Decision 20-06-030 June 25, 2020

BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

Order Instituting Investigation for the Purpose of Establishing a List for the Fiscal Years 2020-2021 and 2021-2022 of Existing Crossings at Grade of City Streets, County Roads or State Highways in Need of Separation, or Existing Separations in Need of Alterations or Reconstruction in Accordance with Section 2452 of the California Streets and Highways Code.

Investigation 19-06-013

INTERIM DECISION ESTABLISHING THE CALIFORNIA GRADE SEPARATION FUND PRIORITY LIST FOR FISCAL YEAR 2020-2021

Summary

This interim decision establishes the California Grade Separation Fund Priority List for Fiscal Year 2020-2021, as required by California Streets and Highways Code § 2452. In accordance with our adopted procedure, we order Investigation 19-06-013 to remain open until we issue our final decision establishing the California Grade Separation Priority List for Fiscal Year 2021-2022.

1. Background

We initiated this proceeding by issuing Order Instituting Investigation (I.) 19-06-013 on June 27, 2019, to evaluate and establish the California Grade Separation Program Priority Lists for Fiscal Years (FY) 2020-2021 and 2021-2022.

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California Streets and Highways (S&H) Code § 2452 requires the California Public Utilities Commission (Commission) to establish annual California Grade Separation Program priority lists (Priority Lists) for certain rail crossing projects including projects to construct new grade separations to replace existing at-grade crossings, or projects to alter or reconstruct existing grade separations.

Commission's adoption of Priority Lists establishes the relative priorities for allocation of funds to qualified projects for eliminating or altering hazardous railroad crossings under S&H Code § 2450 *et seq*. By July 1st of each year, the Priority List adopted by the Commission is provided to the California Transportation Commission (CTC) for use in the FY beginning on that date to fund the qualified projects in accordance with that Priority List. CTC has delegated this authority to California Department of Transportation (CalTrans)¹.

Every two years, the Commission issues a new Order Instituting Investigation (OII), to establish the Priority Lists for the next two Fiscal Years. The Commission adopts the Priority List for the first FY by interim decision issued before that FY begins. The Commission then updates and revises that Priority List for the second FY by deleting projects for which funds were actually allocated in the first, adopting a revised Priority List by final decision before the second FY begins. The two-year funding cycle begins again with the issuance of a new OII for the creation of a new priority list for the following two FYs.

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¹ S&H Code § 190 requires the State's annual budget to include \$15 million for funding these projects. According to CalTrans' staff, approximately \$10 million in funding from FY 2019-2020 will carry over to the FY 2020-2021 application cycle to the 2020-2021 application cycle. This means that approximately \$25 million in funding will be available for the FY 2020-2021 program cycle.

Our procedure also requires local agencies to furnish planned grade separation project nominations to this Commission in response to an announcement made a year prior to the cycle. The Commission reviews each nominated project to ensure that it is eligible for the California Grade Separation Program and holds hearings, as needed, so that nominating agencies may present each proposal, answer questions about its content, and confirm its accuracy. Attendance and participation in these hearings is mandatory for any project proponent.

The Commission's Rail Safety Division (RSD) staff adjusts and ranks the draft Priority List in accordance with evidence received at the hearings, and that list is presented to the Commission as the Priority List for adoption by interim decision.²

2. Establishment of the Fiscal Year 2020-2021 Priority List

On October 22, 2019, a prehearing conference (PHC) was held. RSD notified railroads, light rail transit agencies, cities, counties, and other interested parties that nominations were due by October 25, 2019, for grade separation projects proposed to be included in the current Priority List. RSD received a total of 36 timely submitted nominations for projects.

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² The Priority List is a comparative evaluation of all qualified projects nominated and accepted for inclusion in this investigation, with the priority index value based on one of the two formulas that RSD staff uses to rank projects, as published in Appendix A: one formula for crossings nominated for separation or elimination, and the other for existing grade separations in need of alteration or renovation. The formulas incorporate crossing inventory and accident data submitted in the nomination forms and verified by RSD staff. RSD staff reviews each application for qualification and creates the prioritized list from the nomination data entered into a Microsoft Excel spreadsheet that calculates the priority index value for each project.

A Scoping Memo and Ruling of Assigned Commissioner (Scoping Memo) was issued on October 29, 2019. Pursuant to the Scoping Memo, evidential hearings were scheduled in San Francisco on April 15, 2020 and Los Angeles on April 22, 2020. After evaluating each nominated project, RSD staff produced a preliminary Priority List on February 12, 2020, from the data furnished in the written nominations.

In view of the COVID-19 and the various shelter-in-place orders in California, on March 19, 2020, the Administrative Law Judge (ALJ) issued an email ruling cancelling the in-person evidentiary hearings and instead setting a telephonic status conference hearing for April 6, 2020 during which each nominating party was afforded opportunity to present their project nominations and answer any questions about them. Thereafter, each project nomination and all supporting documents was electronically filed with the Commission and served to the service list of this proceeding.

After the April 6, 2020 hearing, RSD finalized the 2020-2021 Priority List to include 36 nominations – all projects submitted were found to be qualified. As discussed above, the statutory procedure for creating the FY 2020-2021 Priority List was properly followed. Appendix A of this decision shows the 2020–2021 Priority List prepared by RSD staff.

This interim decision therefore adopts the attached Priority List for purposes of allocating funds in the California Grade Separation Fund (*see* Appendix A to this decision).

3. Categorization and Need for Hearing

This proceeding has been categorized as quasi-legislative. Hearings were held in accordance with our adopted procedure for establishing the biennial priority list.

4. Comments on Proposed Decision

The proposed decision in this matter was mailed to the parties in accordance with Section 311 of the Public Utilities Code and comments were allowed under Rule 14.3 of the CPUC's Rules of Practice and Procedure. No comments were filed.

5. Assignment of Proceeding

Genevieve Shiroma is the assigned Commissioner and Hazlyn Fortune is the assigned ALJ in this proceeding.

Findings of Fact

- 1. Written notification of the opportunity to submit nominations for separation of existing railroad grade crossings, or alteration or reconstruction of existing separations, pursuant to S&H Code § 2451, was provided to railroads, light rail transit agencies, cities, counties, and others on the service list compiled at the conclusion of the previous Priority List proceeding, and the notice advised them of the deadline to file a nomination for each grade separation project they sought to include in the FY 2020-2021 Priority List.
- 2. RSD received a total of 36 timely-submitted nominations for projects to be included in the current Priority List.
- 3. RSD staff ranked all nominations accepted in this proceeding in priority, and the methodology utilized by RSD to rank the nominations in priority order is that which we have adopted in I.19-06-013.
 - 4. The 2020-2021 Priority List was finalized by RSD to include 36 nominations.

5. The Priority List attached as Appendix A consists of projects nominated and ranked in priority order by RSD staff in accordance with our adopted methodology in this proceeding.

Conclusions of Law

- 1. Appendix A should be adopted as the FY 2020-2021 Priority List in this proceeding.
- 2. The effective date of the Interim Decision must be no later than June 30, 2020 in order to comply with S&H Code § 2452.
- 3. This proceeding should remain open for the purpose of creating the Fiscal Year 2021-2022 Priority List.

ORDER

IT IS ORDERED that:

- 1. By this interim decision, the California Grade Separation Priority List attached as Appendix A is adopted and establishes the Fiscal Year 2020-2021 list, in order of priority, of projects which the Commission determines to be most urgently in need of separation, alteration, or reconstruction.
- 2. The Executive Director shall furnish certified copies of this decision to the California Department of Transportation and the California Transportation Commission by not later than July 1, 2020.
 - 3. Investigation 19-06-013 shall remain open until we issue our final decision.

4. The Commission's Rail Safety Division staff shall take all necessary actions to establish the California Grade Separation Priority List for Fiscal Year 2021-2022 in a timely manner, as required by law.

This order is effective today.

Dated June 25, 2020, at San Francisco, California.

President
LIANE M. RANDOLPH
MARTHA GUZMAN ACEVES
CLIFFORD RECHTSCHAFFEN
GENEVIEVE SHIROMA
Commissioners

Appendix A

California Grade Separation Program Priority List

for Fiscal Year 2020 - 2021

Rank	Agency	Crossing Location	PUC ID	DOT ID	Railroad	VEH	TRN	LTRN	Cost Share	AH/ WC	BD/ HC	VS/ SR	RS/ AS	CG/ POF	PT/ AP	OF/ DE	SCF/ SF	Priority Index
1	City of Burlingame	Broadway Ave.	105E-15.03	754879V	PCJX BNSF	36,286	96	0	5000	8	2	0	6	9	10	1	28	6298.2
					SCRRA													
2	City of Corona	McKinley Street	002B-21.20	026519P	Amtrak UPRR	29,269	105	0	5000	7	4	1	4	14	5	10.5	38.7	4955.9
					Metrolink													
3	City of Oxnard	Rice Ave.	001-E-406.25	745855H	Amtrak	37,515	36	0	5000	10	2	4	6	8	4	10.5	34.5	3005.7
					SCRRA/ Metrolink													
	Orange County				Amtrak													
	Transportation Authority	17th Street	101OR-174.66	026699P	BNSF UPRR	35.441	75	0	5000	3	3		6	44.0	40		39.0	2165.5
4	(Santa Ana)	17th Street	101OR-1/4.00	U20099P	UFKK	30,441	/5	U	5000	3	3	- 1	0	11.0	10	8.0	39.0	2100.0
5	City of Redwood City	Whipple Ave.	105E-24.72	754935A	CalTrain Amtrak	25,673	96	0	10000	6	2	0	6	5	10	13	36	1761.2
_	City of Redwood City	Whippie Ave.	1002-24.72	734633A	BNSF	20,073	80	_	10000	-		- 0	-		10	10	30	1701.2
					UP SCRRA													
6	City of Riverside	Third Street	002B-9.50	026480N	Amtrak	13,452	128	0	5000	4	5	1	3	11	5	12.5	37.8	1759.7
	•	Ravenswood Ave.	105E-28.84	754991G														
_		Oak Grove Ave.	105E-28.65	754990A				ایا	45000									
7	City of Menlo Park	Glenwood Ave.	105E-28.45	754989F	BNSF	35,792	92	0	15000	10	3	1	18	22	30	15.5	107.4	1459.4
		N. Blackstone Blvd.	002-1000.00	028573P														
8	City of Fresno	E. McKinley Blvd.	002-1000.10	028574W	BNSF PCMZ	30,723	39	0	5000	9	5	4	12	17	8	15.0	68.5	1281.6
					PCJX													
9	City of Mountain View	Rengstorff Ave.	105E-34.61	755013M	UPRR	26,005	98	0	5000	1	2	1	6	5	10	10.5	34.5	1053.9
		San Antonio Ave.	003-37.10	810893U														
10	City of Ontario	South San Antonio Ave.	001B-519.60	746939G	UPPR	10,604	59	0	5000	6	6	2	8	14.0	2	10.0	42.0	917.9
					SCRRA/ Metrolink													
	Orange County				Amtrak													
<u></u>	Transportation Authority		404.00 470.04	22225011	BNSF	00.500		ایا	5000		_	_	_	45				040.0
11	(Anaheim)	State College Blvd.	101OR-170.21	026652U	UPRR	22,583	58	0	5000	2	2	2	5	10	8	6.0	33.1	819.0
		Auzerais Ave.	105E-47.35	755097K	PCJX-													
12	City of San Jose	West Virginia St.	105E-47.51	755099Y	Caltrain	7,851	66	0	5000	9	2	0	2	12.4	62	10	70.4	764.9
		Campus Ave.	003-38.30	810907A														
13	City of Ontario	South Campus Ave.	001B-520.70	746944D	UPRR	4,035	77	0	5000	10	3	2	4	16.2	4	10.0	39.2	722.7
					PCMZ PCJX													
14	City of Mountain View	Castro Street	105E-35.80	755015B	UPRR	12,053	98	0	5000	1	3	0	6	4	10	8.0	31.0	503.5

Final Priority List for Fiscal Year 2020-2021

Rame										Cost	AH/	BD/	VS/	RS/	CG/	PT/	OF/	SCF/	Priority
Industry Sour North Ave BRSP Dual Maritime Tracks North Ave BRSP Dual Maritime Tracks North Ave BRSP Dual Maritime Tracks North Ave UPRR Maritime Tracks and Industry Sour Coded Ave. Golden State Frontage Golden State F	Rank	Agency	Crossing Location	PUC ID	DOT ID	Railroad	VEH	TRN	LTRN	Share	WC	HC	SR	AS	POF	AP	DE	SF	
Industry Spur North Ave BNSF Dual 002-994.20 002-994.20 002-994.20 0018-209.10 7573-94K North Ave URFR Maintine Track and Industry Spur Cedar Ave Colored State Frontage 002-994.60 002-994		,	North Ave BNSF	002-994.15C	028465T														
North Ave BINSF Dual Minime Tracks North Ave LPRR Maintine Tracks And Industry Spur Ocedar Ave. Control Character Skews Field Streets) North Ave LPRR Maintine Tracks and Industry Spur Ocedar Ave. 2024-04.10 Streets) 15 City of Fresno Rd. 002-964.00 C024664. 002-964.10 SBNSF 22.205 115 0 5000 4 13 13 7 51 9 12.5 138.6 454 18 City of Ontario Archibald Ave. 003-41.20 810911P UPRR 11,478 30 0 5000 5 2 2 6 13 3 10.0 35.8 449 18 Alameda Corridor East Construction Authority (City Tourbuil Carryon Rd. 003-17.20 810867E SCRRA 12,862 43 0 15000 5 3 1 6 11 4 14.5 39.8 408 19 City of San Jose Chyproweth Ave. 0016-58.45 7561355 Bransham Ln. 0016-58.45 7561355 Construction Authority (City Chyproweth Ave. 0016-58.45 7561357 UP 38,165 12 0 5000 4 3 5 18 27 9 13.0 87.0 204 12.5 12.6 12.6 12.6 12.6 12.6 12.6 12.6 12.6			Industry Spur																
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Industry Spur Codd are Codd			North Ave UPRR	001B-209.10	757394K														
15 City of Fresno Rd City of Fresno Rd City of Charaker Construction Authority Alameda Corridor-East Construction Authority Montebello Blvd. D03-81.33 S11074G UPRR 21,452 43 0 15000 5 2 2 6 13 3 10.0 35.8 449 445 4			Mainline Track and																
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15 City of Presno Rd Rd Rd Rd Rd Rd Rd R				002-994.10	028464L														
15 City of Presno Rd Rd Rd Rd Rd Rd Rd R			Golden State Frontage																
Alameda Corridor East Construction Authority Construction Authority Construction Authority Construction Authority City South City C	15	City of Fresno	_			BNSF	22,205	115	0	5000	4	13	13	7	51	9	12.5	135.6	454.7
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17 Construction Authority Montebello Blvd. 003-8.53 911074G UPRR 21,452 43 0 15000 5 3 1 6 11 4 14.5 39.8 408	16	City of Ontario	Archibald Ave.	003-41.20	810911P	UPRR	11,476	30	0	5000	5	2	2	6	13	3	10.0	35.8	449.0
17 Construction Authority Montebello Blvd. 003-8.53 911074G UPRR 21,452 43 0 15000 5 3 1 6 11 4 14.5 39.8 408		Alameda Corridor Fast																	
Construction Authority (City of Industry) Tumbull Canyon Rd. 003-17.20 810867E SCRRA 12,892 47 0 15000 6 5 1 6 10 4 12.0 37.8 320 Skyway Dr. 001E-5.96 755138Y DP 38,165 12 0 5000 4 3 5 18 27 9 13.0 87.0 294 City of San Jose Chynoweth Ave. 001E-54.80 755137F UP 38,165 12 0 5000 4 3 5 18 27 9 13.0 87.0 294 E. Truxtun Ave. 002-885.40 028280L (close Sumner, Baker, Tullare, and Sonora 002-886.40 028280L 002-888.40 028280L Streets) City of Bakersfield Streets) City of Bakersfield Streets) City of Hanford Grangeville Blvd. 2-969.10 028428R BNSF 23,591 27 0 20000 6 20 8 0 47 0 12.5 167.5 243 Shafter Ave. 002-905.80 028391L Central Ave. 002-905.80 028391L Central Ave. 002-905.50 028391D 028390W Central Ave. 002-904.40 028380G BNSF 19,987 34 0 20000 6 8 3 24 48 16 15.5 142.1 230 Greater Bakersfield Morning Drive (SR 184) 001B-317.50 757413M 028380G BNSF 19,820 34 0 20000 3 4 6 10 20 0 13.0 102.4 197 24 County of Kern Snow Road 001B-307.40 756948H UPRR 8,512 14 0 5000 5 1 3 4 6 0 10.5 35.0 178	17		Montebello Blvd.	003-8.53	811074G	UPRR	21,452	43	0	15000	5	3	1	6	11	4	14.5	39.8	408.8
18		Alameda Corridor-East																	
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City of San Jose Chynoweth Ave. 001E-54.80 755137F UP 38,165 12 0 5000 4 3 5 18 27 9 13.0 87.0 294			Skyway Dr.	001E-53.45	755135S														
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E. Truxtun Ave. (close Sumner, Baker, Tulare, and Sonora D02-885.40 D02-885.77 D028285V D0282	19	City of San Jose	Chynoweth Ave.	001E-54.80	755137F	UP	38,165	12	0	5000	4	3	5	18	27	9	13.0	87.0	294.2
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23 Separation of Grade District Vineland Rd. 001B-318.50 757414U UPRR 19,620 34 0 20000 3 4 6 10 20 0 13.0 102.4 197 24 County of Kern Snow Road 001B-307.40 756948H UPRR 8,512 14 0 5000 5 1 3 4 6 0 10.5 35.0 178		Greater Bakersfield	Morning Drive (SR 184)	001B-317.50	757413M														
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		and the second second					, . ,				Ť								
	24	County of Kern	Snow Road	001B-307.40	756948H	UPRR	8,512	14	0	5000	5	1	3	4	6	0	10.5	35.0	178.0
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25 Stanislaus County Claribel Road 002-1094.50 028755B BNSF 11.363 46 0 5000 0 3 3 6 7 4 13.5 36.3 140	25	Stanislaus County	Claribel Road	002-1094-50	028755B	BNSE	11.363	48	n	5000	n	3	3	8	7	4	13.5	38.3	140.8

Agency		DUCID	DOTID	Dellerad	1/511	TON	LTON	Cost	AH/ WC	BD/	VS/	RS/	CG/	PT/	OF/ DE	SCF/	Priority
	Crossing Location	PUC ID	DOT ID	Railroad	VEH	IRN	LTRN	Share	WC	HC	SR	AS	POF	AP	DE	SF	Index
				BNSF.													
City of Barstow	North 1ST Ave.*	002-746-50.A	026058H	Amtrak	7,438	76	0	5000	6	0	0	0.6	5	3	3.0	17.6	130.7
County of Kern	Olive Drive	001B-308.9	756945M	UPRR	19,487	22	0	5000	0	2	3	5	9	0	11.5	41.8	127.5
	Daine Del Denfer Del																
		nn2-898 8n	028370W	RNSE	2 194	24	0	5000	5	2	4	8	5	4	10.5	313	120.4
Oity of Dakersheld	verikiris ivu.	002-000.00	02007011	DINOI	2,101		_	5000			,	- 0	-		10.0	01.0	120.4
				UPRR													
City of Santa Barbara	Cabrillo Blvd.*	001E-369.66-B	745616H	Amtrak	15,860	29	0	5000	6	4	0	1.7	5	5	2.0	23.7	115.7
City of Bakersfield	Kratzmeyer Rd.	002-897.30	028380R	BNSF	4,224	34	0	5000	1	2	4	6	8	4	11.0	34.8	92.2
		1020 112 20	020472N	C IVD	E4 020	e	.	5000			2		2		15.0	21.0	86.8
County of Kern	30)	1030-113.20	U28473N	SJVK	34,030	0	·	5000	U	- '	3	U		U	15.0	21.0	00.0
County of Kern	Airport Drive*	001B-309.60-B	756943Y	UPRR	25,835	14	0	5000	0	0	0	0	2.0	2	2.0	6.0	78.3
City of Roseville	Washington Blvd.*	001C-108.20-B	753227X	UPRR	20.700	13	0	5000	6	0	0	0	4	3	3.0	16.0	69.8
ony or resource	Trasmigram Erra.				20,700												
					4 007		ايا			ارا							
City of Newark	Central Ave.	001L-31.10	/49943G	UPRR	4,687	29	U	5000	0	1	2	4	9.1	4	8.0	28.1	55.3
																	.
City of Ontario	Grove Avenue*	001B-521.40-B	746956X	UPRR	27,371	1	0	5000	10	0	2	19.9	3	2	6.0	42.9	48.4
												Ţ					
City of Brentwood	Lone Tree Way	001B-50 10	751831H	LIPRR	22 500	1	0	5000	0	n	3	5	7.2	l 0	8.5	21.7	26.2
	County of Kern City of Bakersfield City of Santa Barbara City of Bakersfield County of Kern County of Kern City of Roseville City of Newark City of Ontario	County of Kern Olive Drive Reina RdRenfro Rd. Jenkins Rd. City of Santa Barbara Cabrillo Blvd.* City of Bakersfield Kratzmeyer Rd. Rosedale Highway (SR 58) County of Kern Airport Drive* City of Roseville Washington Blvd.* City of Newark Central Ave. City of Ontario Grove Avenue*	County of Kern Olive Drive 001B-308.9 Reina RdRenfro Rd. 002-896.60 City of Bakersfield Cabrillo Blvd.* 001E-369.66-B City of Bakersfield Kratzmeyer Rd. 002-897.30 County of Kern Rosedale Highway (SR 58) 103Q-113.20 County of Kern Airport Drive* 001B-309.60-B City of Roseville Washington Blvd.* 001C-108.20-B City of Newark Central Ave. 001L-31.10 City of Ontario Grove Avenue* 001B-521.40-B	County of Kern Olive Drive 001B-308.9 756945M City of Bakersfield Reina RdRenfro Rd. Jenkins Rd. 002-896.80 028379W City of Santa Barbara Cabrillo Blvd.* 001E-369.66-B 745616H City of Bakersfield Kratzmeyer Rd. 002-897.30 028380R County of Kern Rosedale Highway (SR 58) 103Q-113.20 029473N County of Kern Airport Drive* 001B-309.80-B 756943Y City of Roseville Washington Blvd.* 001C-108.20-B 753227X City of Newark Central Ave. 001L-31.10 749943G City of Ontario Grove Avenue* 001B-521.40-B 746956X	County of Kern Olive Drive 001B-308.9 756945M UPRR Reina RdRenfro Rd. Jenkins Rd. 002-896.80 028379W BNSF City of Santa Barbara Cabrillo Blvd.* 001E-369.66-B 745616H Amtrak City of Bakersfield Kratzmeyer Rd. 002-897.30 028380R BNSF County of Kern Rosedale Highway (SR 58) 103Q-113.20 029473N SJVR County of Kern Airport Drive* 001B-309.80-B 756943Y UPRR City of Roseville Washington Blvd.* 001C-108.20-B 753227X UPRR City of Newark Central Ave. 001L-31.10 749943G UPRR City of Ontario Grove Avenue* 001B-521.40-B 746956X UPRR	County of Kern Olive Drive 001B-308.9 756945M UPRR 19,487 City of Bakersfield Reina RdRenfro Rd. Jenkins Rd. 002-896.60 028379W BNSF 2,184 City of Santa Barbara Cabrillo Blvd.* 001E-369.66-B 745616H UPRR Amtrak 15,860 City of Bakersfield Kratzmeyer Rd. 002-897.30 028380R BNSF 4,224 County of Kern Rosedale Highway (SR 58) 103Q-113.20 029473N SJVR 54,838 County of Kern Airport Drive* 001B-309.60-B 756943Y UPRR 25,835 City of Roseville Washington Blvd.* 001C-108.20-B 753227X UPRR 20,700 City of Newark Central Ave. 001L-31.10 749943G UPRR 4,687 City of Ontario Grove Avenue* 001B-521.40-B 746956X UPRR 27,371	County of Kern Olive Drive 001B-308.9 758945M UPRR 19,487 22 City of Bakersfield Reina RdRenfro Rd. 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Definitions and Abbreviations used in the Priority List Table:

VEH – Vehicle **TRN** – Train

LTRN - Light Rail Trains **COST Share** - Project Cost Share (a cost of more than \$5 million is permitted for qualified projects per S&H Code Section 2454 (h) for multi-year funding)

Crossings Nominated for Separation or Elimination:

AH - Accident History **BD** - Crossing Blocking Delay

VS - Vehicular Speed Limit **CG** - Crossing Geometrics **RS** - Rail Speed Limit **PT** - Passenger trains

SCF - Special Conditions Factor OF - Other Factors (Passenger Buses, School Buses, Hazmat Trucks, Community

Impact)

*Existing Grade Separations Nominated for Alteration or Reconstruction:

WC - Width Clearance HC - Height Clearance

SR - Speed Reduction **AS** - Accidents near Structure

POF - Probability of Failure **AP** - Accident Potential **DE** - Delay Effects **SF** - Separation Factor

Railroad Abbreviations:

BNSF: The Burlington Northern Santa Fe Railway Company **PCJX**: Peninsula Corridor Joint Powers Board (Caltrain/PCMZ) **SCRRA**: Southern California Regional Rail Authority (Metrolink)

SJVR: San Joaquin Valley Railroad **UPRR**: Union Pacific Railroad Company

AMTRAK: National Railroad Passenger Corporation

(END OF APPENDIX A)