

Measure R Highway Projects Potential Funding Strategy

DRAFT

(\$ in millions)

Meas R Ref #	Estimated Delivery Date	Already Progr.	Cost Estimate					Need: Total Escalated Cost	Meas R before Escal	
			FY 10-15	FY 16-21	FY 22-27	FY 28-33	FY 34-39			
	Escalated \$ (Meas R rev in italics)									
22	ACE Grade Separations Phase II	FY 2017	352	531	240	-	-	-	771	400
23	BNSF Grade Seps (Gateway Cities)	FY 2017+								
	1st Grade Separation			18	17	-	-	-	35	
	Remaining 3 grade separations			-	115	120	-	-	235	
24	Soundwalls	FY 14-39		200	220	660	660	660	2,400	250
25	High Desert Corridor Environ (LA Cnty)	FY 2014		33	-	-	-	-	33	33
	High Desert Corridor Constr (LA Cnty)	FY 2020		345	2,686	-	-	-	3,031	-
26	I-5/SR-14 Capacity Enhancement			2	-	-	89	-	91	91
27	I-5 South	FY 2017		25	240	-	-	-	265	265
28	I-5 from SR-134 to SR-170			18	-	-	254	-	272	272
29	I-5 Carmenita Interchange	FY 2015		32	-	-	106	-	138	138
	SUBTOTAL			\$ 1,204	\$ 3,518	\$ 780	\$ 1,108	\$ 660	\$ 7,270	\$ 1,448
	Current \$									
31	Arroyo Verdugo Operational Improve.	FY 2014+		31	44	73	111	-	259 **	170
32	Las Virgenes/Malibu Opertnl Improve.	FY 2014+		69	19	63	103	-	253 **	175
33	South Bay Ramp & Interchange Improv.	FY 2014+		103	229	323	385	472	1,512 **	906
34	I-5 North Truck Lane (Construction)								5,271	410
	Phase I SR-14 to Pico Cyn	FY 2014	75	56	82	27	-	-	164	
	Phase II Pico Cyn to Parker Rd	FY 2025		22	152	215	-	-	390	
	Phase III Parker Rd to Kern County	FY 2039		-	-	-	2,383	2,333	4,717	
35	I-605 Hot Spot Intrchgs (Gateway Cities)	FY 15-25		271	1,936	994	-	-	3,200	590
36	I-710 North	FY 2025+		76	764	4,285	510	-	5,636	780
37	I-710 Early Action Projects	FY 2022		308	378	-	-	-	687	590
37	I-710 South (PPP)	FY 2025		1,199	3,724	1,341	-	-	6,264	
38	SR-138: Segment 9	FY 12-20		11	-	-	-	-	11	346
38	SR-138: Segment 13	FY 12-20		57	-	-	-	-	57	
38	SR-138: Other Segments	FY 12-20		15	215	36	-	-	266	
	SUBTOTAL			\$ 2,219	\$ 7,545	\$ 7,355	\$ 3,493	\$ 2,805	\$ 23,417	\$ 3,821
	TOTAL			\$ 3,423	\$ 11,063	\$ 8,135	\$ 4,601	\$ 3,465	\$ 30,687	\$ 5,269

* Other State includes STIP Programs (Regional Improvement, Interregional Improvement, and Intercity Rail), state bond programs, other state funding programs, etc.

** Total project cost depends on Board-approved project list.

***If borrowing is required to meet Measure R cash flow needs, escalation amt would be reduced.

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(\$ in millions)

Meas R Ref #	Meas R	FY 2010 - 2039														TOTAL ALL SOURCES	SUBTOTAL NON-MEAS R	Over(1)
		incl Escal***	Tolls/ PPP	Rail- roads	Container Fees	STATE				FEDERAL								
						Hi Sp Rail	PUC	Other*	SHOPP	Cap/Trade	FRA	Incr Formula	Earmarks	Metro Area	Goods Mvt			
	Escalated \$ (Meas R rev in italics)	\$7,554.7																
22	ACE Grade Separations Phase II	400	-	20	-	-	5	-	-	-	2	-	70	-	274	771	371	-
23	BNSF Grade Seps (Gateway Cities)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1st Grade Separation	35	-	-	-	-	-	-	-	-	-	-	-	-	-	35	-	-
	Remaining 3 grade separations	-	-	-	-	185	-	15	-	-	-	-	35	-	-	235	235	-
24	Soundwalls	250	-	-	-	-	-	2,150	-	-	-	-	-	-	-	2,400	2,150	-
25	High Desert Corridor Environ (LA Cnty)	33	Fully Funded													33	-	-
	High Desert Corridor Constr (LA Cnty)	-	1,516	-	-	-	-	316	-	-	-	537	125	-	537	3,031	3,031	-
26	I-5/SR-14 Capacity Enhancement	91	-	-	-	-	-	-	-	-	-	-	-	-	-	91	-	-
27	I-5 South	265	-	-	-	-	-	-	-	-	-	-	-	-	-	265	-	-
28	I-5 from SR-134 to SR-170	272	-	-	-	-	-	-	-	-	-	-	-	-	-	272	-	-
29	I-5 Carmenita Interchange	138	-	-	-	-	-	-	-	-	-	-	-	-	-	138	-	-
	SUBTOTAL	\$ 1,483	\$ 1,516	\$ 20	\$ -	\$ 185	\$ 5	\$ 2,481	\$ -	\$ -	\$ 2	\$ 537	\$ 230	\$ -	\$ 811	\$ 7,270	\$ 5,787	\$ -
	Current \$																	
31	Arroyo Verdugo Operational Improve.	259	-	-	-	-	-	-	-	-	-	-	-	-	-	259	-	-
32	Las Virgenes/Malibu Opertnl Improve.	253	-	-	-	-	-	-	-	-	-	-	-	-	-	253	-	-
33	South Bay Ramp & Interchange Improv.	1,512	-	-	-	-	-	-	-	-	-	-	227	-	-	1,739	227	227
34	I-5 North Truck Lane (Construction)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Phase I SR-14 to Pico Cyn	163	-	-	-	-	-	-	-	-	-	-	55	-	-	218	55	54
	Phase II Pico Cyn to Parker Rd	390	-	-	-	-	-	-	-	-	-	-	-	-	-	390	-	-
	Phase III Parker Rd to Kern County	-	2,635	-	-	-	-	600	25	-	-	637	200	270	350	4,717	4,717	0
35	I-605 Hot Spot Intrchgs (Gateway Cities)	813	-	-	-	-	-	67	-	-	-	500	692	923	590	3,585	2,772	384
36	I-710 North	1,049	2,818	-	-	-	-	200	-	-	-	1,368	260	-	-	5,695	4,646	60
37	I-710 Early Action Projects	127	-	-	-	-	-	-	-	-	-	-	572	-	-	699	572	12
37	I-710 South (PPP)	684	3,200	-	500	-	-	-	-	250	-	-	531	50	1,800	7,015	6,331	751
38	SR-138: Segment 9	11	-	-	-	-	-	-	-	-	-	-	11	-	-	22	11	11
38	SR-138: Segment 13	59	-	-	-	-	-	-	-	-	-	-	52	-	-	111	52	54
38	SR-138: Other Segments	175	-	-	-	-	-	62	-	-	-	36	-	-	-	273	98	7
	SUBTOTAL	\$ 5,496	\$ 8,653	\$ -	\$ 500	\$ -	\$ -	\$ 929	\$ 25	\$ 250	\$ -	\$ 2,541	\$ 2,600	\$ 1,243	\$ 2,740	\$ 24,977	\$ 19,481	\$ 1,560
	TOTAL	\$ 6,979	\$ 10,169	\$ 20	\$ 500	\$ 185	\$ 5	\$ 3,410	\$ 25	\$ 250	\$ 2	\$ 3,078	\$ 2,830	\$ 1,243	\$ 3,551	\$ 32,247	\$ 25,268	\$ 1,560

* Other State includes STIP Programs (Regional Improvement, Interregional Improvement, and Intercity Rail), state bond programs, other state funding programs, etc.

** Total project cost depends on Board-approved project list.

***If borrowing is required to meet Measure R cash flow needs, escalation amt would be reduced.

(1) Funding may be over the amount needed if all sources are realized.

Measure R Highway Projects Potential Funding Strategy

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(\$ in millions)

Meas R Ref #	Meas R	FY 2010 - 2015													Subtotal ALL SOURCES	SUBTOTAL NON-MEAS R	
		incl Esc***	Tolls/ PPP	RR	Container Fees	STATE				FEDERAL							
						Hi Sp Rail	PUC	Other*	SHOPP	Cap/Trade	FRA	Incr Formula	Earmark(2)	Metro Area			Goods Mvt
	Escalated \$ (Meas R rev in italics)	\$804.6															
22	ACE Grade Separations Phase II	292		10			3				1		30		195	531	239
23	BNSF Grade Seps (Gateway Cities)	-														-	-
	1st Grade Separation	18														18	-
	Remaining 3 grade separations	-														-	-
24	Soundwalls	124														124	-
25	High Desert Corridor Environ (LA Cnty)	33														33	-
	High Desert Corridor Constr (LA Cnty)	-	172									63	60			295	295
26	I-5/SR-14 Capacity Enhancement	2														2	-
27	I-5 South	25														25	-
28	I-5 from SR-134 to SR-170	18														18	-
29	I-5 Carmenita Interchange	32														32	-
	SUBTOTAL	\$ 543	\$ 172	\$ 10	\$ -	\$ -	\$ 3	\$ -	\$ -	\$ -	\$ 1	\$ 63	\$ 90	\$ -	\$ 195	\$ 1,077	\$ 534
	Current \$																\$ -
31	Arroyo Verdugo Operational Improve.	31														31	-
32	Las Virgenes/Malibu Opertnl Improve.	69														69	-
33	South Bay Ramp & Interchange Improv.	103											227			330	227
34	I-5 North Truck Lane (Construction)															-	-
	Phase I SR-14 to Pico Cyn	61											55			116	55
	Phase II Pico Cyn to Parker Rd	22														22	-
	Phase III Parker Rd to Kern County	-														-	-
35	I-605 Hot Spot Intrchgs (Gateway Cities)	78											2	108		188	110
36	I-710 North	76											60			136	60
37	I-710 Early Action Projects	59											491			550	491
37	I-710 South (PPP)	15	600		100					100			531	50	250	1,646	1,631
38	SR-138: Segment 9	11											11			22	11
38	SR-138: Segment 13	59											52			111	52
38	SR-138: Other Segments	15														15	-
	SUBTOTAL	\$ 599	\$ 600	\$ -	\$ 100	\$ -	\$ -	\$ -	\$ -	\$ 100	\$ -	\$ -	\$ 1,429	\$ 158	\$ 250	\$ 3,236	\$ 2,637
	TOTAL	\$ 1,142	\$ 772	\$ 10	\$ 100	\$ -	\$ 3	\$ -	\$ -	\$ 100	\$ 1	\$ 63	\$ 1,519	\$ 158	\$ 445	\$ 4,313	\$ 3,171

* Other State includes STIP Programs (Regional Improvement, Interregional Improvement, and Intercity Rail), state bond programs, other state funding programs, etc.

** Total project cost depends on Board-approved project list.

***If borrowing is required to meet Measure R cash flow needs, escalation amt would be reduced.

(2) Reflects Earmark amount requested which may or may not be realized.

Measure R Highway Projects Potential Funding Strategy

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(\$ in millions)

Meas R Ref #	Meas R incl Esc***	Tolls/ PPP	RR	Container Fees	FY 2016 - 2021										Subtotal ALL SOURCES	SUBTOTAL NON- MEAS R	
					STATE				FEDERAL								
					Hi Sp Rail	PUC	Other*	SHOPP	Cap/Trade	FRA	Incr Formula	Earmark	Metro Area	Goods Mvt			
	Escalated \$ (Meas R rev in italics)																
22	ACE Grade Separations Phase II	108		10		2					1		40		79	240	132
23	BNSF Grade Seps (Gateway Cities)	-															-
	1st Grade Separation	17														17	-
	Remaining 3 grade separations	-				100							15			115	115
24	Soundwalls	-						170								170	170
25	High Desert Corridor Environ (LA Cnty)	-														-	-
	High Desert Corridor Constr (LA Cnty)	-	1,344					316				474	65		537	2,736	2,736
26	I-5/SR-14 Capacity Enhancement	-														-	-
27	I-5 South	240														240	-
28	I-5 from SR-134 to SR-170	-														-	-
29	I-5 Carmenita Interchange	-														-	-
	SUBTOTAL	\$ 365	\$ 1,344	\$ 10	\$ -	\$ 100	\$ 2	\$ 486	\$ -	\$ -	\$ 1	\$ 474	\$ 120	\$ -	\$ 616	\$ 3,518	\$ 3,153
	Current \$																\$ -
31	Arroyo Verdugo Operational Improve.	44														44	-
32	Las Virgenes/Malibu Opertnl Improve.	19														19	-
33	South Bay Ramp & Interchange Improv.	229														229	-
34	I-5 North Truck Lane (Construction)	-														-	-
	Phase I SR-14 to Pico Cyn	76														76	-
	Phase II Pico Cyn to Parker Rd	152														152	-
	Phase III Parker Rd to Kern County	-														-	-
35	I-605 Hot Spot Intrchgs (Gateway Cities)	337						20				300	372	623	366	2,018	1,681
36	I-710 North	764														764	-
37	I-710 Early Action Projects	68											81			149	81
37	I-710 South (PPP)	306	2,000		400					150					1,000	3,856	3,550
38	SR-138: Segment 9	-														-	-
38	SR-138: Segment 13	-														-	-
38	SR-138: Other Segments	160						46								206	46
	SUBTOTAL	\$ 2,157	\$ 2,000	\$ -	\$ 400	\$ -	\$ -	\$ 66	\$ -	\$ 150	\$ -	\$ 300	\$ 453	\$ 623	\$ 1,366	\$ 7,515	\$ 5,358
	TOTAL	\$ 2,522	\$ 3,344	\$ 10	\$ 400	\$ 100	\$ 2	\$ 552	\$ -	\$ 150	\$ 1	\$ 774	\$ 573	\$ 623	\$ 1,982	\$ 11,033	\$ 8,511

* Other State includes STIP Programs (Regional Improvement, Interregional Improvement, and Intercity Rail), state bond programs, other state funding programs, etc.

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(\$ in millions)

Meas R Ref #	Meas R incl Esc***	Tolls/ PPP	RR	Container Fees	FY 2022 - 2027										Subtotal ALL SOURCES	SUBTOTAL NON- MEAS R	
					STATE				FEDERAL								
					Hi Sp Rail	PUC	Other*	SHOPP	Cap/Trade	FRA	Incr Formula	Earmark	Metro Area	Goods Mvt			
	Escalated \$ (Meas R rev in italics)																
22	ACE Grade Separations Phase II	\$1,502.0														-	-
23	BNSF Grade Seps (Gateway Cities)															-	-
	1st Grade Separation															-	-
	Remaining 3 grade separations				85		15					20			120	120	
24	Soundwalls						660								660	660	
25	High Desert Corridor Environ (LA Cnty)														-	-	
	High Desert Corridor Constr (LA Cnty)														-	-	
26	I-5/SR-14 Capacity Enhancement														-	-	
27	I-5 South	-													-	-	
28	I-5 from SR-134 to SR-170														-	-	
29	I-5 Carmenita Interchange														-	-	
	SUBTOTAL	\$ -	\$ -	\$ -	\$ -	\$ 85	\$ -	\$ 675	\$ -	\$ -	\$ -	\$ -	\$ 20	\$ -	\$ -	\$ 780	\$ 780
	Current \$																\$ -
31	Arroyo Verdugo Operational Improve.	73													73	-	
32	Las Virgenes/Malibu Opertnl Improve.	63													63	-	
33	South Bay Ramp & Interchange Improv.	323													323	-	
34	I-5 North Truck Lane (Construction)	-													-	-	
	Phase I SR-14 to Pico Cyn	27													27	-	
	Phase II Pico Cyn to Parker Rd	215													215	-	
	Phase III Parker Rd to Kern County	-													-	-	
35	I-605 Hot Spot Intrchgs (Gateway Cities)	397					47				200	318	192	224	1,378	981	
36	I-710 North	209	2,676				200				1,000	200			4,285	4,076	
37	I-710 Early Action Projects	-													-	-	
37	I-710 South (PPP)	362	600											550	1,512	1,150	
38	SR-138: Segment 9	-													-	-	
38	SR-138: Segment 13	-													-	-	
38	SR-138: Other Segments	-					16				36				52	52	
	SUBTOTAL	\$ 1,669	\$ 3,276	\$ -	\$ -	\$ -	\$ -	\$ 263	\$ -	\$ -	\$ -	\$ 1,236	\$ 518	\$ 192	\$ 774	\$ 7,928	\$ 6,259
	TOTAL	\$ 1,669	\$ 3,276	\$ -	\$ -	\$ 85	\$ -	\$ 938	\$ -	\$ -	\$ -	\$ 1,236	\$ 538	\$ 192	\$ 774	\$ 8,708	\$ 7,039

* Other State includes STIP Programs (Regional Improvement, Interregional Improvement, and Intercity Rail), state bond programs, other state funding programs, etc.

** Total project cost depends on Board-approved project list.

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(\$ in millions)

Meas R Ref #	Meas R	FY 2028 - 2033													Subtotal ALL SOURCES	SUBTOTAL NON-MEAS R	
		incl Esc***	Tolls/ PPP	RR	Container Fees	STATE				FEDERAL							
						Hi Sp Rail	PUC	Other*	SHOPP	Cap/Trade	FRA	Incr Formula	Earmark	Metro Area			Goods Mvt
	Escalated \$ (Meas R rev in italics)	\$1,852.5															
22	ACE Grade Separations Phase II																-
23	BNSF Grade Seps (Gateway Cities)																-
	1st Grade Separation																-
	Remaining 3 grade separations																-
24	Soundwalls	127						660									787
25	High Desert Corridor Environ (LA Cnty)																-
	High Desert Corridor Constr (LA Cnty)																-
26	I-5/SR-14 Capacity Enhancement	89															89
27	I-5 South																-
28	I-5 from SR-134 to SR-170	254															254
29	I-5 Carmenita Interchange	106															106
	SUBTOTAL	\$ 575	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 660	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,235
	Current \$																\$ -
31	Arroyo Verdugo Operational Improve.	111															111
32	Las Virgenes/Malibu Opertnl Improve.	103															103
33	South Bay Ramp & Interchange Improv.	385															385
34	I-5 North Truck Lane (Construction)	-															-
	Phase I SR-14 to Pico Cyn	-															-
	Phase II Pico Cyn to Parker Rd	-															-
	Phase III Parker Rd to Kern County	-	1,353					300	25			320	100	135	150	2,383	2,383
35	I-605 Hot Spot Intrchgs (Gateway Cities)	-															-
36	I-710 North	-	142									368					510
37	I-710 Early Action Projects	-															-
37	I-710 South (PPP)	-															-
38	SR-138: Segment 9	-															-
38	SR-138: Segment 13	-															-
38	SR-138: Other Segments	-															-
	SUBTOTAL	\$ 599	\$ 1,495	\$ -	\$ -	\$ -	\$ -	\$ 300	\$ 25	\$ -	\$ -	\$ 688	\$ 100	\$ 135	\$ 150	\$ 3,492	\$ 2,893
	TOTAL	\$ 1,174	\$ 1,495	\$ -	\$ -	\$ -	\$ -	\$ 960	\$ 25	\$ -	\$ -	\$ 688	\$ 100	\$ 135	\$ 150	\$ 4,727	\$ 3,553

* Other State includes STIP Programs (Regional Improvement, Interregional Improvement, and Intercity Rail), state bond programs, other state funding programs, etc.
 ** Total project cost depends on Board-approved project list.
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Measure R Highway Projects Potential Funding Strategy

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(\$ in millions)

Meas R Ref #	Meas R	FY 2034 - 2039													Subtotal ALL SOURCES	SUBTOTAL NON-MEAS R	TOTAL ALL SOURCES		
		incl Escal***	Tolls/ PPP	Rail-roads	Container Fees	STATE				FEDERAL									
						Hi Sp Rail	PUC	Other*	SHOPP	Cap/Trade	FRA	Incr Formula	Earmarks	Metro Area				Goods Mvt	
	Escalated \$ (Meas R rev in italics)	\$2,235.9																	
22	ACE Grade Separations Phase II	-															-	-	771
23	BNSF Grade Seps (Gateway Cities)	-															-	-	-
	1st Grade Separation	-															-	-	35
	Remaining 3 grade separations	-															-	-	235
24	Soundwalls	-					660									660	660	2,400	
25	High Desert Corridor Environ (LA Cnty)	-														-	-	33	
	High Desert Corridor Constr (LA Cnty)	-														-	-	3,031	
26	I-5/SR-14 Capacity Enhancement	-														-	-	91	
27	I-5 South	-														-	-	265	
28	I-5 from SR-134 to SR-170	-														-	-	272	
29	I-5 Carmenita Interchange	-														-	-	138	
	SUBTOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 660	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 660	\$ 660	\$ 7,270	
	Current \$																\$ -		
31	Arroyo Verdugo Operational Improve.	-														-	-	259	
32	Las Virgenes/Malibu Opertnl Improve.	-														-	-	253	
33	South Bay Ramp & Interchange Improv.	472														472	-	1,739	
34	I-5 North Truck Lane (Construction)	-														-	-	-	
	Phase I SR-14 to Pico Cyn	-														-	-	218	
	Phase II Pico Cyn to Parker Rd	-														-	-	390	
	Phase III Parker Rd to Kern County	-	1,282					300			317	100	135	200	2,334	2,334	4,717		
35	I-605 Hot Spot Intrchgs (Gateway Cities)	-														-	-	3,585	
36	I-710 North	-														-	-	5,695	
37	I-710 Early Action Projects	-														-	-	699	
37	I-710 South (PPP)	-														-	-	7,015	
38	SR-138: Segment 9	-														-	-	22	
38	SR-138: Segment 13	-														-	-	111	
38	SR-138: Other Segments	-														-	-	273	
	SUBTOTAL	\$ 472	\$ 1,282	\$ -	\$ -	\$ -	\$ -	\$ 300	\$ -	\$ -	\$ -	\$ 317	\$ 100	\$ 135	\$ 200	\$ 2,806	\$ 2,334	\$ 24,977	
	TOTAL	\$ 472	\$ 1,282	\$ -	\$ -	\$ -	\$ -	\$ 960	\$ -	\$ -	\$ -	\$ 317	\$ 100	\$ 135	\$ 200	\$ 3,466	\$ 2,994	\$ 32,247	

* Other State includes STIP Programs (Regional Improvement, Interregional Improvement, and Intercity Rail), state bond programs, other state funding programs, etc.

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