

Audit, Safety Compliance and Real Estate Committee: Safety Update

February 6, 2018



Greater Cleveland Regional Transit Authority



Agenda

- E-TRP Update and Video Review
- Rail Data
- RSSPP



Greater Cleveland Regional Transit Authority



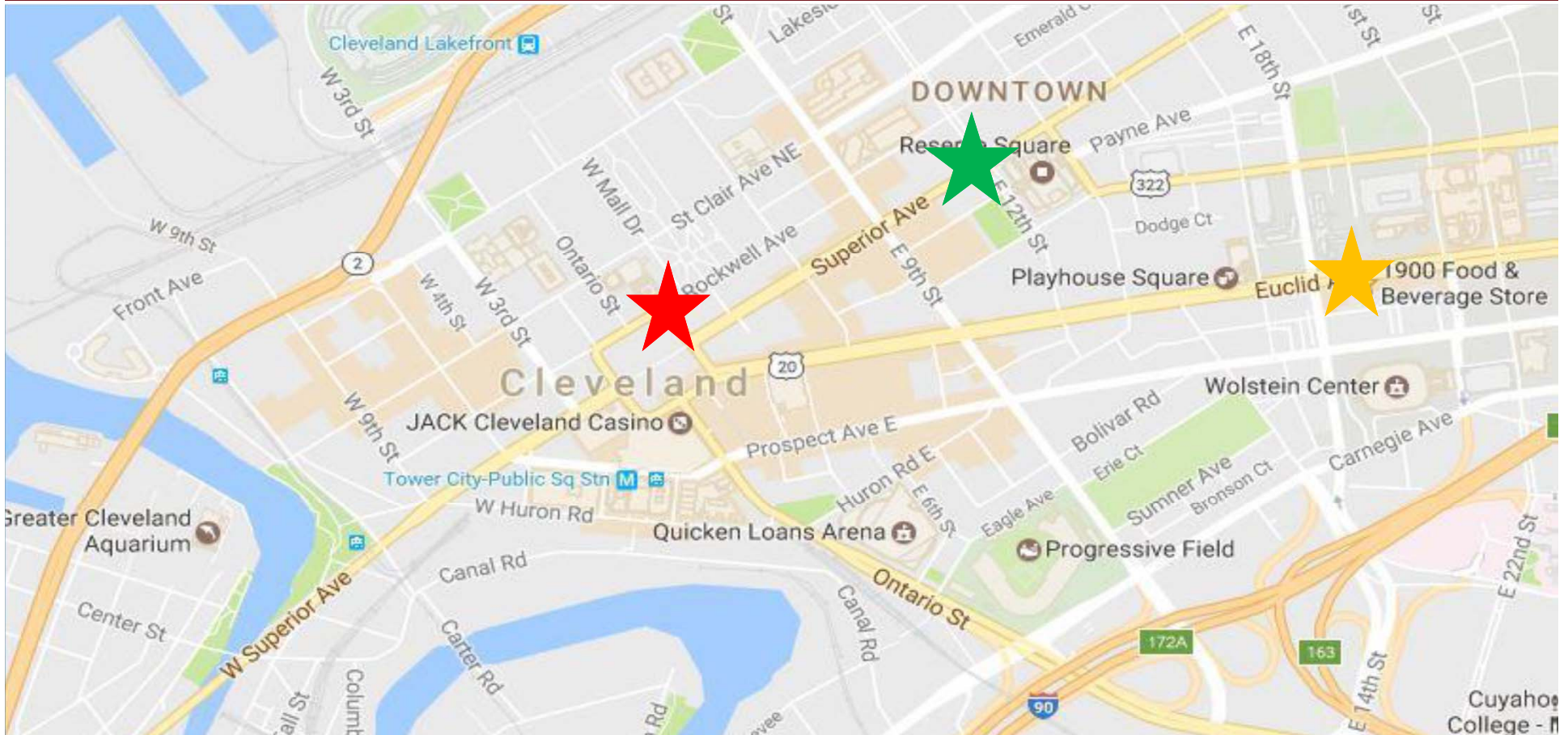
Enhanced Transit Vehicle Retrofit Package (E-TRP)


- Designed to:
 - Save lives
 - Warn Operators of Potential Pedestrian Collisions
 - Prevent Potential Vehicle-to-Vehicle Collisions
- Six-month Pilot (February 2 – August 2)
- Three Intersections, 24 Coaches





Greater Cleveland Regional Transit Authority





 Rockwell Ave. & E. Roadway
(Non-signalized)

 E. 12th St. & Superior Ave. (Signalized - Siemens M50 Controller)

 Euclid Ave. & E. 19th St. (Mid-Block)



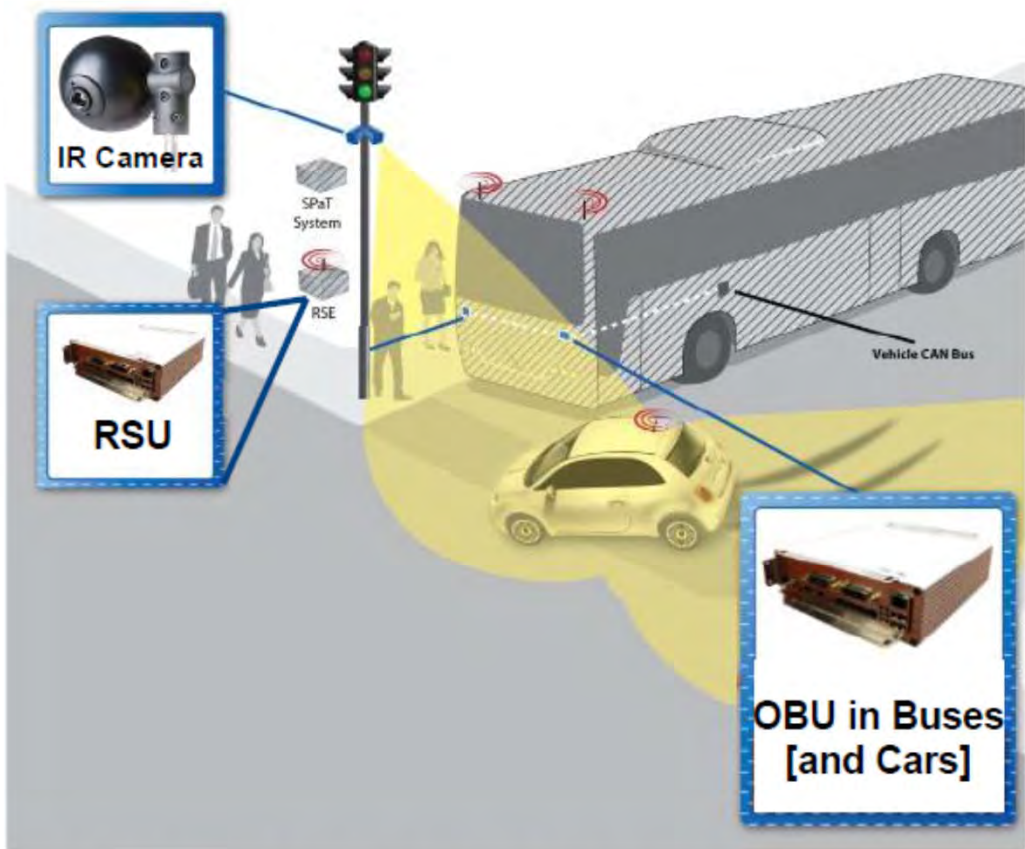
Greater Cleveland Regional Transit Authority



Connected Roadside and Vehicle(s)

Roadside cameras and [sensors] communicate (V2I) pedestrian presence on curb or in crosswalk to Roadside Unit (RSU)

Buses [and cars] communicate with RSU (V2I) to obtain signal phase (Red, Green, Yellow), permitted lane movements, and pedestrian presence



On Board Unit (OBU) installed in Buses [and cars]

Buses [and cars] communicate (V2V), share location and heading [and details such as gear/brake status and weather data like wiper status]

Note: [Bracketed text] denotes vehicles or functions/information that can be communicated/presented in CV applications, but which is not used in this project.





Greater Cleveland Regional Transit Authority





Greater Cleveland Regional Transit Authority



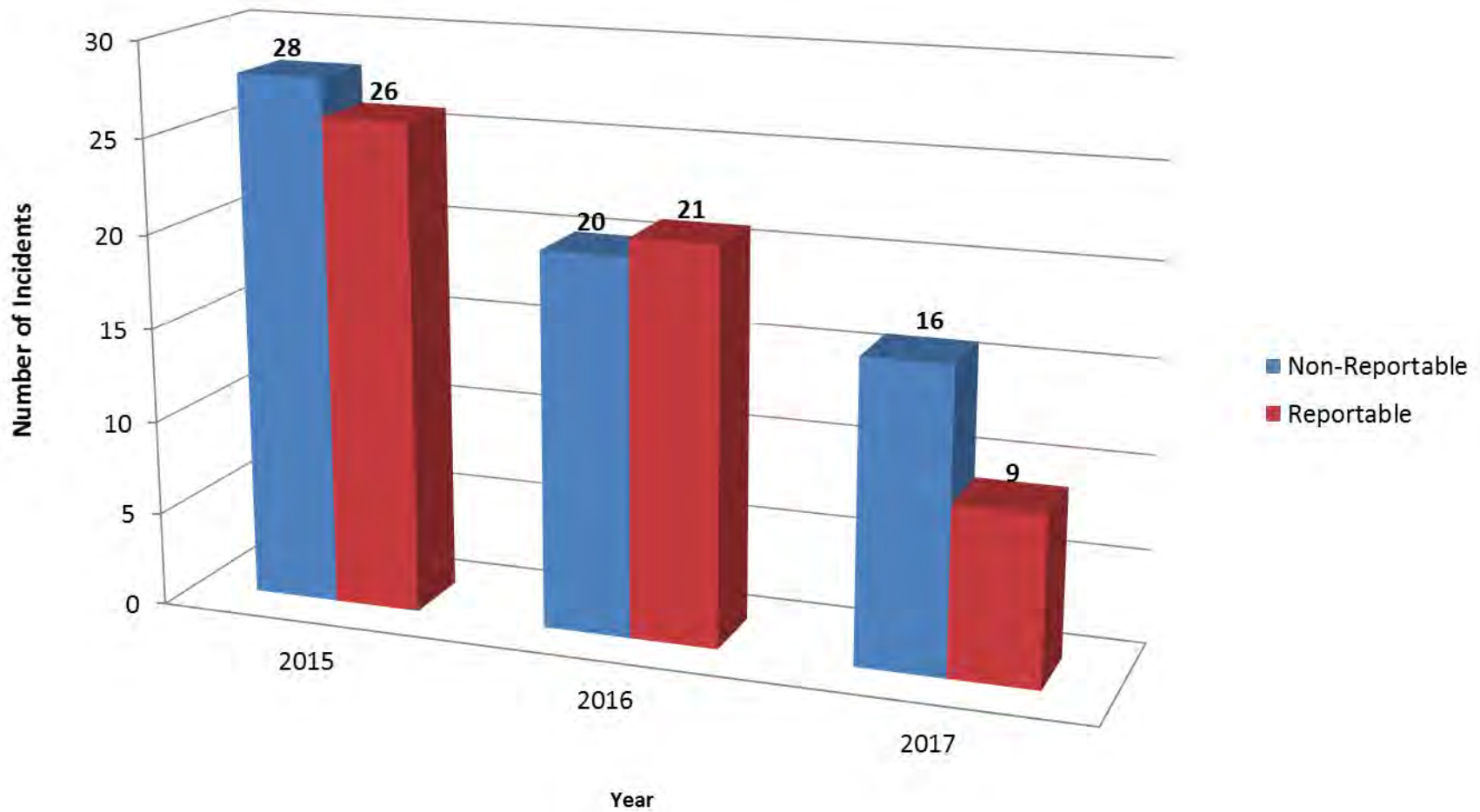
Rail System Safety Program Plan (RSSPP)



Greater Cleveland Regional Transit Authority



Rail Reportable vs. Non-Reportable Incidents 2015 - 2017



Rail System Safety Program Plan (RSSPP)

- Will act as interim Agency Safety Plan
- Primary goal is to plan, design, construct, test, and operate a rail system that attains an optimum level of safety
- Required to be approved by Board annually
- 21 sections audited over 3 years
- Triennial Audit every 3 years



RSSPP TABLE OF CONTENTS

SECTION 1	POLICY STATEMENT
SECTION 2	OVERVIEW
SECTION 3	MANAGEMENT STRUCTURE
SECTION 4	SSPP REVIEW AND MODIFICATION
SECTION 5	SSPP IMPLEMENTATION REQUIREMENTS
SECTION 6	HAZARD MANAGEMENT
SECTION 7	SAFETY AND SECURITY CERTIFICATION
SECTION 8	SYSTEM MODIFICATION
SECTION 9	SAFETY DATA ACQUISITION
SECTION 10	INCIDENT NOTIFICATION, INVESTIGATION, AND REPORTING
SECTION 11	EMERGENCY MANAGEMENT
SECTION 12	INTERNAL SAFETY AUDIT PROGRAM
SECTION 13	RULES AND PROCEDURES REVIEW
SECTION 14	FACILITIES AND EQUIPMENT INSPECTIONS
SECTION 15	MAINTENANCE AUDIT AND INSPECTIONS
SECTION 16	EMPLOYEE AND CONTRACTOR TRAINING AND CERTIFICATION
SECTION 17	CONFIGURATION MANAGEMENT
SECTION 18	COMPLIANCE WITH LOCAL, STATE AND FEDERAL SAFETY REQUIREMENTS
SECTION 19	HAZARDOUS MATERIALS PROGRAM
SECTION 20	DRUG AND ALCOHOL ABUSE PROGRAM
SECTION 21	PROCUREMENT



Authority



Rail System Safety Program Plan (RSSPP)

- Staff requests Committee to recommend approval of the Rail System Safety Program Plan (RSSPP) to the Full Board



Greater Cleveland Regional Transit Authority



Questions?



Greater Cleveland Regional Transit Authority

