

Trespasser Prevention Strategies



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Background



Los Angeles County
Sheriff's Department



Metro™



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LOS ANGELES COUNTY SHERIFF'S DEPARTMENT

- Approximately 10,000 Deputy Sheriffs
- Involved in Transit Policing since 1990
- 500 dedicated deputy sheriffs to transit policing
- Geographic area covering 4083 square miles of L.A. County (population 10 million)
- Additional patrol of Metrolink ROW in the 5 nearby counties – Orange, San Diego, Riverside, San Bernardino, Ventura



LOS ANGELES METROPOLITAN TRANSPORTATION AUTHORITY

Six Train Lines (88 track miles)

- Ridership is 300,000 daily
- At grade/shared with street
- Heavy rail
- Light rail
- Subway
- Elevated



Metro



Current Metro Right of Way Safety Measures

- **Tunnel Sensors at portals**
 - *East Los Angeles*
 - *Expo Line USC*
- **Switch sensors at platform to subway tunnels**
- **Pad sensors at grade by platforms**
- **CCTV and LexRay**



Southern California Regional Rail Authority &



METROLINK®

- Service into six counties with Los Angeles as the hub (*55 passenger stations*)
- 178 trains per day
- 512 track miles with new line service starting in October of 2015 (Perris Valley)
- Five tunnels
- Hundreds of bridges
- Three of six lines share track with Amtrak, Union Pacific, BNSF
- 338 total fatalities, approximately 139 of those were ruled as suicides since 1992
- 2015 year to date - six fatalities and two suicides

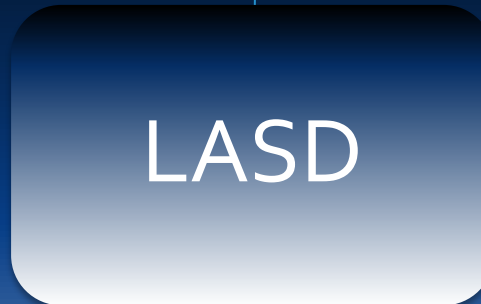
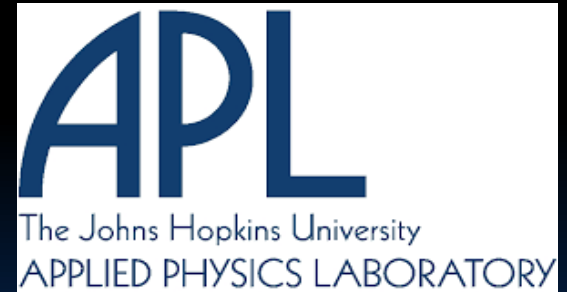


Current Metrolink Right of Way Safety Measures

- **IR tunnel sensors at the four of the five Metrolink tunnels**
- 29 Deputy Sheriffs
- Public awareness
- Local LE outreach/partnerships



Mass Transit Test Bed (MTTB)



MTTB ROW Technologies Currently Being Tested by LASD

- 3D laser intrusion detection
- Fence line intrusion detection
- Ground sensing intrusion detection
- Rail-borne IR robot (*Photos to follow*)



MTTB Rail-borne IR robot



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MTTB Rail-borne IR robot



Questions?



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