**APPENDIX A**

**APPENDIX A**

**California Grade Separation Program**

**Priority List**

**for Fiscal Year 2023-2024**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Rank** | **Agency** | **Crossing Location** | **PUC ID** | **DOT ID** | **Railroad** | **VEH** | **TRN** | **LTRN** | **Cost Share**  **(M)** | **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 | 32,028 | 108 | 0 | 5000 | 12 | 2 | 0 | 6 | 9 | 10 | 1 | 28 | 9021.5 |
| 2 | Orange County Transportation Authority (Santa Ana) | 17th Street | 101OR-174.66 | 026699P | SCRRA/  Metrolink Amtrak BNSF UPRR | 34,617 | 53 | 0 | 5000 | 4 | 3 | 1 | 6 | 10.0 | 7 | 14.0 | 41.0 | 1875.7 |
| 3 | City of Riverside | Third Street | 002B-9.50 | 026480N | BNSF UPRR SCRRA  Amtrak | 13,291 | 90 | 0 | 5000 | 6 | 5 | 1 | 3 | 11 | 5 | 12.5 | 37.8 | 1712.5 |
| 4 | City of Menlo Park | Ravenswood Ave. Oak Grove Ave. Glenwood Ave. | 105E-28.84,  105E-28.65,  105E-28.45 | 754991G,  754990A,  754989F | PCJX UPRR | 30,739 | 110 | 0 | 15000 | 12 | 6 | 1 | 18 | 34 | 30 | 14.0 | 102.9 | 1615.4 |
| 5 | City of Oxnard | Rice Ave. | 001E-406.25 | 745855H | UPRR  Metrolink Amtrak | 30,301 | 32 | 0 | 5000 | 7 | 1 | 4 | 6 | 8 | 4 | 13.0 | 36.0 | 1587.4 |
| 6 | City of Ontario | Campus Ave., So Campus Ave. | 003-38.30,  001B-520.70 | 810907A,  746944D | UPRR | 8,226 | 53 | 0 | 5000 | 10 | 3 | 2 | 4 | 16.2 | 4 | 9.5 | 38.7 | 997.9 |
| 7 | City of Stockton | West Lane | 001BEL-82.14 | 752897L | UPRR | 26,571 | 33 | 0 | 5000 | 4 | 2 | 2 | 3 | 9 | 2 | 11.0 | 28.8 | 905.6 |
| 8 | City of Mountain View | Rengstorff Ave. | 105E-34.61 | 755013M | PCMZ PCJX UPRR | 16,323 | 110 | 0 | 5000 | 1 | 2 | 1 | 6 | 9 | 10 | 10.5 | 38.5 | 756.7 |
| 9 | City of Sunnyvale | Mary Ave | 105E-37.82 | 755037B | UPRR | 14,575 | 110 | 0 | 15000 | 5 | 0 | 2 | 6 | 12 | 10 | 11.0 | 40.6 | 681.9 |
| 10 | City of South San Francisco and City of San Bruno | South Linden Ave. Scott Street | 105E-10.13  105E-10.48 | 754866U  754867B | PCJX | 7,824 | 216 | 0 | 5000 | 5 | 5 | 3 | 12 | 24 | 8 | 12.0 | 64.1 | 633.2 |
| 11 | City of San Jose | Auzerais Ave. West Virginia St. | 105E-47.35  105E-47.51 | 755097K  755099Y | PCJX  Caltrain UPRR ACEX  Amtrak | 7,293 | 185 | 0 | 5000 | 6 | 4 | 0 | 1 | 15.0 | 20 | 11 | 51.0 | 601.6 |

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| **Rank** | **Agency** | **Crossing Location** | **PUC ID** | **DOT ID** | **Railroad** | **VEH** | **TRN** | **LTRN** | **Cost Share**  **(M)** | **AH**/WC | **BD**/HC | **VS**/SR | **RS**/AS | **CG**/POF | **PT**/AP | **OF**/DE | **SCF**/SF | **Priority**  **Index** |
| 12 | City of Ontario | San Antonio Ave.  South San Antonio Ave. | 003-37.10,  001B-519.60 | 810893U,  746939G | UPRR | 11,220 | 58 | 0 | 5000 | 3 | 6 | 2 | 8 | 10.0 | 0 | 10.5 | 36.5 | 557.1 |
| 13 | Orange County Transportation Authority (Anaheim) | State College Blvd. | 101OR-170.21 | 026652U | SCRRA/  Metrolink Amtrak BNSF UPRR | 18,962 | 39 | 0 | 5000 | 2 | 2 | 2 | 5 | 10 | 6 | 10.5 | 35.6 | 479.3 |
| 14 | City of Ontario | Archibald Ave. | 003-41.20 | 810911P | UPRR | 9,109 | 24 | 0 | 5000 | 7 | 2 | 2 | 6 | 13 | 0 | 10.0 | 32.8 | 382.6 |
| 15 | City of San Jose | Skyway Dr, Branham Ln, Chynoweth Ave | 001E-53.45,  001E-53.95,  001E-54.80 | 755135S,  755136Y,  755137F | UPRR | 33,715 | 30 | 0 | 5000 | 9 | 3 | 5 | 18 | 27 | 9 | 12.5 | 74.5 | 341.0 |
| 16 | City of Fresno | N. Blackstone Blvd.  E. McKinley Blvd. | 002-1000.00,  002-1000.10 | 028573P,  028574W | BNSF | 30,946 | 58 | 0 | 15000 | 7 | 6 | 4 | 12 | 16 | 6 | 14.0 | 58.5 | 325.7 |
| 17 | City of Ontario | **Grove Avenue\*** | 001B-521.40-B | 746956X | UPRR | 37,063 | 36 | 0 | 5000 | 10 | 0 | 2 | 14.7 | 3 | 5 | 7.0 | 41.7 | 308.6 |
| 18 | County of Kern | Olive Drive | 001B-308.9 | 756945M | UPRR | 15,669 | 22 | 0 | 5000 | 3 | 2 | 3 | 5 | 9 | 0 | 12.0 | 30.8 | 306.6 |
| 19 | City of Shafter | Shafter Ave. Central Ave. Lerdo Hwy. Beech Ave | 002-905.80,  002-905.50,  002-905.10,  002-904.40 | 028392K02 | BNSF | 28,772 | 144 | 0 | 20000 | 5 | 8 | 5 | 24 | 45 | 16 | 15.5 | 113.9 | 275.1 |
| ~~20~~ | ~~San Bernardino~~ ~~County Transportation~~ ~~Authority~~ | **~~Cedar Avenue\*~~** | **~~001B-534.70-A~~** | **~~746980Y~~** | ~~UPRR~~ | ~~35,794~~ | ~~35~~ | ~~0~~ | ~~5000~~ | ~~4~~ | ~~0~~ | ~~2~~ | ~~2.5~~ | ~~4~~ | ~~4~~ | ~~5.0~~ | ~~21.5~~ | ~~272.1~~ |
| 21 | City of Stockton | Airport Way | **002-1120.40** | 029598N | UPRR | 8,482 | 36 | 0 | 5000 | 2 | 3 | 1 | 4 | 10 | 4 | 10.5 | 32.6 | 215.8 |
| 22 | City of Shafter | Beech Ave Cherry Ave | 002-904.40  002-903.00 | 028386G  028384T | BNSF | 5,609 | 72 | 0 | 5000 | 4 | 4 | 8 | 12 | 19.92 | 8 | 12 | 63.92 | 212.7 |

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| **Rank** | **Agency** | **Crossing Location** | **PUC ID** | **DOT ID** | **Railroad** | **VEH** | **TRN** | **LTRN** | **Cost Share**  **(M)** | **AH**/WC | **BD**/HC | **VS**/SR | **RS**/AS | **CG**/POF | **PT**/AP | **OF**/DE | **SCF**/SF | **Priority**  **Index** |
| 23 | Greater Bakersfield Separation of Grade  District | Morning Drive (SR 184) Vineland Rd. | 001B-317.50,  001B-318.50 | 757413M,  757414U | UPRR | 18,370 | 64 | 0 | 20000 | 3 | 4 | 6 | 10 | 20 | 0 | 13.0 | 71.4 | 186.0 |
| ~~24~~ | ~~Stanislaus County~~ | ~~Claribel Road~~ | ~~002-1094.50~~ | ~~028755B~~ | ~~BNSF~~ | ~~13,271~~ | ~~46~~ | ~~0~~ | ~~5000~~ | ~~0~~ | ~~3~~ | ~~5~~ | ~~6~~ | ~~8~~ | ~~4~~ | ~~10.5~~ | ~~36.3~~ | ~~158.4~~ |
| 25 | City of Bakersfield | E. Truxtun Ave.  (close Sumner, Baker, Tulare, and Sonora Streets) | 002-886.40,  002-885.40,  002-885.77,  002-885.95,  002-886.20 | 028289X,  028280L,  028284N,  028285V,  028288R | BNSF | 17,063 | 125 | 0 | 20000 | 6 | 19 | 8 | 0 | 47 | 0 | 11.0 | 84.5 | 155.6 |
| 26 | City of Sunnyvale | Sunnyvale Ave. | 105E-38.79 | 755042X | UPRR | 7,060 | 110 | 0 | 15000 | 0 | 0 | 12.6 | 10 | 0 | 0 | 0.5 | 41.1 | 144.6 |
| 27 | City of Stockton | Alpine Avenue (East) | **001BEL-81.94** | **752898T** | UPRR | 16,221 | 33 | 0 | 5000 | 0 | 2 | 2 | 0 | 13 | 2 | 12.0 | 31.0 | 138.0 |
| 28 | City of Mountain View | Castro Street | 105E-35.80 | 755015B | PCMZ  PCJX UPRR | 2,268 | 110 | 0 | 5000 | 1 | 3 | 0 | 6 | 8 | 10 | 8.0 | 35.0 | 134.8 |
| 29 | County of Kern | Rosedale Highway (SR 58) | 103Q-113.20 | 029473N | SJVR | 56,484 | 7 | 0 | 5000 | 0 | 1 | 3 | 0 | 2 | 0 | 14.0 | 20.0 | 99.1 |
| 30 | City of Bakersfield | Kratzmeyer Rd. | 002-897.30 | 028380R | BNSF | 4,320 | 36 | 0 | 5000 | 1 | 2 | 4 | 6 | 8 | 4 | 11.0 | 34.8 | 97.0 |
| 31 | City of Bakersfield | Reina Rd. - Renfro Rd. Jenkins Rd. | 002-896.60 | 028379W | BNSF | 1,777 | 36 | 0 | 5000 | 3 | 2 | 4 | 6 | 5 | 4 | 10.5 | 31.3 | 82.5 |
| 32 | City of Oakland | Market St. | 001D-6.20 | 749580R | UPRR | 2,036 | 58 | 0 | 5,000 | 1 | 1 | 0 | 0 | 9 | 7 | 10.0 | 27.4 | 74.6 |
| 33 | County of Kern | **Airport Drive\*** | 001B-309.60-B | 756943Y | UPRR | 22,245 | 14 | 0 | 5000 | 0 | 0 | 0 | 0.6 | 4.0 | 4 | 2.0 | 10.6 | 72.9 |

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| **Rank** | **Agency** | **Crossing Location** | **PUC ID** | **DOT ID** | **Railroad** | **VEH** | **TRN** | **LTRN** | **Cost Share**  **(M)** | **AH**/WC | **BD**/HC | **VS**/SR | **RS**/AS | **CG**/POF | **PT**/AP | **OF**/DE | **SCF**/SF | **Priority**  **Index** |
| 34 | City of Santa Barbara | **Cabrillo Blvd.\*** | 001E-369.66-B | 745616H | UPRR  Amtrak | 7,930 | 16 | 0 | 5000 | 6 | 4 | 0 | 1.2 | 7 | 5 | 5.0 | 28.2 | 53.6 |
| 35 | City of Redding | South Street | 001C-258.00 | 750509D | UPRR | 5,681 | 21 | 0 | 5000 | 1 | 1 | 0 | 5 | 11 | 0 | 10.5 | 27.9 | 51.8 |
| 36 | Sutter County | Riego Rd. | 004-150.90 | 833698J | UPRR | 10,042 | 10 | 0 | 5000 | 0 | 1 | 5 | 5 | 5.3 | 0 | 7.0 | 23.3 | 43.4 |
| 37 | City of Stockton | Alpine Avenue (West) | 004-95.70 | 833939V | UPRR | 10,207 | 6 | 0 | 5000 | 0 | 1 | 1 | 0 | 11 | 0 | 10.5 | 23.6 | 35.9 |
| 38 | City of Brentwood | Lone Tree Way | 001B-59.10 | 751831H | UPRR | 24,850 | 1 | 0 | 5000 | 0 | 0 | 3 | 5 | 7.2 | 0 | 6.5 | 21.7 | 26.7 |
| **\*GSN2** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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 **RS** - Rail Speed Limit

**CG** - Crossing Geometrics **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)**