

**APPENDIX 4: GSN-1 FORM**

**BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA**

Order Instituting Investigation for the purpose of establishing a list for the fiscal years 2022-2023 and 2023-2024 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.

FILED  
PUBLIC UTILITIES COMMISSION  
June 24, 2021  
SAN FRANCISCO, CALIFORNIA  
INVESTIGATION 21-06-018

## Nomination for Separation Of Existing At-Grade Crossing

Nomination by: Sutter County

|                      |                               |
|----------------------|-------------------------------|
| Road/Highway         | Riego Road                    |
| CPUC Crossing ID No. | 004-150.90                    |
| DOT ID No.           | 833698J                       |
| Railroad(s)          | Union Pacific Railroad (UPRR) |

**A. Nominating Party**

|               |                                           |                               |                |          |                |                      |
|---------------|-------------------------------------------|-------------------------------|----------------|----------|----------------|----------------------|
| Agency Name   | <b>Sutter County Development Services</b> |                               |                |          |                |                      |
| Contact Name  | Title                                     | Street Address                | City           | Zip Code | Telephone      | E-mail               |
| Neal Hay      | Director Development Services             | 1130 Civic Center Blvd        | Yuba City      | 95993    | (530) 822-7400 | NHay@co.sutter.ca.us |
| Alternate     |                                           |                               |                |          |                |                      |
| Dennis Haglan | Vice President/ Project Manager           | 11060 White Rock Rd Suite 200 | Rancho Cordova | 95670    | (916) 231-0968 | DHaglan@dewberry.com |

**B. Crossing Location and Project Type**

|                                     |                               |
|-------------------------------------|-------------------------------|
| Road/Highway Name                   | Riego Road                    |
| CPUC ID NO.                         | 004-150.90                    |
| DOT ID NO.                          | 833698J                       |
| City/County/ZIP Code                | Sutter County                 |
| Railroad(s)                         | Union Pacific Railroad (UPRR) |
| Project Type                        | Underpass [ ] Overpass [ X ]  |
| Is project part of a consolidation? | Yes [ ] No [ X ]              |

**C. Average Daily Vehicle and Train Volumes**

|                                                  |       |                          |    |
|--------------------------------------------------|-------|--------------------------|----|
| Autos                                            | 10042 | Freight Trains           | 10 |
| School Buses                                     | N/A   | Passenger Trains         | 0  |
| Passenger Buses                                  | N/A   | Light Rail Trains        | 0  |
| Hazmat Trucks                                    | N/A   |                          |    |
| <b>TOTAL VEHICLE COUNT</b>                       | 10042 | <b>TOTAL TRAIN COUNT</b> | 10 |
| Date of Count(s): 2021                           |       | Date of Count(s): 2019*  |    |
| *From FRA Inventory Report last updated 07/27/21 |       |                          |    |

**D. Costs and Contributions**

|                                         |                            |
|-----------------------------------------|----------------------------|
| Right-of Way allowance                  | <u>\$400,000</u>           |
| Preliminary Engineering                 | <u>\$5,400,000</u>         |
| Construction Engineering                | <u>\$6,700,000</u>         |
| <b>Total Engineering</b>                | <u>\$12,500,000</u>        |
| Bridge Construction                     | <u>\$34,000,000</u>        |
| Railroad Work                           | <u>\$</u>                  |
| Highway Approaches & Connections        | <u>\$10,900,000</u>        |
| Utility Relocation                      | <u>\$</u>                  |
| Contingencies                           | <u>\$</u>                  |
| Removing Existing Crossing              | <u>\$</u>                  |
| <b>Total Construction Costs</b>         | <u>\$44,900,000</u>        |
| <b>TOTAL PROJECT COST</b>               | <b><u>\$57,400,000</u></b> |
| <b>ALLOCATED SHARE FROM STATE FUND:</b> | <b><u>\$5,000,000</u></b>  |

Contributions:

|                           |              |
|---------------------------|--------------|
| City                      | \$           |
| County                    | \$5,752,205  |
| Railroad                  | \$2,250,000  |
| Other<br>(Developer Fees) | \$44,397,795 |

**E. Accident History Data**

| <b>Total Number of Trains vs. Vehicle and Pedestrian Accidents *</b> |           |           |            |
|----------------------------------------------------------------------|-----------|-----------|------------|
| Source: FRA Database                                                 | Date: n/a | Killed: 0 | Injured: 0 |

\* List all accidents separately in the 10 years period prior to the nomination due date of Friday, **October 22, 2021** (from **October 23, 2011** to **October 22, 2021**). For each accident specify the accident date, the number of fatalities and injuries.

**F. Blocking Delay and Speed Limits**

|                               |                                                                                   |
|-------------------------------|-----------------------------------------------------------------------------------|
| Total Blocking Delay          | 2.5 min delay x 10 trains = 25 Min                                                |
| Number of Observed Delays     | 3                                                                                 |
| Information Provided by:      | Railroad <input type="checkbox"/> Observation <input checked="" type="checkbox"/> |
| Date Delays Verified          | 10/21/21 (through 1:15pm)                                                         |
| Posted Vehicle Speed Limit    | 55 mph                                                                            |
| Train Speed Limit at Crossing | 70 mph                                                                            |

**G. Crossing Geometrics**

|                                                  |                                                                                                                             |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Track Skewed Angle = 8°                          | Is there a parallel road to the track within 200 ft?<br>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| Number of Tracks = 1                             | Are there traffic signals within 200 ft?<br>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>             |
| Elevated Surface Profile<br>Direction: Eastbound | Is there an entrance/exit within 100 ft?<br>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>             |
| Height: 2 inch<br>Direction: Westbound           | Is there a raised median on each approach?<br>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>           |
| Height: 2 inch                                   | Is there curvature on the road or track?<br>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>             |

**H. Other Information / Attachments**

|                                                                                                  |                                                                     |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| Did you enclose a letter size (8 1/2" x 11") location map?                                       | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| Did you enclose an 8"x10" photo of each crossing's approach, for a total of two (2) photographs? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| Did you attach a brief Community Impact evaluation?                                              | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |

**I. Declaration**

I, NEAL HAY, declare under penalty of perjury that the information on this form is true and correct to the best of my knowledge. The information has been verified by me or under my supervision and is the most current information available.

Signature: NRH  
Date: 10/22/2021

Title: DIRECTOR OF  
DEVELOPMENT  
SERVICES



**Figure 1: Riego Road Grade Separation Location Map**



**Figure 2: Riego Road & UPRR Looking West (Google Maps)**





**Figure 3: Riego Road & UPRR Looking East (Google Maps)**

# Community Impact Evaluation

Sutter County

Riego Road Overhead at Union Pacific Railroad (UPRR)

## *Description of Existing Facility*

Riego Road is currently classified as a Rural Major Collector and consists of two lanes running east-west. It is a continuation of Baseline Road in Placer County and extends west intersecting SR-99 before terminating at Garden Highway. It also provides local access to the City of Roseville urban area in Placer County. Per the Sutter County General Plan, the future classification of Riego Road will be an Urban Minor Arterial consisting of six lanes ultimately. The UPRR corridor is running north-south and is at a slight skew to Riego Road. The nearby local roads include Natomas Road and Pleasant Grove Road (North) and both consist of two lanes and intersect with Riego Road. Adjacent to and parallel with Natomas Road is Steelhead Creek, also known as the Natomas East Main Drainage Canal. Riego Road stays at grade while it bridges over this canal. There are currently no pedestrian or active transportation facilities along Riego Road and the two local roads within the crossing improvement project area.



Figure 1: Project Area Map (Google Maps)

As noted in the Project Study Report Equivalent for the Riego Road / Baseline Road corridor widening, the economic growth and planned development along this corridor have transformed over the past decade and the two-lane road is experiencing traffic congestion. An estimated 20,000 vehicles per day currently travel on the corridor, and as more home construction occurs, the number is expected to double to 40,000. To accommodate the planned traffic growth, the Riego Road / Baseline Road corridor widening project proposes to widen the road to four lanes in the interim condition and to the ultimate condition of six lanes when additional funding is available. The grade separation project is planned to accommodate and work in conjunction with the roadway widening.



## ***Project Benefits***

The grade separation proposes to raise Riego Road over the Natomas East Main Drainage Canal and the UPRR corridor eliminating the rail/motor vehicle conflict point and minimizing vehicular conflicts. Natomas Road and Pleasant Grove (North) will be modified to maintain their connectivity to Riego Road. The grade separation will improve safety and mobility of the region.

### **Reduced Blocking Delay and Improved Safety**

Riego Road is a heavily traveled east-west County route that currently carries approximately 10,042 vehicles per day per 2021 traffic data. This volume is expected to grow significantly due to the increase in traffic along the Riego Road / Baseline Road corridor. Riego Road is posted for a 55 miles per hour (mph) speed limit, as is Natomas Road that intersects Riego Road approximately 500 feet west of the crossing. According to data provided by the FRA, there is an average of 10 trains passing through the crossing at Riego Road every day. The typical train speed range over this crossing is from 35 to 70 mph.

The “blocking/delay time” associated with those trains equates to approximately 30 total minutes of vehicle delay each day. As the local population grows and traffic increases, congestion at this railroad crossing will worsen, resulting in a greater potential for accidents.

Although there have been no recent accidents at this crossing, the proposed project to widen Riego Road to four lanes and ultimately six lanes along with the proposed multi-use developments are expected to greatly increase the traffic on Riego Road. This increase will result in a higher chance of a train vs vehicle incident.

The proposed grade separation will enhance mobility and public safety at this crossing which is located within the Riego Road / Baseline Road corridor. The grade separation will accommodate all modes of transportation, including pedestrians and active transportation. Public safety will also be enhanced through improved response times for emergency vehicles.

### **Improved Geometrics**

The existing roadway network at the crossing does not contain any facilities for pedestrians and active transportation. The proposed grade separation will provide improvements for active transportation to give current and future residents a safe and direct means of making regional bicycle and pedestrian connections, dramatically improving safety on a regional rural route.

Within 250 feet of the crossing, there are three private property dirt driveways along Riego Road. With the planned project that will widen Riego Road including crossing improvements, these access points for the private properties will be restricted to right-turn only access. The grade separation will accommodate these access points and provide alternate access that will provide safe and full connectivity to Riego Road.

## **Reduced Vehicle Emissions**

Approximately 3 minutes of delay and 2.0 hours of total vehicle delay per day will be eliminated as a result of this project. The total vehicle delay per day will increase to 7.7 hours for the projected future growth volumes. This reduction in delay and idling vehicles will reduce vehicle emissions (volatile organic compounds, carbon monoxide, nitrogen oxides, and particulate matter) by nearly 186 combined kilograms annually per existing volumes and 734 kilograms annually for the projected future volumes.

## **Truck Access**

The existing land use in the area of the grade crossing is classified in the Sutter County General Plan as agriculture (80-acre minimum). With the approval of the Sutter Pointe Specific Plan, the land use for the area west of Natomas Road on both sides of Riego Road have been classified as a Growth Area, which is defined as an area within Sutter County targeted for new growth and services. The proposed developments are expected to be multi-use including residential, recreational, industrial, and commercial land uses. Even with these developments, trucks serving remaining agricultural land uses in the area will continue to travel on Riego Road. The grade separation would improve the business efficiency and eliminate delays and costs that are associated with current crossing delays.

## **Emergency Access**

There are several fire stations in the vicinity of the Riego Road and UPRR at-grade crossing. The closest one is Metro Fire Station 116 that is approximately 3.5 miles southeast of the crossing. The Pleasant Grove Fire Department is located approximately 6 miles to the north with access to Riego Road via Pleasant Grove Road. Potential delays for response time for emergency personnel, such as fire and police, would significantly improve if a grade separation were installed at the existing railroad crossing.

## **Appendix:**

- A. Federal Rail Administration: Inventory Report
- B. Federal Rail Administration: Accident Report
- C. Fire Stations and Map
- D. Vehicle Emissions Calculations
- E. Riego Road Daily Volumes and Affidavit
- F. Letter of Support

## **Appendix A:**

Federal Rail Administration

(Inventory Report)

# U. S. DOT CROSSING INVENTORY FORM

## DEPARTMENT OF TRANSPORTATION

FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk \* denotes an optional field.

|                                                           |                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                    |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| <b>A. Revision Date</b><br>(MM/DD/YYYY)<br>07 / 27 / 2021 | <b>B. Reporting Agency</b><br><input checked="" type="checkbox"/> Railroad <input type="checkbox"/> Transit<br><input type="checkbox"/> State <input type="checkbox"/> Other | <b>C. Reason for Update (Select only one)</b><br><input checked="" type="checkbox"/> Change in Data <input type="checkbox"/> New Crossing <input type="checkbox"/> Closed<br><input type="checkbox"/> Re-Open <input type="checkbox"/> Date Change Only <input type="checkbox"/> Change in Primary Operating RR<br><input type="checkbox"/> No Train Traffic <input type="checkbox"/> Quiet Zone Update <input type="checkbox"/> Admin. Correction | <b>D. DOT Crossing Inventory Number</b><br>833698J |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|

### Part I: Location and Classification Information

|                                                                                                                                                                                                                                                                                                                                        |  |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                             |                                                                                                                                                 |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>1. Primary Operating Railroad</b><br>Union Pacific Railroad Company [UP]                                                                                                                                                                                                                                                            |  | <b>2. State</b><br>CALIFORNIA                                                                                                                                                                                                                                                 |                                                                                                                                                                                                             | <b>3. County</b><br>SUTTER                                                                                                                      |  |
| <b>4. City / Municipality</b><br><input type="checkbox"/> In <input checked="" type="checkbox"/> Near PLEASANT GROVE                                                                                                                                                                                                                   |  | <b>5. Street/Road Name &amp; Block Number</b><br>RIEGO ROAD<br>(Street/Road Name)    * (Block Number)                                                                                                                                                                         |                                                                                                                                                                                                             | <b>6. Highway Type &amp; No.</b><br>LS                                                                                                          |  |
| <b>7. Do Other Railroads Operate a Separate Track at Crossing?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>If Yes, Specify RR                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                               | <b>8. Do Other Railroads Operate Over Your Track at Crossing?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>If Yes, Specify RR                                                 |                                                                                                                                                 |  |
| <b>9. Railroad Division or Region</b><br><input type="checkbox"/> None    NORTHERN CALIFORNIA                                                                                                                                                                                                                                          |  | <b>10. Railroad Subdivision or District</b><br><input type="checkbox"/> None    Sacramento Sub                                                                                                                                                                                |                                                                                                                                                                                                             | <b>11. Branch or Line Name</b><br><input checked="" type="checkbox"/> None                                                                      |  |
| <b>12. RR Milepost</b><br>0150.870<br>(prefix)   (nnnn.nnn)   (suffix)                                                                                                                                                                                                                                                                 |  | <b>13. Line Segment</b> *                                                                                                                                                                                                                                                     |                                                                                                                                                                                                             |                                                                                                                                                 |  |
| <b>14. Nearest RR Timetable Station</b> *                                                                                                                                                                                                                                                                                              |  | <b>15. Parent RR (if applicable)</b><br><input checked="" type="checkbox"/> N/A                                                                                                                                                                                               |                                                                                                                                                                                                             | <b>16. Crossing Owner (if applicable)</b><br><input type="checkbox"/> N/A    UP                                                                 |  |
| <b>17. Crossing Type</b><br><input checked="" type="checkbox"/> Public <input type="checkbox"/> Private                                                                                                                                                                                                                                |  | <b>18. Crossing Purpose</b><br><input checked="" type="checkbox"/> Highway <input type="checkbox"/> Pathway, Ped. <input type="checkbox"/> Station, Ped.                                                                                                                      |                                                                                                                                                                                                             | <b>19. Crossing Position</b><br><input checked="" type="checkbox"/> At Grade <input type="checkbox"/> RR Under <input type="checkbox"/> RR Over |  |
| <b>20. Public Access (if Private Crossing)</b><br><input type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                                                             |  | <b>21. Type of Train</b><br><input checked="" type="checkbox"/> Freight <input type="checkbox"/> Intercity Passenger <input type="checkbox"/> Commuter<br><input type="checkbox"/> Transit <input type="checkbox"/> Shared Use Transit <input type="checkbox"/> Tourist/Other |                                                                                                                                                                                                             | <b>22. Average Passenger Train Count Per Day</b><br><input type="checkbox"/> Less Than One Per Day <input type="checkbox"/> Number Per Day 0    |  |
| <b>23. Type of Land Use</b><br><input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Farm <input type="checkbox"/> Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Institutional <input type="checkbox"/> Recreational <input type="checkbox"/> RR Yard |  |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                             |                                                                                                                                                 |  |
| <b>24. Is there an Adjacent Crossing with a Separate Number?</b><br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No    If Yes, Provide Crossing Number                                                                                                                                                             |  |                                                                                                                                                                                                                                                                               | <b>25. Quiet Zone (FRA provided)</b><br><input checked="" type="checkbox"/> No <input type="checkbox"/> 24 Hr <input type="checkbox"/> Partial <input type="checkbox"/> Chicago Excused    Date Established |                                                                                                                                                 |  |
| <b>26. HSR Corridor ID</b><br><input checked="" type="checkbox"/> N/A                                                                                                                                                                                                                                                                  |  | <b>27. Latitude in decimal degrees</b><br>(WGS84 std: nn.nnnnnnn) 38.7512592                                                                                                                                                                                                  |                                                                                                                                                                                                             | <b>28. Longitude in decimal degrees</b><br>(WGS84 std: -nnn.nnnnnnn) -121.4925508                                                               |  |
| <b>29. Lat/Long Source</b><br><input checked="" type="checkbox"/> Actual <input type="checkbox"/> Estimated                                                                                                                                                                                                                            |  | <b>30.A. Railroad Use *</b>                                                                                                                                                                                                                                                   |                                                                                                                                                                                                             |                                                                                                                                                 |  |
| <b>30.B. Railroad Use *</b>                                                                                                                                                                                                                                                                                                            |  | <b>31.A. State Use *</b><br>CPUC 004-150.90                                                                                                                                                                                                                                   |                                                                                                                                                                                                             |                                                                                                                                                 |  |
| <b>30.C. Railroad Use *</b>                                                                                                                                                                                                                                                                                                            |  | <b>31.B. State Use *</b>                                                                                                                                                                                                                                                      |                                                                                                                                                                                                             |                                                                                                                                                 |  |
| <b>30.D. Railroad Use *</b>                                                                                                                                                                                                                                                                                                            |  | <b>31.C. State Use *</b>                                                                                                                                                                                                                                                      |                                                                                                                                                                                                             |                                                                                                                                                 |  |
| <b>30.E. Railroad Use *</b>                                                                                                                                                                                                                                                                                                            |  | <b>31.D. State Use *</b>                                                                                                                                                                                                                                                      |                                                                                                                                                                                                             |                                                                                                                                                 |  |
| <b>32.A. Narrative (Railroad Use) *</b>                                                                                                                                                                                                                                                                                                |  |                                                                                                                                                                                                                                                                               | <b>32.B. Narrative (State Use) *</b>                                                                                                                                                                        |                                                                                                                                                 |  |
| <b>33. Emergency Notification Telephone No. (posted)</b><br>800-848-8715                                                                                                                                                                                                                                                               |  | <b>34. Railroad Contact (Telephone No.)</b><br>402-544-3721                                                                                                                                                                                                                   |                                                                                                                                                                                                             | <b>35. State Contact (Telephone No.)</b><br>415-703-3722                                                                                        |  |

### Part II: Railroad Information

|                                                                                                                                                                                                                                                                                                       |                                                         |                                                                                                                                             |                                       |                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------|
| <b>1. Estimated Number of Daily Train Movements</b>                                                                                                                                                                                                                                                   |                                                         |                                                                                                                                             |                                       |                                                                                                             |
| <b>1.A. Total Day Thru Trains (6 AM to 6 PM)</b><br>5                                                                                                                                                                                                                                                 | <b>1.B. Total Night Thru Trains (6 PM to 6 AM)</b><br>5 | <b>1.C. Total Switching Trains</b><br>0                                                                                                     | <b>1.D. Total Transit Trains</b><br>0 | <b>1.E. Check if Less Than One Movement Per Day</b> <input type="checkbox"/><br>How many trains per week?   |
| <b>2. Year of Train Count Data (YYYY)</b><br>2019                                                                                                                                                                                                                                                     |                                                         | <b>3. Speed of Train at Crossing</b><br>3.A. Maximum Timetable Speed (mph) 70<br>3.B. Typical Speed Range Over Crossing (mph) From 35 to 70 |                                       |                                                                                                             |
| <b>4. Type and Count of Tracks</b><br>Main 1    Siding 0    Yard 0    Transit 0    Industry 0                                                                                                                                                                                                         |                                                         |                                                                                                                                             |                                       |                                                                                                             |
| <b>5. Train Detection (Main Track only)</b><br><input checked="" type="checkbox"/> Constant Warning Time <input type="checkbox"/> Motion Detection <input type="checkbox"/> AFO <input type="checkbox"/> PTC <input type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/> None |                                                         |                                                                                                                                             |                                       |                                                                                                             |
| <b>6. Is Track Signaled?</b><br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                                   |                                                         | <b>7.A. Event Recorder</b><br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                           |                                       | <b>7.B. Remote Health Monitoring</b><br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |



# U. S. DOT CROSSING INVENTORY FORM

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                      |                                                                                                                                                                                                                                                                                                                                             |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| A. Revision Date (MM/DD/YYYY)<br>07/27/2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | PAGE 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                      | D. Crossing Inventory Number (7 char.)<br>833698J                                                                                                                                                                                                                                                                                           |  |
| <b>Part III: Highway or Pathway Traffic Control Device Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                      |                                                                                                                                                                                                                                                                                                                                             |  |
| 1. Are there Signs or Signals?<br><br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | 2. Types of Passive Traffic Control Devices associated with the Crossing                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                      |                                                                                                                                                                                                                                                                                                                                             |  |
| 2.A. Crossbuck Assemblies (count)<br>0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | 2.B. STOP Signs (R1-1) (count)<br>0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2.C. YIELD Signs (R1-2) (count)<br>0 | 2.D. Advance Warning Signs (Check all that apply; include count) <input type="checkbox"/> None<br><input checked="" type="checkbox"/> W10-1 2 <input type="checkbox"/> W10-3 _____ <input type="checkbox"/> W10-11 _____<br><input type="checkbox"/> W10-2 _____ <input type="checkbox"/> W10-4 _____ <input type="checkbox"/> W10-12 _____ |  |
| 2.E. Low Ground Clearance Sign (W10-5)<br><input type="checkbox"/> Yes (count _____)<br><input checked="" type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | 2.F. Pavement Markings<br><input checked="" type="checkbox"/> Stop Lines <input type="checkbox"/> Dynamic Envelope<br><input checked="" type="checkbox"/> RR Xing Symbols <input type="checkbox"/> None                                                                                                                                                                                                                                                                                                                                |                                      | 2.G. Channelization Devices/Medians<br><input type="checkbox"/> All Approaches <input type="checkbox"/> Median<br><input type="checkbox"/> One Approach <input checked="" type="checkbox"/> None                                                                                                                                            |  |
| 2.H. EXEMPT Sign (R15-3)<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | 2.I. ENS Sign (I-13) Displayed<br><input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                               |                                      |                                                                                                                                                                                                                                                                                                                                             |  |
| 2.J. Other MUTCD Signs<br>Specify Type _____ Count _____<br>Specify Type _____ Count _____<br>Specify Type _____ Count _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | 2.K. Private Crossing Signs (if private)<br><br><input type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                               |                                      | 2.L. LED Enhanced Signs (List types)<br><br>0                                                                                                                                                                                                                                                                                               |  |
| <b>3. Types of Train Activated Warning Devices at the Grade Crossing (specify count of each device for all that apply)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                      |                                                                                                                                                                                                                                                                                                                                             |  |
| 3.A. Gate Arms (count)<br><br>Roadway 2<br>Pedestrian 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | 3.B. Gate Configuration<br><input checked="" type="checkbox"/> 2 Quad <input type="checkbox"/> Full (Barrier) Resistance<br><input type="checkbox"/> 3 Quad <input type="checkbox"/> Median Gates<br><input type="checkbox"/> 4 Quad                                                                                                                                                                                                                                                                                                   |                                      | 3.C. Cantilevered (or Bridged) Flashing Light Structures (count)<br>Over Traffic Lane 0 <input type="checkbox"/> Incandescent<br>Not Over Traffic Lane 0 <input type="checkbox"/> LED                                                                                                                                                       |  |
| 3.D. Mast Mounted Flashing Lights (count of masts) 2<br><input type="checkbox"/> Incandescent <input checked="" type="checkbox"/> LED<br><input checked="" type="checkbox"/> Back Lights Included <input type="checkbox"/> Side Lights Included                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | 3.E. Total Count of Flashing Light Pairs<br><br>4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                      |                                                                                                                                                                                                                                                                                                                                             |  |
| 3.F. Installation Date of Current Active Warning Devices: (MM/YYYY)<br>_____/_____/_____<br><input checked="" type="checkbox"/> Not Required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | 3.G. Wayside Horn<br><br><input type="checkbox"/> Yes   Installed on (MM/YYYY) ____/____/_____<br><input checked="" type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                               |                                      | 3.H. Highway Traffic Signals Controlling Crossing<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                                                                    |  |
| 3.I. Bells (count)<br><br>2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | 3.J. Non-Train Active Warning<br><input type="checkbox"/> Flagging/Flagman <input type="checkbox"/> Manually Operated Signals <input type="checkbox"/> Watchman <input type="checkbox"/> Floodlighting <input checked="" type="checkbox"/> None                                                                                                                                                                                                                                                                                        |                                      |                                                                                                                                                                                                                                                                                                                                             |  |
| 3.K. Other Flashing Lights or Warning Devices<br>Count 0      Specify type _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | 4.A. Does nearby Hwy Intersection have Traffic Signals?<br><br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                     |                                      |                                                                                                                                                                                                                                                                                                                                             |  |
| 4.B. Hwy Traffic Signal Interconnection<br><input checked="" type="checkbox"/> Not Interconnected<br><input type="checkbox"/> For Traffic Signals<br><input type="checkbox"/> For Warning Signs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | 4.C. Hwy Traffic Signal Preemption<br><br><input type="checkbox"/> Simultaneous<br><input type="checkbox"/> Advance                                                                                                                                                                                                                                                                                                                                                                                                                    |                                      | 5. Highway Traffic Pre-Signals<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><br>Storage Distance * _____<br>Stop Line Distance * _____                                                                                                                                                                         |  |
| 6. Highway Monitoring Devices (Check all that apply)<br><input type="checkbox"/> Yes - Photo/Video Recording<br><input type="checkbox"/> Yes - Vehicle Presence Detection<br><input type="checkbox"/> None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | 7. Highway Traffic Pre-Signals<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><br>Storage Distance * _____<br>Stop Line Distance * _____                                                                                                                                                                                                                                                                                                                                                                    |                                      |                                                                                                                                                                                                                                                                                                                                             |  |
| <b>Part IV: Physical Characteristics</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                      |                                                                                                                                                                                                                                                                                                                                             |  |
| 1. Traffic Lanes Crossing Railroad<br><br>Number of Lanes 2<br><input type="checkbox"/> One-way Traffic<br><input checked="" type="checkbox"/> Two-way Traffic<br><input type="checkbox"/> Divided Traffic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | 2. Is Roadway/Pathway Paved?<br><br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                                |                                      | 3. Does Track Run Down a Street?<br><br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                                                                                 |  |
| 4. Is Crossing Illuminated? (Street lights within approx. 50 feet from nearest rail) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | 5. Crossing Surface (on Main Track, multiple types allowed)   Installation Date * (MM/YYYY) ____/____/_____<br><input type="checkbox"/> 1 Timber <input type="checkbox"/> 2 Asphalt <input type="checkbox"/> 3 Asphalt and Timber <input checked="" type="checkbox"/> 4 Concrete <input type="checkbox"/> 5 Concrete and Rubber <input type="checkbox"/> 6 Rubber <input type="checkbox"/> 7 Metal<br><input type="checkbox"/> 8 Unconsolidated <input type="checkbox"/> 9 Composite <input type="checkbox"/> 10 Other (specify) _____ |                                      |                                                                                                                                                                                                                                                                                                                                             |  |
| 6. Intersecting Roadway within 500 feet?<br><br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No   If Yes, Approximate Distance (feet) 490                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | 7. Smallest Crossing Angle<br><br><input type="checkbox"/> 0° - 29° <input type="checkbox"/> 30° - 59° <input checked="" type="checkbox"/> 60° - 90°                                                                                                                                                                                                                                                                                                                                                                                   |                                      | 8. Is Commercial Power Available? *<br><br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                                                              |  |
| <b>Part V: Public Highway Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                      |                                                                                                                                                                                                                                                                                                                                             |  |
| 1. Highway System<br><br><input type="checkbox"/> (01) Interstate Highway System<br><input type="checkbox"/> (02) Other Nat Hwy System (NHS)<br><input checked="" type="checkbox"/> (03) Federal AID, Not NHS<br><input type="checkbox"/> (08) Non-Federal Aid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | 2. Functional Classification of Road at Crossing<br><input checked="" type="checkbox"/> (0) Rural <input type="checkbox"/> (1) Urban<br><input type="checkbox"/> (1) Interstate <input type="checkbox"/> (5) Major Collector<br><input type="checkbox"/> (2) Other Freeways and Expressways<br><input type="checkbox"/> (3) Other Principal Arterial <input type="checkbox"/> (6) Minor Collector<br><input checked="" type="checkbox"/> (4) Minor Arterial <input type="checkbox"/> (7) Local                                         |                                      | 3. Is Crossing on State Highway System?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                                                                              |  |
| 4. Highway Speed Limit<br>55 _____ MPH<br><input type="checkbox"/> Posted <input checked="" type="checkbox"/> Statutory                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | 5. Linear Referencing System (LRS Route ID) *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                      |                                                                                                                                                                                                                                                                                                                                             |  |
| 6. LRS Milepost *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | 7. Annual Average Daily Traffic (AADT)<br>Year 2016      AADT 11476                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                      |                                                                                                                                                                                                                                                                                                                                             |  |
| 8. Estimated Percent Trucks<br>25 _____ %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | 9. Regularly Used by School Buses?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   Average Number per Day _____                                                                                                                                                                                                                                                                                                                                                                                               |                                      | 10. Emergency Services Route<br><input type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                                                                                    |  |
| <b>Submission Information - This information is used for administrative purposes and is not available on the public website.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                      |                                                                                                                                                                                                                                                                                                                                             |  |
| Submitted by _____ Organization _____ Phone _____ Date _____<br><br>Public reporting burden for this information collection is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed and completing and reviewing the collection of information. According to the Paperwork Reduction Act of 1995, a federal agency may not conduct or sponsor, and a person is not required to, nor shall a person be subject to a penalty for failure to comply with, a collection of information unless it displays a currently valid OMB control number. The valid OMB control number for information collection is 2130-0017. Send comments regarding this burden estimate or any other aspect of this collection, including for reducing this burden to: Information Collection Officer, Federal Railroad Administration, 1200 New Jersey Ave. SE, MS-25 Washington, DC 20590. |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                      |                                                                                                                                                                                                                                                                                                                                             |  |

## **Appendix B:**

Federal Rail Administration

(Accident Report)

# HIGHWAY-RAIL GRADE CROSSING ACCIDENT/INCIDENT REPORT

DEPARTMENT OF TRANSPORTATION  
FEDERAL RAILROAD ADMINISTRATION (FRA)

OMB Approval No. 2130-0500

|                                                                                                                                                                                   |  |                                            |                                           |                                                                                                                                                                                                                                                                                                |                            |                                                                           |                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Name Of                                                                                                                                                                           |  |                                            |                                           | Alphabetic Code                                                                                                                                                                                                                                                                                |                            | RR Accident/Incident No.                                                  |                                                                             |
| 1. Reporting Railroad<br><b>Western Pacific Railroad Company [WP]</b>                                                                                                             |  |                                            |                                           | 1a. <b>WP</b>                                                                                                                                                                                                                                                                                  |                            | 1b. <b>28778</b>                                                          |                                                                             |
| 2. Other Railroad Involved in Train Accident/Incident                                                                                                                             |  |                                            |                                           | 2a.                                                                                                                                                                                                                                                                                            |                            | 2b.                                                                       |                                                                             |
| 3. Railroad Responsible for Track Maintenance<br><b>Western Pacific Railroad Company [WP]</b>                                                                                     |  |                                            |                                           | 3a. <b>WP</b>                                                                                                                                                                                                                                                                                  |                            | 3b. <b>28778</b>                                                          |                                                                             |
| 4. U.S. DOT-AAR Grade Crossing ID No. <b>833698J</b>                                                                                                                              |  |                                            |                                           | 5. Date of Accident/Incident <b>08/08/78</b>                                                                                                                                                                                                                                                   |                            | 6. Time of Accident/Incident <b>02:50 AM</b>                              |                                                                             |
| 7. Nearest Railroad Station<br><b>PLEASANT GROVE</b>                                                                                                                              |  |                                            | 8. Division                               |                                                                                                                                                                                                                                                                                                | 9. County<br><b>SUTTER</b> |                                                                           | 10. State<br>Abbr. <b>06</b> Code<br><b>CA</b>                              |
| 11. City (if in a city)                                                                                                                                                           |  |                                            | 12. Highway Name or No. <b>RIEGO ROAD</b> |                                                                                                                                                                                                                                                                                                |                            |                                                                           | <input checked="" type="checkbox"/> Public <input type="checkbox"/> Private |
| Highway User Involved                                                                                                                                                             |  |                                            |                                           | Rail Equipment Involved                                                                                                                                                                                                                                                                        |                            |                                                                           |                                                                             |
| 13. Type C. Truck-trailer F. Bus J. Other Motor Vehicle Code<br>A. Auto D. Pick-up truck G. School Bus K. Pedestrian<br>B. Truck E. Van H. Motorcycle M. Other (specify) <b>B</b> |  |                                            |                                           | 17. Equipment 4. Car(s) (moving) 8. Other (specify) Code<br>1. Train (units pulling) 5. Car(s) (standing) A. Train pulling- RCL<br>2. Train (units pushing) 6. Light loco(s) (moving) B. Train pushing- RCL<br>3. Train (standing) 7. Light loco(s) (standing) C. Train standing- RCL <b>1</b> |                            |                                                                           |                                                                             |
| 14. Vehicle Speed                                                                                                                                                                 |  | 15. Direction (geographical)               |                                           | 18. Position of Car Unit in Train                                                                                                                                                                                                                                                              |                            |                                                                           |                                                                             |
| (est. mph at impact)                                                                                                                                                              |  | 1. North 2. South 3. East 4. West <b>1</b> |                                           | <b>1</b>                                                                                                                                                                                                                                                                                       |                            |                                                                           |                                                                             |
| 16. Position 1. Stalled on crossing 3. Moving over crossing                                                                                                                       |  | Code                                       |                                           | 19. Circumstance 1. Rail equipment struck highway user                                                                                                                                                                                                                                         |                            | Code                                                                      |                                                                             |
| 2. Stopped on Crossing 4. Trapped                                                                                                                                                 |  | <b>2</b>                                   |                                           | 2. Rail equipment struck by highway user                                                                                                                                                                                                                                                       |                            | <b>1</b>                                                                  |                                                                             |
| 20a. Was the highway user and/or rail equipment involved in the impact transporting hazardous materials?                                                                          |  |                                            |                                           | 20b. Was there a hazardous materials release by                                                                                                                                                                                                                                                |                            |                                                                           |                                                                             |
| 1. Highway User 2. Rail Equipment 3. Both 4. Neither <b>4</b>                                                                                                                     |  |                                            |                                           | 1. Highway User 2. Rail Equipment 3. Both 4. Neither                                                                                                                                                                                                                                           |                            |                                                                           |                                                                             |
| 20c. State the name and quantity of the hazardous material released, if any                                                                                                       |  |                                            |                                           |                                                                                                                                                                                                                                                                                                |                            |                                                                           |                                                                             |
| 21. Temperature                                                                                                                                                                   |  | 22. Visibility (single entry)              |                                           | 23. Weather (single entry)                                                                                                                                                                                                                                                                     |                            | Code                                                                      |                                                                             |
| (specify if minus) <b>80</b> °F                                                                                                                                                   |  | 1. Dawn 2. Day 3. Dusk 4. Dark <b>4</b>    |                                           | 1. Clear 2. Cloudy 3. Rain 4. Fog 5. Sleet 6. Snow                                                                                                                                                                                                                                             |                            | <b>1</b>                                                                  |                                                                             |
| 24. Type of Equipment A. Spec. MoW Equip                                                                                                                                          |  |                                            |                                           | 25. Track Type Used by Rail                                                                                                                                                                                                                                                                    |                            | 26. Track Number or Name                                                  |                                                                             |
| Consist 1. Freight train 4. Work train 7. Yard/Switching                                                                                                                          |  |                                            |                                           | Equipment Involved                                                                                                                                                                                                                                                                             |                            | <b>SINGLE MAIN TRACK</b>                                                  |                                                                             |
| (single entry) 2. Passenger train 5. Single car 8. Light loco(s)                                                                                                                  |  |                                            |                                           | 1. Main 2. Yard 3. Siding 4. Industry <b>1</b>                                                                                                                                                                                                                                                 |                            |                                                                           |                                                                             |
| 3. Commuter train 6. Cut of cars 9. Main./inspect. car <b>1</b>                                                                                                                   |  |                                            |                                           |                                                                                                                                                                                                                                                                                                |                            |                                                                           |                                                                             |
| 27. FRA Track Class                                                                                                                                                               |  | 28. Number of Locomotive Units             |                                           | 29. Number of Cars                                                                                                                                                                                                                                                                             |                            | 30. Consist Speed (Recorded if available)                                 |                                                                             |
| <b>4</b>                                                                                                                                                                          |  | <b>2</b>                                   |                                           | <b>71</b>                                                                                                                                                                                                                                                                                      |                            | R. Recorded <b>45</b> mph E. Estimated <b>E</b>                           |                                                                             |
| 31. Time Table Direction                                                                                                                                                          |  |                                            |                                           | Code                                                                                                                                                                                                                                                                                           |                            |                                                                           |                                                                             |
| 1. North 2. South 3. East 4. West <b>4</b>                                                                                                                                        |  |                                            |                                           |                                                                                                                                                                                                                                                                                                |                            |                                                                           |                                                                             |
| 32. Type of Crossing 1. Gates 4. Wig wags 7. Crossbucks 10. Flagged by crew                                                                                                       |  |                                            |                                           | 33. Signaled Crossing                                                                                                                                                                                                                                                                          |                            | 34. Whistle Ban                                                           |                                                                             |
| 2. Cantilever FLS 5. Hwy. traffic signals 8. Stop signs 11. Other (specify)                                                                                                       |  |                                            |                                           | Warning                                                                                                                                                                                                                                                                                        |                            | 1. Yes                                                                    |                                                                             |
| Warning 3. Standard FLS 6. Audible 9. Watchman 12. None                                                                                                                           |  |                                            |                                           |                                                                                                                                                                                                                                                                                                |                            | 2. No                                                                     |                                                                             |
| Code(s) <b>03</b>                                                                                                                                                                 |  |                                            |                                           | <b>20 sec warn min (1);</b>                                                                                                                                                                                                                                                                    |                            | 3. Unknown                                                                |                                                                             |
| 35. Location of Warning                                                                                                                                                           |  |                                            |                                           | 36. Crossing Warning Interconnected                                                                                                                                                                                                                                                            |                            | 37. Crossing Illuminated by Street                                        |                                                                             |
| 1. Both Sides                                                                                                                                                                     |  |                                            |                                           | with Highway Signals                                                                                                                                                                                                                                                                           |                            | Lights or Special Lights                                                  |                                                                             |
| 2. Side of Vehicle Approach                                                                                                                                                       |  |                                            |                                           | 1. Yes 2. No 3. Unknown <b>2</b>                                                                                                                                                                                                                                                               |                            | 1. Yes 2. No 3. Unknown <b>1</b>                                          |                                                                             |
| 3. Opposite Side of Vehicle Approach <b>1</b>                                                                                                                                     |  |                                            |                                           |                                                                                                                                                                                                                                                                                                |                            |                                                                           |                                                                             |
| 38. Driver's Age                                                                                                                                                                  |  | 39. Driver's Gender                        |                                           | 40. Driver Drove Behind or in Front of Train                                                                                                                                                                                                                                                   |                            | 41. Driver                                                                |                                                                             |
|                                                                                                                                                                                   |  | 1. Male 2. Female                          |                                           | and Struck or was Struck by Second Train                                                                                                                                                                                                                                                       |                            | 1. Drove around or thru the gate 4. Stopped on crossing                   |                                                                             |
|                                                                                                                                                                                   |  |                                            |                                           | 1. Yes 2. No 3. Unknown <b>2</b>                                                                                                                                                                                                                                                               |                            | 2. Stopped and then proceeded 5. Other (specify)                          |                                                                             |
|                                                                                                                                                                                   |  |                                            |                                           |                                                                                                                                                                                                                                                                                                |                            | 3. Did not stop <b>4</b>                                                  |                                                                             |
| 42. Driver Passed Standing Highway Vehicle                                                                                                                                        |  | Code                                       |                                           | 43. View of Track Obscured by (primary obstruction)                                                                                                                                                                                                                                            |                            | Code                                                                      |                                                                             |
| 1. Yes 2. No 3. Unknown <b>2</b>                                                                                                                                                  |  |                                            |                                           | 1. Permanent Structure 3. Passing Train 5. Vegetation 7. Other (specify)                                                                                                                                                                                                                       |                            |                                                                           |                                                                             |
|                                                                                                                                                                                   |  |                                            |                                           | 2. Standing railroad equipment 4. Topography 6. Highway Vehicles 8. Not Obstructed                                                                                                                                                                                                             |                            | <b>8</b>                                                                  |                                                                             |
| Casualties to:                                                                                                                                                                    |  | Killed                                     | Injured                                   | 44. Driver was                                                                                                                                                                                                                                                                                 |                            | 45. Was Driver in the Vehicle?                                            |                                                                             |
|                                                                                                                                                                                   |  |                                            |                                           | 1. Killed 2. Injured 3. Uninjured                                                                                                                                                                                                                                                              |                            | 1. Yes 2. No <b>2</b>                                                     |                                                                             |
| 46. Highway-Rail Crossing Users                                                                                                                                                   |  | <b>0</b>                                   | <b>0</b>                                  | 47. Highway Vehicle Property Damage (est. dollar damage)                                                                                                                                                                                                                                       |                            | 48. Total Number of Highway-Rail Crossing Users (include driver) <b>0</b> |                                                                             |
|                                                                                                                                                                                   |  |                                            |                                           | <b>\$150</b>                                                                                                                                                                                                                                                                                   |                            |                                                                           |                                                                             |
| 49. Railroad Employees                                                                                                                                                            |  | <b>0</b>                                   | <b>0</b>                                  | 50. Total Number of People on Train (include passengers and crew)                                                                                                                                                                                                                              |                            | 51. Is a Rail Equipment Accident / Incident Report Being Filed            |                                                                             |
| 52. Passengers on Train                                                                                                                                                           |  | <b>0</b>                                   | <b>0</b>                                  |                                                                                                                                                                                                                                                                                                |                            | 1. Yes 2. No <b>2</b>                                                     |                                                                             |
| 53a. Special Study Block                                                                                                                                                          |  |                                            |                                           | 53b. Special Study Block                                                                                                                                                                                                                                                                       |                            |                                                                           |                                                                             |
| 54. Narrative Description                                                                                                                                                         |  |                                            |                                           |                                                                                                                                                                                                                                                                                                |                            |                                                                           |                                                                             |
|                                                                                                                                                                                   |  |                                            |                                           |                                                                                                                                                                                                                                                                                                |                            |                                                                           |                                                                             |
|                                                                                                                                                                                   |  |                                            |                                           |                                                                                                                                                                                                                                                                                                |                            |                                                                           |                                                                             |
|                                                                                                                                                                                   |  |                                            |                                           |                                                                                                                                                                                                                                                                                                |                            |                                                                           |                                                                             |
| 55. Typed Name and Title                                                                                                                                                          |  | 56. Signature                              |                                           |                                                                                                                                                                                                                                                                                                |                            | 57. Date                                                                  |                                                                             |

## **Appendix C:**

Fire Stations and Map

## **Riego Road Fire Stations and Locations**

Fire stations that are located in the vicinity of the project site are as follows:

Metro Fire Station 116

7995 Elwyn Avenue

Elverta, CA 95626

Sacramento Metro Fire District Station 117

7961 Cherry Brook Drive

Elverta, CA 95626

Placer County Fire Department

8350 Cook Riolo Road

Roseville, CA 95747

Pleasant Grove Fire Department

3100 Howsley Road

Pleasant Grove, CA 95668

### Fire Stations and Map (Google Maps search)

## **Appendix D:**

### Vehicle Emissions Calculations



## Sutter County – Riego Road Overhead at UPRR Railroad Emission Calculations – Existing (2021) Traffic Volume

Note: The methodology used for these calculations was taken from the May 14, 2007 ICF International Report, Section 3.13 Individual Grade Crossing Separation.

### Gate Down Time

$$T = T_w + L/V$$

Where:

$T_w$  = Gate Time Warning

$L$  = Average Train Length

$V$  = Average Train Speed

\*Assumed at 1.5 Mile Train at 40 mph

$$.5 \text{ min} + \frac{1.5 \text{ miles}}{40 \text{ mph}} \times \frac{60 \text{ min}}{1 \text{ hour}} = 2.8 \text{ min}$$

### Number of Delayed Vehicles

$$N_v = T/24 * N * AADT$$

Where:

$N$  = Average Number of Trains Counted Per Day

AADT = Annual Average Daily Traffic for Near Term Roadway

$$\frac{2.8 \text{ min}}{24 \text{ hour}} \times \frac{1 \text{ hour}}{60 \text{ min}} \times \frac{10 \text{ trains}}{1 \text{ day}} \times \frac{10042 \text{ veh}}{1 \text{ day}} = 196 \text{ veh/day}$$

### Average Delay Per Vehicle

$$D_v = (N_v / AADT) * (T * R / (R_D - R_A) / 2)$$

$$R_D = 10042 \text{ veh/day} \times \frac{1 \text{ day}}{24 \text{ hour}} = 419 \text{ veh/hour}$$

$$R_A = 10042 \text{ veh/day} \times \frac{1 \text{ day}}{24 - 1.1 \text{ hour}} = 439 \text{ veh/hour}$$

$$\frac{196 \text{ veh/day}}{10042 \text{ veh/day}} \times 2.8 \text{ min} \times (439 \text{ veh/hour} \div (439 \text{ veh/hour} - 419 \text{ veh/hour}) \div 2) = 0.60 \text{ min/veh}$$

### Vehicle Total Delay (hours)

$$0.60 \text{ min/veh} \times 196 \text{ veh/day} \times \frac{1 \text{ hour}}{60 \text{ min}} = 1.96 \text{ hour/day}$$

Note: The methodology used for these calculations were taken from the Riverside County Rail Crossing Priority Analysis.  
<http://www.wrcog.cog.ca.us/downloads/railcrossinganalysis.pdf>

#### Gasoline Vehicles

Autos:  $1.96 \times 0.880 = 1.72$   
Trucks:  $1.96 \times 0.075 = 0.15$   
Heavy Trucks:  $1.96 \times 0.005 = 0.01$   
Motorcycles:  $1.96 \times 0.015 = 0.03$

#### Diesel Vehicles

Autos:  $1.96 \times 0.005 = 0.01$   
Trucks:  $1.96 \times 0.006 = 0.01$   
Heavy Trucks:  $1.96 \times 0.012 = 0.02$

### **Vehicle Total Emissions (grams)**

#### VOC Emissions: Gasoline Vehicles

Autos:  $1.72 \times 16.1 = 27.69$   
Trucks:  $0.15 \times 24.1 = 3.62$   
Heavy Trucks:  $0.01 \times 35.8 = 0.40$   
Motorcycles:  $0.03 \times 19.4 = 0.58$

#### VOC Emissions: Diesel Vehicles

Autos:  $0.01 \times 3.5 = 0.04$   
Trucks:  $0.01 \times 4.6 = 0.06$   
Heavy Trucks:  $0.02 \times 12.5 = 0.25$

Total VOC Emissions = 32.64 grams

#### CO Emissions: Gasoline Vehicles

Autos:  $1.72 \times 229 = 393.88$   
Trucks:  $0.15 \times 339 = 50.85$   
Heavy Trucks:  $0.01 \times 738 = 8.15$   
Motorcycles:  $0.03 \times 435 = 13.05$

#### CO Emissions: Diesel Vehicles

Autos:  $0.01 \times 10 = 0.11$   
Trucks:  $0.01 \times 11 = 0.15$   
Heavy Trucks:  $0.02 \times 94 = 1.88$

Total CO Emissions: 468.07 grams

#### NO<sub>x</sub> Emissions: Gasoline Vehicles

Autos:  $1.72 \times 4.7 = 8.08$   
Trucks:  $0.15 \times 5.7 = 0.86$   
Heavy Trucks:  $0.01 \times 10.2 = 0.11$   
Motorcycles:  $0.03 \times 1.7 = 0.05$

#### NO<sub>x</sub> Emissions: Diesel Vehicles

Autos:  $0.01 \times 6.5 = 0.07$   
Trucks:  $0.01 \times 6.7 = 0.09$   
Heavy Trucks:  $0.02 \times 5.5 = 0.11$

Total NO<sub>x</sub> Emissions: 9.37 grams

#### PM<sub>10</sub> Emissions: Gasoline Vehicles

Autos:  $1.72 \times 0 = 0$   
Trucks:  $0.15 \times 0 = 0$   
Heavy Trucks:  $0.01 \times 0 = 0$   
Motorcycles:  $0.03 \times 0 = 0$

#### PM<sub>10</sub> Emissions: Diesel Vehicles

Autos:  $0.01 \times 2.6 = 0.03$   
Trucks:  $0.01 \times 2.6 = 0.03$   
Heavy Trucks:  $0.02 \times 2.6 = 0.05$

Total PM<sub>10</sub> Emissions: 0.11 grams

**Total of All Emissions = 510.19 grams/day x 365 days/year = 186 kilograms/year**

## Sutter County – Riego Road Overhead at UPRR Railroad Emission Calculations – Projected (2040) Traffic Volume

Note: The methodology used for these calculations was taken from the May 14, 2007 ICF International Report, Section 3.13 Individual Grade Crossing Separation.

### Gate Down Time

$$T = T_w + L/V$$

Where:

$T_w$  = Gate Time Warning

$L$  = Average Train Length

$V$  = Average Train Speed

\*Assumed at 1.5 Mile Train at 40 mph

$$.5 \text{ min} + \frac{1.5 \text{ miles}}{40 \text{ mph}} \times \frac{60 \text{ min}}{1 \text{ hour}} = 2.8 \text{ min}$$

### Number of Delayed Vehicles

$$N_v = T/24 * N * AADT$$

Where:

$N$  = Average Number of Trains Counted Per Day

AADT = Annual Average Daily Traffic for Near Term Roadway

$$\frac{2.8 \text{ min}}{24 \text{ hour}} \times \frac{1 \text{ hour}}{60 \text{ min}} \times \frac{10 \text{ trains}}{1 \text{ day}} \times \frac{40000 \text{ veh}}{1 \text{ day}} = 778 \text{ veh/day}$$

### Average Delay Per Vehicle

$$D_v = (N_v / AADT) * (T * R / (R_D - R_A) / 2)$$

$$R_D = 40000 \text{ veh/day} \times \frac{1 \text{ day}}{24 \text{ hour}} = 1667 \text{ veh/hour}$$

$$R_A = 40000 \text{ veh/day} \times \frac{1 \text{ day}}{24 - 1.1 \text{ hour}} = 1747 \text{ veh/hour}$$

$$\frac{778 \text{ veh/day}}{40000 \text{ veh/day}} \times 2.8 \text{ min} \times (1747 \text{ veh/hour} \div (1747 \text{ veh/hour} - 1667 \text{ veh/hour}) \div 2) = 0.60 \text{ min/veh}$$

### Vehicle Total Delay (hours)

$$0.60 \text{ min/veh} \times 778 \text{ veh/day} \times \frac{1 \text{ hour}}{60 \text{ min}} = 7.7 \text{ hour/day}$$

Note: The methodology used for these calculations were taken from the Riverside County Rail Crossing Priority Analysis.  
<http://www.wrcog.cog.ca.us/downloads/railcrossinganalysis.pdf>

#### Gasoline Vehicles

Autos:  $7.7 \times 0.880 = 6.78$   
Trucks:  $7.7 \times 0.075 = 0.58$   
Heavy Trucks:  $7.7 \times 0.005 = 0.04$   
Motorcycles:  $7.7 \times 0.015 = 0.14$

#### Diesel Vehicles

Autos:  $7.7 \times 0.005 = 0.04$   
Trucks:  $7.7 \times 0.006 = 0.05$   
Heavy Trucks:  $7.7 \times 0.012 = 0.09$

### **Vehicle Total Emissions (grams)**

#### VOC Emissions: Gasoline Vehicles

Autos:  $6.78 \times 16.1 = 109.08$   
Trucks:  $0.58 \times 24.1 = 13.92$   
Heavy Trucks:  $0.04 \times 35.8 = 1.38$   
Motorcycles:  $0.14 \times 19.4 = 2.69$

#### VOC Emissions: Diesel Vehicles

Autos:  $0.04 \times 3.5 = 0.13$   
Trucks:  $0.05 \times 4.6 = 0.21$   
Heavy Trucks:  $0.09 \times 12.5 = 1.15$

Total VOC Emissions = 128.57 grams

#### CO Emissions: Gasoline Vehicles

Autos:  $6.78 \times 229 = 1551.55$   
Trucks:  $0.58 \times 339 = 195.75$   
Heavy Trucks:  $0.04 \times 738 = 28.41$   
Motorcycles:  $0.14 \times 435 = 60.28$

#### CO Emissions: Diesel Vehicles

Autos:  $0.04 \times 10 = 0.39$   
Trucks:  $0.05 \times 11 = 0.51$   
Heavy Trucks:  $0.09 \times 94 = 8.68$

Total CO Emissions: 1845.57 grams

#### NO<sub>x</sub> Emissions: Gasoline Vehicles

Autos:  $6.78 \times 4.7 = 31.84$   
Trucks:  $0.58 \times 5.7 = 3.29$   
Heavy Trucks:  $0.04 \times 10.2 = 0.39$   
Motorcycles:  $0.14 \times 1.7 = 0.24$

#### NO<sub>x</sub> Emissions: Diesel Vehicles

Autos:  $0.04 \times 6.5 = 0.25$   
Trucks:  $0.05 \times 6.7 = 0.31$   
Heavy Trucks:  $0.09 \times 5.5 = 0.51$

Total NO<sub>x</sub> Emissions: 36.83 grams

#### PM<sub>10</sub> Emissions: Gasoline Vehicles

Autos:  $6.78 \times 0 = 0$   
Trucks:  $0.58 \times 0 = 0$   
Heavy Trucks:  $0.04 \times 0 = 0$   
Motorcycles:  $0.14 \times 0 = 0$

#### PM<sub>10</sub> Emissions: Diesel Vehicles

Autos:  $0.04 \times 2.6 = 0.10$   
Trucks:  $0.05 \times 2.6 = 0.12$   
Heavy Trucks:  $0.09 \times 2.6 = 0.24$

Total PM<sub>10</sub> Emissions: 0.46 grams

**Total of All Emissions = 2011.43 grams/day x 365 days/year = 734 kilograms/year**

## **Appendix E:**

Riego Road Daily Volumes and Affidavit

For Project:  
Project Notes:  
Location/Name:  
Report Generated:  
Speed Intervals  
Time Intervals  
Traffic Report From  
85th Percentile Speed  
85th Percentile Vehicles  
Max Speed  
Total Vehicles  
AADT:

Riego Rd (S93) Natomas Rd to Pleasant Grove Rd

Merged  
10/14/2021  
13:04  
1 MPH  
Instant  
10/13/2021  
10:00:00  
through  
10/14/2021  
10:59:59  
43 MPH  
8536  
60 MPH  
on  
10/13/2021  
20:14:09  
Total Vehicles  
10042  
9640

Volumes -  
weekly counts

Average Daily  
AM Peak  
PM Peak  
Speed  
Speed Limit:  
85th Percentile Speed:  
Average Speed:

| Time  | 5 Day | 7 Day |
|-------|-------|-------|
| 07:00 | 5021  | 5021  |
| 04:00 | 817   | 817   |
|       | 933   | 933   |

55  
43  
36.9

Count over limit  
% over limit  
Avg Speeder

| Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday |
|--------|---------|-----------|----------|--------|----------|--------|
| N/A    | N/A     | 5         | 4        | N/A    | N/A      | N/A    |
| N/A    | N/A     | 0.1       | 0.1      | N/A    | N/A      | N/A    |
| N/A    | N/A     | 56.8      | 57.3     | N/A    | N/A      | N/A    |

Class Counts

VEH\_SM  
VEH\_MED  
VEH\_LG  
[VEH\_SM=motorcycle,

| Number           | %               |
|------------------|-----------------|
| 49               | 0.5             |
| 8992             | 89.5            |
| 1001             | 10              |
| VEH_MED = sedan, | VEH_LG = truck] |

| Day/Time Ending        | 85th pctl (MPH) | 85th pctl cnts | Total Cnts | Max Speed | Avg Speeder | % Speeders |
|------------------------|-----------------|----------------|------------|-----------|-------------|------------|
| 10/13/2021 11:00:00 AM | 42.0            | 208            | 245        | 56        | 56.0        | 0.4%       |
| 10/13/2021 12:00:00 PM | 42.0            | 394            | 464        | 55        | 0.0         | 0.0%       |
| 10/13/2021 01:00:00 PM | 43.0            | 410            | 482        | 54        | 0.0         | 0.0%       |
| 10/13/2021 02:00:00 PM | 42.0            | 420            | 494        | 48        | 0.0         | 0.0%       |
| 10/13/2021 03:00:00 PM | 42.0            | 501            | 589        | 52        | 0.0         | 0.0%       |
| 10/13/2021 04:00:00 PM | 42.0            | 692            | 814        | 55        | 0.0         | 0.0%       |
| 10/13/2021 05:00:00 PM | 41.0            | 793            | 933        | 53        | 0.0         | 0.0%       |
| 10/13/2021 06:00:00 PM | 42.0            | 752            | 885        | 54        | 0.0         | 0.0%       |
| 10/13/2021 07:00:00 PM | 43.0            | 522            | 614        | 56        | 56.0        | 0.3%       |
| 10/13/2021 08:00:00 PM | 43.0            | 264            | 311        | 52        | 0.0         | 0.0%       |
| 10/13/2021 09:00:00 PM | 44.0            | 191            | 225        | 60        | 60.0        | 0.4%       |
| 10/13/2021 10:00:00 PM | 43.0            | 134            | 158        | 49        | 0.0         | 0.0%       |
| 10/13/2021 11:00:00 PM | 44.0            | 110            | 129        | 56        | 56.0        | 0.8%       |
| 10/14/2021 12:00:00 AM | 45.0            | 61             | 72         | 54        | 0.0         | 0.0%       |
| 10/14/2021 01:00:00 AM | 43.0            | 45             | 53         | 57        | 57.0        | 1.9%       |
| 10/14/2021 02:00:00 AM | 46.0            | 32             | 38         | 53        | 0.0         | 0.0%       |
| 10/14/2021 03:00:00 AM | 49.0            | 25             | 29         | 55        | 0.0         | 0.0%       |
| 10/14/2021 04:00:00 AM | 46.0            | 61             | 72         | 54        | 0.0         | 0.0%       |
| 10/14/2021 05:00:00 AM | 45.0            | 129            | 152        | 56        | 56.0        | 0.7%       |
| 10/14/2021 06:00:00 AM | 44.0            | 281            | 331        | 54        | 0.0         | 0.0%       |
| 10/14/2021 07:00:00 AM | 43.0            | 596            | 701        | 51        | 0.0         | 0.0%       |
| 10/14/2021 08:00:00 AM | 42.0            | 694            | 817        | 56        | 56.0        | 0.1%       |
| 10/14/2021 09:00:00 AM | 43.0            | 548            | 645        | 60        | 60.0        | 0.2%       |
| 10/14/2021 10:00:00 AM | 43.0            | 411            | 483        | 51        | 0.0         | 0.0%       |
| 10/14/2021 11:00:00 AM | 42.0            | 262            | 308        | 50        | 0.0         | 0.0%       |

| Day/Time Ending        | 85th pctl (MPH) | 85th pctl cnts | Total Cnts | Max Speed | Avg Speeder | % Speeders |
|------------------------|-----------------|----------------|------------|-----------|-------------|------------|
| 10/14/2021 12:00:00 AM | 42.0            | 5452           | 6414       | 60        | 56.8        | 0.1%       |
| 10/14/2021 10:59:59 AM | 43.0            | 3084           | 3628       | 60        | 57.3        | 0.1%       |



| Hour       | 10/11/2021           |                       | to | 10/17/2021              |                        | Thursday<br>10/14/2021 | Friday<br>10/15/2021 | Saturday<br>10/16/2021 | Sunday<br>10/17/2021 | Week<br>Day Avg | Weekend<br>Avg | Week Day 85%<br>Avg Speed |
|------------|----------------------|-----------------------|----|-------------------------|------------------------|------------------------|----------------------|------------------------|----------------------|-----------------|----------------|---------------------------|
|            | Monday<br>10/11/2021 | Tuesday<br>10/12/2021 |    | Wednesday<br>10/13/2021 | Thursday<br>10/14/2021 |                        |                      |                        |                      |                 |                |                           |
| 0 - 1      | *                    | *                     |    | *                       | 53                     | *                      | *                    | *                      | *                    | 53              | 0              | 43                        |
| 1 - 2      | *                    | *                     |    | *                       | 38                     | *                      | *                    | *                      | *                    | 38              | 0              | 46                        |
| 2 - 3      | *                    | *                     |    | *                       | 29                     | *                      | *                    | *                      | *                    | 29              | 0              | 49                        |
| 3 - 4      | *                    | *                     |    | *                       | 72                     | *                      | *                    | *                      | *                    | 72              | 0              | 45.6                      |
| 4 - 5      | *                    | *                     |    | *                       | 151                    | *                      | *                    | *                      | *                    | 151             | 0              | 44                        |
| 5 - 6      | *                    | *                     |    | *                       | 331                    | *                      | *                    | *                      | *                    | 331             | 0              | 43.8                      |
| 6 - 7      | *                    | *                     |    | *                       | 701                    | *                      | *                    | *                      | *                    | 701             | 0              | 42.1                      |
| 7 - 8      | *                    | *                     |    | *                       | 817                    | *                      | *                    | *                      | *                    | 817             | 0              | 42                        |
| 8 - 9      | *                    | *                     |    | *                       | 645                    | *                      | *                    | *                      | *                    | 645             | 0              | 43                        |
| 9 - 10     | *                    | *                     |    | *                       | 483                    | *                      | *                    | *                      | *                    | 483             | 0              | 42.6                      |
| 10 - 11    | *                    | *                     |    | 245                     | 308                    | *                      | *                    | *                      | *                    | 276.5           | 0              | 41.95                     |
| 11 - 12    | *                    | *                     |    | 464                     | *                      | *                      | *                    | *                      | *                    | 464             | 0              | 41.5                      |
| 12 - 13    | *                    | *                     |    | 482                     | *                      | *                      | *                    | *                      | *                    | 482             | 0              | 42.6                      |
| 13 - 14    | *                    | *                     |    | 494                     | *                      | *                      | *                    | *                      | *                    | 494             | 0              | 41.6                      |
| 14 - 15    | *                    | *                     |    | 589                     | *                      | *                      | *                    | *                      | *                    | 589             | 0              | 41.5                      |
| 15 - 16    | *                    | *                     |    | 814                     | *                      | *                      | *                    | *                      | *                    | 814             | 0              | 41.1                      |
| 16 - 17    | *                    | *                     |    | 932                     | *                      | *                      | *                    | *                      | *                    | 932             | 0              | 40.7                      |
| 17 - 18    | *                    | *                     |    | 885                     | *                      | *                      | *                    | *                      | *                    | 885             | 0              | 41.4                      |
| 18 - 19    | *                    | *                     |    | 614                     | *                      | *                      | *                    | *                      | *                    | 614             | 0              | 42.7                      |
| 19 - 20    | *                    | *                     |    | 311                     | *                      | *                      | *                    | *                      | *                    | 311             | 0              | 42.9                      |
| 20 - 21    | *                    | *                     |    | 225                     | *                      | *                      | *                    | *                      | *                    | 225             | 0              | 43.4                      |
| 21 - 22    | *                    | *                     |    | 158                     | *                      | *                      | *                    | *                      | *                    | 158             | 0              | 42.4                      |
| 22 - 23    | *                    | *                     |    | 129                     | *                      | *                      | *                    | *                      | *                    | 129             | 0              | 44                        |
| 23 - 24    | *                    | *                     |    | 72                      | *                      | *                      | *                    | *                      | *                    | 72              | 0              | 45                        |
| Totals     | 0                    | 0                     |    | 6414                    | 3628                   | 0                      | 0                    | 0                      | 0                    |                 |                |                           |
| % of Total | 0%                   | 0%                    |    | 63.87%                  | 36.13%                 | 0%                     | 0%                   | 0%                     | 0%                   |                 |                |                           |

| Hour       | Oct 2021 |         |           |          |        |          |        | Weekend<br>Avg | Week Day 85%<br>Avg Speed |
|------------|----------|---------|-----------|----------|--------|----------|--------|----------------|---------------------------|
|            | Monday   | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday |                |                           |
| 0 - 1      | *        | *       | *         | 53       | *      | *        | *      | 0              | 43                        |
| 1 - 2      | *        | *       | *         | 38       | *      | *        | *      | 0              | 46                        |
| 2 - 3      | *        | *       | *         | 29       | *      | *        | *      | 0              | 49                        |
| 3 - 4      | *        | *       | *         | 72       | *      | *        | *      | 0              | 45.6                      |
| 4 - 5      | *        | *       | *         | 151      | *      | *        | *      | 0              | 44                        |
| 5 - 6      | *        | *       | *         | 331      | *      | *        | *      | 0              | 43.8                      |
| 6 - 7      | *        | *       | *         | 701      | *      | *        | *      | 0              | 42.1                      |
| 7 - 8      | *        | *       | *         | 817      | *      | *        | *      | 0              | 42                        |
| 8 - 9      | *        | *       | *         | 645      | *      | *        | *      | 0              | 43                        |
| 9 - 10     | *        | *       | *         | 483      | *      | *        | *      | 0              | 42.6                      |
| 10 - 11    | *        | *       | 245       | 308      | *      | *        | *      | 0              | 41.95                     |
| 11 - 12    | *        | *       | 464       | *        | *      | *        | *      | 0              | 41.5                      |
| 12 - 13    | *        | *       | 482       | *        | *      | *        | *      | 0              | 42.6                      |
| 13 - 14    | *        | *       | 494       | *        | *      | *        | *      | 0              | 41.6                      |
| 14 - 15    | *        | *       | 589       | *        | *      | *        | *      | 0              | 41.5                      |
| 15 - 16    | *        | *       | 814       | *        | *      | *        | *      | 0              | 41.1                      |
| 16 - 17    | *        | *       | 932       | *        | *      | *        | *      | 0              | 40.7                      |
| 17 - 18    | *        | *       | 885       | *        | *      | *        | *      | 0              | 41.4                      |
| 18 - 19    | *        | *       | 614       | *        | *      | *        | *      | 0              | 42.7                      |
| 19 - 20    | *        | *       | 311       | *        | *      | *        | *      | 0              | 42.9                      |
| 20 - 21    | *        | *       | 225       | *        | *      | *        | *      | 0              | 43.4                      |
| 21 - 22    | *        | *       | 158       | *        | *      | *        | *      | 0              | 42.4                      |
| 22 - 23    | *        | *       | 129       | *        | *      | *        | *      | 0              | 44                        |
| 23 - 24    | *        | *       | 72        | *        | *      | *        | *      | 0              | 45                        |
| Totals     | 0        | 0       | 6414      | 3628     | 0      | 0        | 0      |                |                           |
| % of Total | 0%       | 0%      | 63.87%    | 36.13%   | 0%     | 0%       | 0%     |                |                           |

Merged Weekly Speeds  
Riego Rd (S93) Natomas Rd to Pleasant Grove Rd  
from Wed-Oct-13-2021-10-00-AM to Thu-Oct-14-2021-10-59-AM

| Hour       | 10/11/2021<br>Monday<br>10/11/2021 | to<br>Tuesday<br>10/12/2021 | 10/17/2021<br>Wednesday<br>10/13/2021 | Thursday<br>10/14/2021 | Friday<br>10/15/2021 | Saturday<br>10/16/2021 | Sunday<br>10/17/2021 | Week<br>Day Avg | Weekend<br>Avg | Week Day 85%<br>Avg Speed |
|------------|------------------------------------|-----------------------------|---------------------------------------|------------------------|----------------------|------------------------|----------------------|-----------------|----------------|---------------------------|
| 0 - 1      | *                                  | *                           | *                                     | 38.19                  | *                    | *                      | *                    | 38.19           | *              | 43                        |
| 1 - 2      | *                                  | *                           | *                                     | 39.82                  | *                    | *                      | *                    | 39.82           | *              | 46                        |
| 2 - 3      | *                                  | *                           | *                                     | 41.48                  | *                    | *                      | *                    | 41.48           | *              | 49                        |
| 3 - 4      | *                                  | *                           | *                                     | 40.61                  | *                    | *                      | *                    | 40.61           | *              | 45.6                      |
| 4 - 5      | *                                  | *                           | *                                     | 39.05                  | *                    | *                      | *                    | 39.05           | *              | 44                        |
| 5 - 6      | *                                  | *                           | *                                     | 39.6                   | *                    | *                      | *                    | 39.6            | *              | 43.8                      |
| 6 - 7      | *                                  | *                           | *                                     | 36.62                  | *                    | *                      | *                    | 36.62           | *              | 42.1                      |
| 7 - 8      | *                                  | *                           | *                                     | 37.15                  | *                    | *                      | *                    | 37.15           | *              | 42                        |
| 8 - 9      | *                                  | *                           | *                                     | 38.09                  | *                    | *                      | *                    | 38.09           | *              | 43                        |
| 9 - 10     | *                                  | *                           | *                                     | 37.5                   | *                    | *                      | *                    | 37.5            | *              | 42.6                      |
| 10 - 11    | *                                  | *                           | 36.25                                 | 36.64                  | *                    | *                      | *                    | 36.47           | *              | 41.95                     |
| 11 - 12    | *                                  | *                           | 36.37                                 | *                      | *                    | *                      | *                    | 36.37           | *              | 41.5                      |
| 12 - 13    | *                                  | *                           | 37.44                                 | *                      | *                    | *                      | *                    | 37.44           | *              | 42.6                      |
| 13 - 14    | *                                  | *                           | 35.62                                 | *                      | *                    | *                      | *                    | 35.62           | *              | 41.6                      |
| 14 - 15    | *                                  | *                           | 36.45                                 | *                      | *                    | *                      | *                    | 36.45           | *              | 41.5                      |
| 15 - 16    | *                                  | *                           | 35.74                                 | *                      | *                    | *                      | *                    | 35.74           | *              | 41.1                      |
| 16 - 17    | *                                  | *                           | 34.93                                 | *                      | *                    | *                      | *                    | 34.93           | *              | 40.7                      |
| 17 - 18    | *                                  | *                           | 35.59                                 | *                      | *                    | *                      | *                    | 35.59           | *              | 41.4                      |
| 18 - 19    | *                                  | *                           | 37.6                                  | *                      | *                    | *                      | *                    | 37.6            | *              | 42.7                      |
| 19 - 20    | *                                  | *                           | 38.52                                 | *                      | *                    | *                      | *                    | 38.52           | *              | 42.9                      |
| 20 - 21    | *                                  | *                           | 39.31                                 | *                      | *                    | *                      | *                    | 39.31           | *              | 43.4                      |
| 21 - 22    | *                                  | *                           | 38.62                                 | *                      | *                    | *                      | *                    | 38.62           | *              | 42.4                      |
| 22 - 23    | *                                  | *                           | 39.55                                 | *                      | *                    | *                      | *                    | 39.55           | *              | 44                        |
| 23 - 24    | *                                  | *                           | 38.25                                 | *                      | *                    | *                      | *                    | 38.25           | *              | 45                        |
| Totals     | 0                                  | 0                           | 520                                   | 424.7                  | 0                    | 0                      | 0                    |                 |                |                           |
| % of Total | 0%                                 | 0%                          | 55.04%                                | 44.96%                 | 0%                   | 0%                     | 0%                   |                 |                |                           |

| Hour    | Oct 2021 |         |           |          |        |          |        | Weekend<br>Avg | Week Day 85%<br>Avg Speed |
|---------|----------|---------|-----------|----------|--------|----------|--------|----------------|---------------------------|
|         | Monday   | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday |                |                           |
| 0 - 1   | *        | *       | *         | 38.19    | *      | *        | *      | *              | 43                        |
| 1 - 2   | *        | *       | *         | 39.82    | *      | *        | *      | *              | 46                        |
| 2 - 3   | *        | *       | *         | 41.48    | *      | *        | *      | *              | 49                        |
| 3 - 4   | *        | *       | *         | 40.61    | *      | *        | *      | *              | 45.6                      |
| 4 - 5   | *        | *       | *         | 39.05    | *      | *        | *      | *              | 44                        |
| 5 - 6   | *        | *       | *         | 39.6     | *      | *        | *      | *              | 43.8                      |
| 6 - 7   | *        | *       | *         | 36.62    | *      | *        | *      | *              | 42.1                      |
| 7 - 8   | *        | *       | *         | 37.15    | *      | *        | *      | *              | 42                        |
| 8 - 9   | *        | *       | *         | 38.09    | *      | *        | *      | *              | 43                        |
| 9 - 10  | *        | *       | *         | 37.5     | *      | *        | *      | *              | 42.6                      |
| 10 - 11 | *        | *       | 36.25     | 36.64    | *      | *        | *      | *              | 41.95                     |
| 11 - 12 | *        | *       | 36.37     | *        | *      | *        | *      | *              | 41.5                      |
| 12 - 13 | *        | *       | 37.44     | *        | *      | *        | *      | *              | 42.6                      |
| 13 - 14 | *        | *       | 35.62     | *        | *      | *        | *      | *              | 41.6                      |
| 14 - 15 | *        | *       | 36.45     | *        | *      | *        | *      | *              | 41.5                      |
| 15 - 16 | *        | *       | 35.74     | *        | *      | *        | *      | *              | 41.1                      |
| 16 - 17 | *        | *       | 34.93     | *        | *      | *        | *      | *              | 40.7                      |
| 17 - 18 | *        | *       | 35.59     | *        | *      | *        | *      | *              | 41.4                      |
| 18 - 19 | *        | *       | 37.6      | *        | *      | *        | *      | *              | 42.7                      |
| 19 - 20 | *        | *       | 38.52     | *        | *      | *        | *      | *              | 42.9                      |
| 20 - 21 | *        | *       | 39.31     | *        | *      | *        | *      | *              | 43.4                      |
| 21 - 22 | *        | *       | 38.62     | *        | *      | *        | *      | *              | 42.4                      |
| 22 - 23 | *        | *       | 39.55     | *        | *      | *        | *      | *              | 44                        |
| 23 - 24 | *        | *       | 38.25     | *        | *      | *        | *      | *              | 45                        |

| Hour       | 10/11/2021           |                       | to                    |  | 10/17/2021              |                        | Thursday<br>10/14/2021 | Friday<br>10/15/2021 | Saturday<br>10/16/2021 | Sunday<br>10/17/2021 | Week<br>Day Avg | Weekend<br>Avg | Week Day 85%<br>Avg Speed |
|------------|----------------------|-----------------------|-----------------------|--|-------------------------|------------------------|------------------------|----------------------|------------------------|----------------------|-----------------|----------------|---------------------------|
|            | Monday<br>10/11/2021 | Tuesday<br>10/12/2021 | Tuesday<br>10/12/2021 |  | Wednesday<br>10/13/2021 | Thursday<br>10/14/2021 |                        |                      |                        |                      |                 |                |                           |
| 0 - 1      | *                    | *                     | *                     |  | *                       | 43                     | *                      | *                    | *                      | *                    | 43              | 0              | 43                        |
| 1 - 2      | *                    | *                     | *                     |  | *                       | 46                     | *                      | *                    | *                      | *                    | 46              | 0              | 46                        |
| 2 - 3      | *                    | *                     | *                     |  | *                       | 49                     | *                      | *                    | *                      | *                    | 49              | 0              | 49                        |
| 3 - 4      | *                    | *                     | *                     |  | *                       | 45.6                   | *                      | *                    | *                      | *                    | 45.6            | 0              | 45.6                      |
| 4 - 5      | *                    | *                     | *                     |  | *                       | 44                     | *                      | *                    | *                      | *                    | 44              | 0              | 44                        |
| 5 - 6      | *                    | *                     | *                     |  | *                       | 43.8                   | *                      | *                    | *                      | *                    | 43.8            | 0              | 43.8                      |
| 6 - 7      | *                    | *                     | *                     |  | *                       | 42.1                   | *                      | *                    | *                      | *                    | 42.1            | 0              | 42.1                      |
| 7 - 8      | *                    | *                     | *                     |  | *                       | 42                     | *                      | *                    | *                      | *                    | 42              | 0              | 42                        |
| 8 - 9      | *                    | *                     | *                     |  | *                       | 43                     | *                      | *                    | *                      | *                    | 43              | 0              | 43                        |
| 9 - 10     | *                    | *                     | *                     |  | *                       | 42.6                   | *                      | *                    | *                      | *                    | 42.6            | 0              | 42.6                      |
| 10 - 11    | *                    | *                     | *                     |  | 41.9                    | 42                     | *                      | *                    | *                      | *                    | 41.95           | 0              | 41.95                     |
| 11 - 12    | *                    | *                     | *                     |  | 41.5                    | *                      | *                      | *                    | *                      | *                    | 41.5            | 0              | 41.5                      |
| 12 - 13    | *                    | *                     | *                     |  | 42.6                    | *                      | *                      | *                    | *                      | *                    | 42.6            | 0              | 42.6                      |
| 13 - 14    | *                    | *                     | *                     |  | 41.6                    | *                      | *                      | *                    | *                      | *                    | 41.6            | 0              | 41.6                      |
| 14 - 15    | *                    | *                     | *                     |  | 41.5                    | *                      | *                      | *                    | *                      | *                    | 41.5            | 0              | 41.5                      |
| 15 - 16    | *                    | *                     | *                     |  | 41.1                    | *                      | *                      | *                    | *                      | *                    | 41.1            | 0              | 41.1                      |
| 16 - 17    | *                    | *                     | *                     |  | 40.7                    | *                      | *                      | *                    | *                      | *                    | 40.7            | 0              | 40.7                      |
| 17 - 18    | *                    | *                     | *                     |  | 41.4                    | *                      | *                      | *                    | *                      | *                    | 41.4            | 0              | 41.4                      |
| 18 - 19    | *                    | *                     | *                     |  | 42.7                    | *                      | *                      | *                    | *                      | *                    | 42.7            | 0              | 42.7                      |
| 19 - 20    | *                    | *                     | *                     |  | 42.9                    | *                      | *                      | *                    | *                      | *                    | 42.9            | 0              | 42.9                      |
| 20 - 21    | *                    | *                     | *                     |  | 43.4                    | *                      | *                      | *                    | *                      | *                    | 43.4            | 0              | 43.4                      |
| 21 - 22    | *                    | *                     | *                     |  | 42.4                    | *                      | *                      | *                    | *                      | *                    | 42.4            | 0              | 42.4                      |
| 22 - 23    | *                    | *                     | *                     |  | 44                      | *                      | *                      | *                    | *                      | *                    | 44              | 0              | 44                        |
| 23 - 24    | *                    | *                     | *                     |  | 45                      | *                      | *                      | *                    | *                      | *                    | 45              | 0              | 45                        |
| Totals     | 0                    | 0                     | 0                     |  | 592.7                   | 483.1                  | 0                      | 0                    | 0                      | 0                    |                 |                |                           |
| % of Total | 0%                   | 0%                    | 0%                    |  | 55.09%                  | 44.91%                 | 0%                     | 0%                   | 0%                     | 0%                   |                 |                |                           |

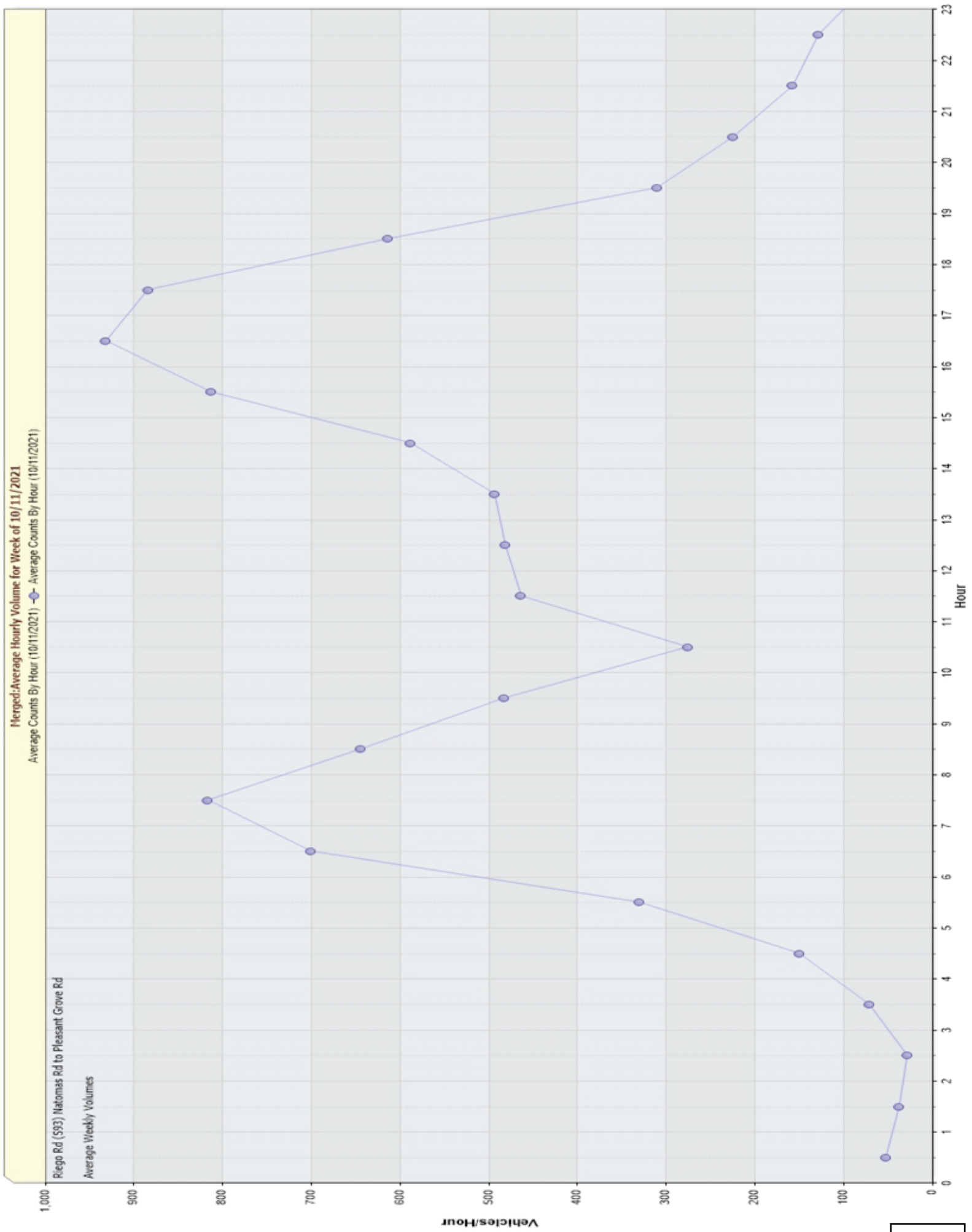
| Hour    | Oct 2021 |         |           |          |        |          |        | Weekend<br>Avg | Week Day 85%<br>Avg Speed |
|---------|----------|---------|-----------|----------|--------|----------|--------|----------------|---------------------------|
|         | Monday   | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday |                |                           |
| 0 - 1   | *        | *       | *         | 43       | *      | *        | *      | 0              | 43                        |
| 1 - 2   | *        | *       | *         | 46       | *      | *        | *      | 0              | 46                        |
| 2 - 3   | *        | *       | *         | 49       | *      | *        | *      | 0              | 49                        |
| 3 - 4   | *        | *       | *         | 45.6     | *      | *        | *      | 0              | 45.6                      |
| 4 - 5   | *        | *       | *         | 44       | *      | *        | *      | 0              | 44                        |
| 5 - 6   | *        | *       | *         | 43.8     | *      | *        | *      | 0              | 43.8                      |
| 6 - 7   | *        | *       | *         | 42.1     | *      | *        | *      | 0              | 42.1                      |
| 7 - 8   | *        | *       | *         | 42       | *      | *        | *      | 0              | 42                        |
| 8 - 9   | *        | *       | *         | 43       | *      | *        | *      | 0              | 43                        |
| 9 - 10  | *        | *       | *         | 42.6     | *      | *        | *      | 0              | 42.6                      |
| 10 - 11 | *        | *       | 41.9      | 42       | *      | *        | *      | 0              | 41.95                     |
| 11 - 12 | *        | *       | 41.5      | *        | *      | *        | *      | 0              | 41.5                      |
| 12 - 13 | *        | *       | 42.6      | *        | *      | *        | *      | 0              | 42.6                      |
| 13 - 14 | *        | *       | 41.6      | *        | *      | *        | *      | 0              | 41.6                      |
| 14 - 15 | *        | *       | 41.5      | *        | *      | *        | *      | 0              | 41.5                      |
| 15 - 16 | *        | *       | 41.1      | *        | *      | *        | *      | 0              | 41.1                      |
| 16 - 17 | *        | *       | 40.7      | *        | *      | *        | *      | 0              | 40.7                      |
| 17 - 18 | *        | *       | 41.4      | *        | *      | *        | *      | 0              | 41.4                      |
| 18 - 19 | *        | *       | 42.7      | *        | *      | *        | *      | 0              | 42.7                      |
| 19 - 20 | *        | *       | 42.9      | *        | *      | *        | *      | 0              | 42.9                      |
| 20 - 21 | *        | *       | 43.4      | *        | *      | *        | *      | 0              | 43.4                      |
| 21 - 22 | *        | *       | 42.4      | *        | *      | *        | *      | 0              | 42.4                      |
| 22 - 23 | *        | *       | 44        | *        | *      | *        | *      | 0              | 44                        |
| 23 - 24 | *        | *       | 45        | *        | *      | *        | *      | 0              | 45                        |

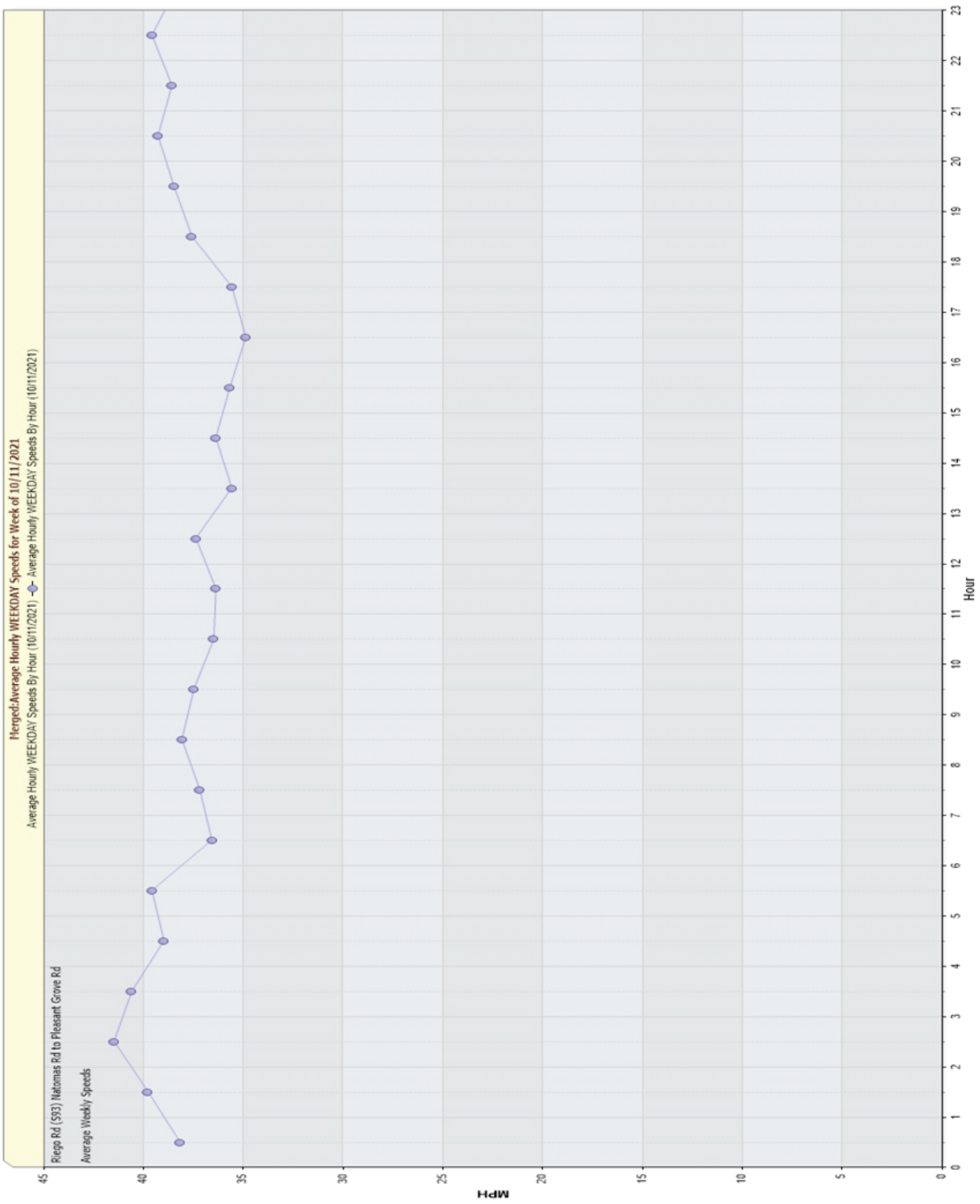
| Starting Hour | Count | Average Speed of all Traffic | Violator Counts | Average Speed of Violators |
|---------------|-------|------------------------------|-----------------|----------------------------|
| 00:00:00      | 53    | 38.2                         | 1               | 57.0                       |
| 01:00:00      | 38    | 39.8                         | 0               | 0.0                        |
| 02:00:00      | 29    | 41.5                         | 0               | 0.0                        |
| 03:00:00      | 72    | 40.6                         | 0               | 0.0                        |
| 04:00:00      | 151   | 39.0                         | 1               | 56.0                       |
| 05:00:00      | 331   | 39.6                         | 0               | 0.0                        |
| 06:00:00      | 701   | 36.6                         | 0               | 0.0                        |
| 07:00:00      | 817   | 37.2                         | 1               | 56.0                       |
| 08:00:00      | 645   | 38.1                         | 1               | 60.0                       |
| 09:00:00      | 483   | 37.5                         | 0               | 0.0                        |
| 10:00:00      | 553   | 36.5                         | 1               | 56.0                       |
| 11:00:00      | 464   | 36.4                         | 0               | 0.0                        |
| 12:00:00      | 482   | 37.4                         | 0               | 0.0                        |
| 13:00:00      | 494   | 35.6                         | 0               | 0.0                        |
| 14:00:00      | 589   | 36.4                         | 0               | 0.0                        |
| 15:00:00      | 814   | 35.7                         | 0               | 0.0                        |
| 16:00:00      | 932   | 34.9                         | 0               | 0.0                        |
| 17:00:00      | 885   | 35.6                         | 0               | 0.0                        |
| 18:00:00      | 614   | 37.6                         | 2               | 56.0                       |
| 19:00:00      | 311   | 38.5                         | 0               | 0.0                        |
| 20:00:00      | 225   | 39.3                         | 1               | 60.0                       |
| 21:00:00      | 158   | 38.6                         | 0               | 0.0                        |
| 22:00:00      | 129   | 39.6                         | 1               | 56.0                       |
| 23:00:00      | 72    | 38.3                         | 0               | 0.0                        |

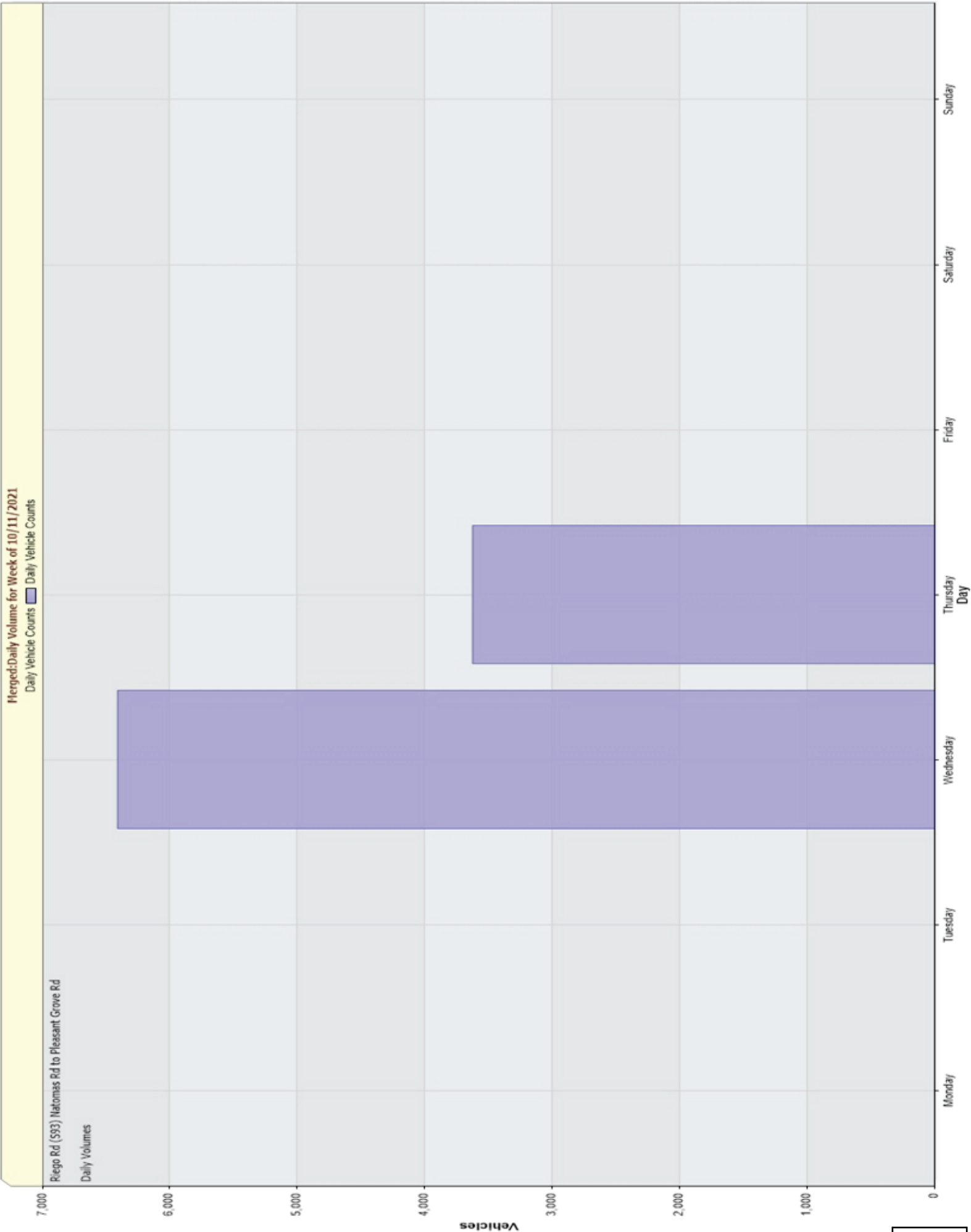












Traffic Counts Affidavit

I, NEAL HAY, declare under penalty of perjury that the vehicle counts provided are an accurate representation of current traffic flow.

Signature: NH

Title: DIRECTOR OF  
DEVELOPMENT  
SERVICES

Date: 10/22/2021

## **Appendix F:**

Letter of Support

October 13, 2021

Zaida Amaya, Regulatory Analyst  
California Public Utilities Commission  
180 Promenade Circle, Suite 115  
Sacramento, CA 95834

**RE: Support for the Section 190 Grade Separation Program  
Grade Separation Priority List for Fiscal Years 2022-2023 and 2023-2024  
Proposed Riego Road Grade Separation Project**

Dear Zaida Amaya:

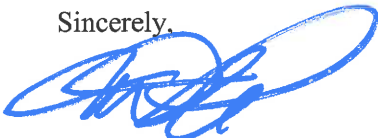
On behalf of Sutter County, I am writing to confirm Placer County Transportation Planning Agency's support for Sutter County's Riego Road Grade Separation Project application for inclusion on the CPUC Grade Separation Priority List.

As the Sacramento region has grown, it has become more difficult to efficiently connect people, goods, and services, driving travelers to take less-direct routes and forcing more traffic onto severely congested highway segments. The Riego Road Grade Separation Project represents a unique regional opportunity to make a strategic investment in the transportation networks of Sutter County, Placer County, and the City of Roseville to enhance the safety of the public.

The grade separation proposes to raise Riego Road over the Union Pacific Railroad along the Riego Road/Baseline Road corridor that is planned to be widened from two lanes to four lanes, and ultimately six lanes. Roadway widening along with multiple adjacent Specific Plan developments and corresponding population growth, will more than triple the number of vehicles traversing the Riego Road at-grade crossing, surpassing 30,000 ADT by 2040. The grade separation is proposed as a standalone project and coupled with roadway widening will provide a much-needed alternative route in case of emergency evacuation, protect the viability of rural and suburban economies, and ensure that future growth along Riego Road/Baseline Road has access to high-quality transit and pedestrian facilities. Further, the grade separation will promote a viable goods movement route between Interstate 80 and State Route 99 and promote farm-to-market travel. It will also dramatically improve safety on a regional rural route for active transportation as there are currently no facilities in the vicinity of the at-grade crossing. This project would include active transportation facilities to give current and future residents a safe and direct means of making regional bicycle and pedestrian connections.

The Riego Road Grade Separation Project is an ideal candidate for inclusion in the CPUC Grade Separation Priority List. The project creates an enhanced corridor for mobility and safety through the Riego Road/Baseline Road corridor that is expected to see a great increase in vehicle, goods movement, and active transportation traffic. For these reasons, we ask you to consider the Riego Road Grade Separation Project application.

Sincerely,



Michael W. Luken  
Executive Director