



# Grade Crossing Hazard Analysis

**Citizens Advisory Committee**

**October 16, 2019**

**Agenda Item #7**

# 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. **16<sup>th</sup> Street, San Francisco**
2. **Broadway, Burlingame**
3. **Peninsula, Burlingame**
4. **4<sup>th</sup> 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?**

