Background

• Contracted a consultant, RSE to perform a grade crossing hazard analysis in 2015.
• Updated the analysis report to include pedestrian crossings in 2018.
• Updated the grade crossings prioritization list in July 2019.
Methodology

1. Review collision data and traffic volume
2. Determine hazard scenarios
   a) Cars stopped on tracks
   b) Cars turning onto tracks
   c) Cars going around down gate
3. Determine probability of hazard scenario
4. Recommend cost effective safety improvements to mitigate hazard
**Crossings completed in 2018**

1. 16th Street, San Francisco  
2. Broadway, Burlingame  
3. Peninsula, Burlingame  
4. 4th Ave, San Mateo  
5. Whipple, Redwood City  
6. Broadway, Redwood City  
7. Main St, Redwood City  
8. Ravenswood, Menlo Park  
9. Alma, Palo Alto  
10. Charleston, Palo Alto  
11. Rengstorff, Mountain View  
12. Castro, Mountain View  
13. Mary Ave, Sunnyvale
Crossings to be improved in 2020

1. 1<sup>st</sup> Ave, San Mateo
2. 2<sup>nd</sup> Ave, San Mateo
3. 3<sup>rd</sup> Ave, San Mateo
4. Glenwood, Menlo Park
5. Oak Grove, Menlo Park
Safety improvements

1. Install medians
2. Install pavement markings including “KEEP CLEAR” on top of tracks
3. Install pavement markers on edge of roadway
Potential future safety improvements

1. Paint entire crossing red
2. Install flexible bollards on edge of roadway
3. Install lit pavement markers on edge of roadway
Questions?