

Building and Maintaining a Safe and Secure Light Rail System

Safety and Security

Planning for safety and security on and around light rail is a top priority for C-TRAN, TriMet and the Columbia River Crossing (CRC) project. The new light rail line will be designed to promote safe interaction between light rail trains, cars, pedestrians and bicyclists. Through a cooperative team effort and the application of safety and security principles, light rail will be designed and constructed to run safely, securely, dependably and efficiently.

Providing Passenger Security

CRC is working closely with the City of Vancouver and City of Portland police, and C-TRAN and TriMet security to maximize passenger safety at stations and park & ride facilities, as well as on light rail trains. CRC's security plan will include the following:

- Monitor stations and trains by transit security and local police officers.
- Enforce fare payment.
- Install Closed-Circuit TV (CCTV) at light rail stations, park & rides and on trains.
- Partner with local law enforcement and the regional 9-1-1 system to have the closest available unit be the "first responder" to an incident.



Transit police and fare inspectors help increase passenger safety

CRC is a bridge, transit and highway project for five miles of I-5 between Vancouver and Portland that will increase safety and mobility for freight, autos, transit, pedestrians and bicyclists. It will:

- Replace the Interstate Bridge
- Extend the MAX Yellow line (light rail) from Portland to Clark College in Vancouver
- Enhance pedestrian/bicycle connections
- Improve seven interchanges

- Establish programs to remove graffiti, pick-up litter and maintain landscaping.
- Work with local government to develop supportive land uses near transit stations.

Designing a Safe Light Rail System

CRC is using design strategies proven to reduce the potential for crime at stations and on trains. Significant input from advisory groups, local jurisdictions and the public will help in the design of a safe system.

Recommendations include:

- Integrate stations into the community, near residential and commercial buildings.
- Manage pedestrian access to stations through the strategic placement of entrances and exits, fencing, lighting and landscaping.
- Design stations so that activity is easily visible, with clear lines of sight into and out of the station.
- Ensure stations are well-maintained and aesthetically pleasing using high-quality materials, attractive design features and public art.



Cable, bollards and distinctive surfaces help define transit, auto and pedestrian areas

- Create a well-defined separation of stations and crosswalks from traffic, using distinct pavement textures and traffic signals. Use visual and audible warning devices to alert pedestrians, bicyclists and drivers to approaching trains.

What's Next?

Safety and security are planned into every phase of the light rail project—from design, through construction and into operations. Over the next year, CRC will:

- Hold station area design workshops.
- Formalize the Safety and Security Management Plan—the blueprint for managing safety and security throughout all phases of the project.



Station lighting increases visibility for those on or approaching platforms

- Work with first responder agencies (police, fire, coast guard, emergency medical services) to identify light rail safety and security issues, ensure fire and life safety codes are met and plan emergency responses.

How can I get involved?

- Contact the project office to talk with a staff member
- Visit the website at www.ColumbiaRiverCrossing.org to sign up for updates
- Attend an advisory group meeting
- Invite CRC staff to your group to discuss the project


How can I comment on the project?


E-Mail: feedback@columbiarivercrossing.org

Mail: 700 Washington St, Suite 300
Vancouver, WA 98660

Phone: 360-737-2726 or 503-256-2726

Fax: 360-737-0294

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