency	CALTRANS			
Grouped Pr	rojects for Safety In						s are co	nsistent witl	h 40 CFR Part	93.126 Exemp		ble 3 categorie	s - Railroad/hig	hway
Grouped Pr crossing,Sh		control devices,o	ps assistance	Intersection s	ignalizatior	n projects Pa	s are con	nsistent witl marking, Li	h 40 CFR Part s ghting improve	93.126 Exemplements	ot Tables 2 and Ta			
Grouped Pr crossing,Sh Fund	rojects for Safety In noulder imp, traffic o			Intersection s CON	ignalizatior Total		s are con	nsistent witl marking, Li 2016/2017	h 40 CFR Part s ghting improver 2017/2018	93.126 Exemplements 2018/20	ot Tables 2 and Ta	ble 3 categorie 2020/2021	s - Railroad/hig	Tota
Grouped Pr crossing,Sh	rojects for Safety In noulder imp, traffic o	control devices,o	ps assistance	Intersection s	ignalizatior	n projects Pa	s are con	nsistent witl marking, Li	h 40 CFR Part s ghting improve	93.126 Exemplements 2018/20	ot Tables 2 and Ta			Tota
Grouped Pr crossing,Sh Fund SHOPP - AD	rojects for Safety In noulder imp, traffic of VANCE TION	control devices,o	ps assistance	Intersection s CON	ignalizatior Total	n projects Pa	s are con	nsistent witl marking, Li 2016/2017	h 40 CFR Part s ghting improver 2017/2018	93.126 Exemplements 2018/20	ot Tables 2 and Ta			Tota 65,346 65,346
Grouped Pr crossing,Sh Fund SHOPP - AD CONSTRUCT	rojects for Safety In noulder imp, traffic of VANCE TION	control devices,o	ps assistance	Intersection s CON 65,346	ignalization Total 65,346 65,346	n projects Pa	s are con	nsistent with marking, Li 2016/2017 22,668	h 40 CFR Part s ghting improve 2017/2018 42,678	93.126 Exemplements 2018/20	ot Tables 2 and Ta	2020/2021		Tota 65,346 65,346
Grouped Pr crossing,Sh Fund SHOPP - AD CONSTRUC ORA00110:	rojects for Safety In noulder imp, traffic of VANCE TION 2 Total	control devices,o	ps assistance R/W	CON 65,346 65,346	ignalization Total 65,346 65,346	projects Pa Prior	s are con avement	nsistent with marking, Li 2016/2017 22,668 22,668	h 40 CFR Part s ghting improved 2017/2018 42,678 42,678	93.126 Exemplements 2018/20	ot Tables 2 and Ta 2019/2020	2020/2021 Category	2021/2022	Tota 65,346 65,346
Grouped Pr crossing,Sh Fund SHOPP - AD CONSTRUC ORA00110:	rojects for Safety Innoulder imp, traffic of VANCE TION 2 Total  County Orange	Air Basin	ps assistance R/W	Intersection s CON 65,346 65,346 RTP II	ignalization Total 65,346 65,346	Program	Route 999	nsistent with marking, Li 2016/2017 22,668 22,668	h 40 CFR Part s ghting improved 2017/2018 42,678 42,678	93.126 Exemplements 2018/20	2019/2020  Conformity (	2020/2021 Category	2021/2022 Amendn	Tota 65,346 65,346
Grouped Pr crossing,Sh Fund SHOPP - AD CONSTRUC ORA001102 ProjectID ORA001103 Description Grouped Pr	County Orange  Tojects for Safety Innoulder imp, traffic of the county  Orange  Trojects for Pavemen	Air Basin SCAB	ps assistance R/W  Model  F  d/or rehabilitar	Intersection s CON 65,346 65,346 RTP II REG0701	ignalizatior Total 65,346 65,346 D	Program SHP03  Preservation	Route 999	nsistent witl marking, Li 2016/2017 22,668 22,668 Begin PTC n. Scope: P	h 40 CFR Part sighting improved 2017/2018 42,678 42,678 End 29,666 Projects are constituted in the constitution of the constit	System S Agency sistent with 40	Conformity ( EXEMPT - 93.126 CALTRANS CFR Part 93.126	2020/2021 Category	2021/2022 Amendn	Tota 65,346 65,346
Grouped Pr crossing,Sh Fund SHOPP - AD CONSTRUC ORA001102 ProjectID ORA001103 Description Grouped Pr	rojects for Safety Innoulder imp, traffic of IVANCE TION 2 Total  County Orange :	Air Basin SCAB	ps assistance R/W  Model  F  d/or rehabilitar	Intersection s CON 65,346 65,346 RTP II REG0701	ignalizatior Total 65,346 65,346 D	Program SHP03  Preservation	Route 999 Progran	nsistent witl marking, Li 2016/2017 22,668 22,668 Begin PTC n. Scope: P	h 40 CFR Part sighting improved 2017/2018 42,678 42,678 End 29,666 Projects are constituted in the constitution of the constit	System S Agency sistent with 40 s (no additional	Conformity ( EXEMPT - 93.126 CALTRANS OCFR Part 93.126 al travel lanes)	2020/2021 Category	2021/2022 Amendn	Tota 65,346 65,346 nent
Grouped Pr crossing,Sh Fund SHOPP - AD CONSTRUC ORA001103 ProjectID ORA001103 Description Grouped Pr Pavement r	County Orange : rojects for Safety Innoulder imp, traffic of the county	Air Basin SCAB  nt resurfacing and rehabilitation, Em	Model  Model  d/or rehabilitatergency relief	Intersection s	ignalizatior Total 65,346 65,346 D Roadway F	Program SHP03 Preservation ng narrow p	Route 999 Progran	nsistent witl marking, Li 2016/2017 22,668 22,668 Begin PTC n. Scope: Ps or recons	h 40 CFR Part sighting improved 2017/2018 42,678 42,678 End 29,666 Projects are constructing bridges	System S Agency sistent with 40 s (no additional	Conformity ( EXEMPT - 93.126 CALTRANS OCFR Part 93.126 al travel lanes)	2020/2021  Category  Exempt Tables	2021/2022 Amendn 0 s 2 categories -	Tota 65,346 65,346

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