



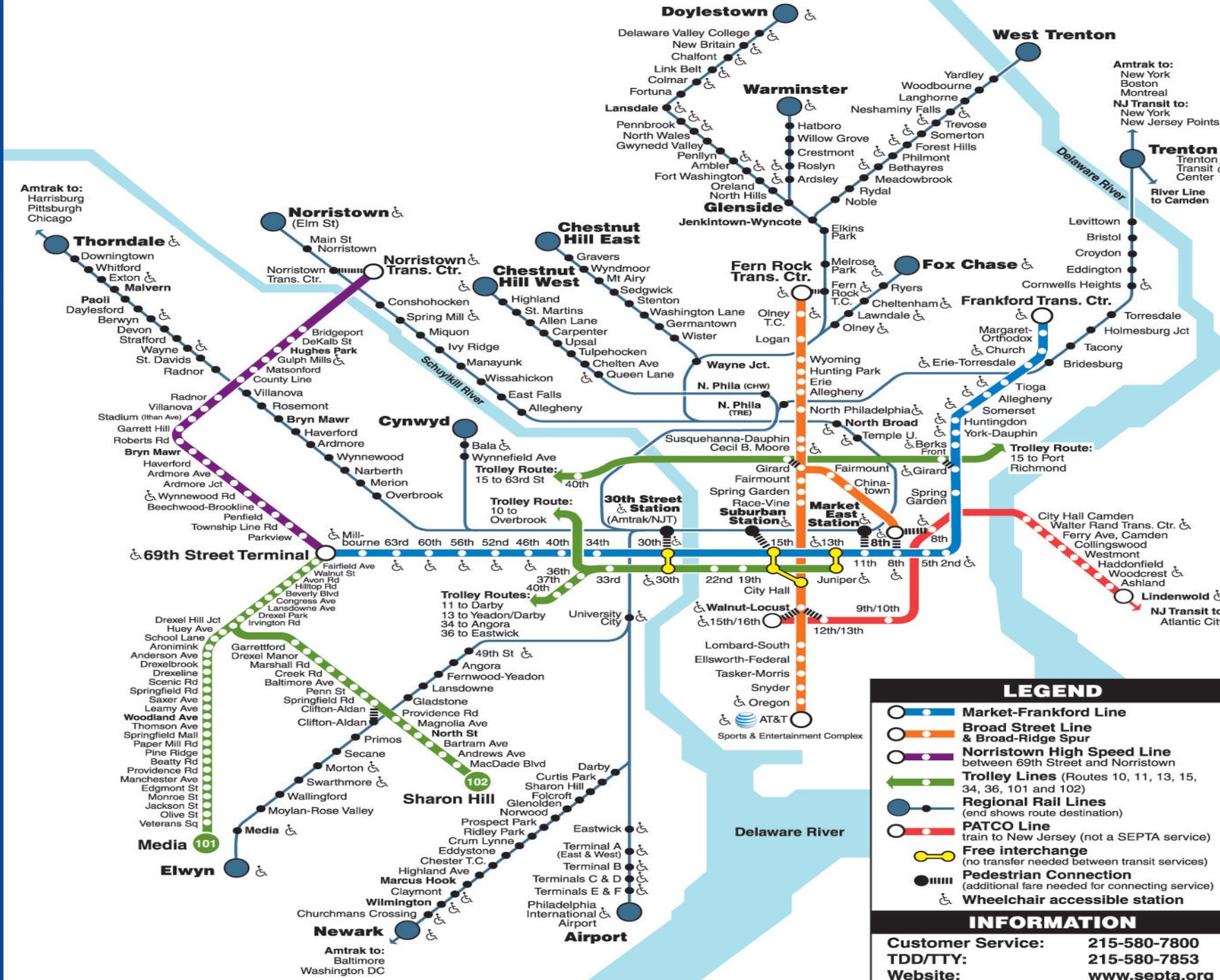
Jim Fox, Director of System Safety & Risk Management
Presentation To:
2012 ROW Fatality and Trespass Prevention Workshop
Hazard Management Session
August 2012

- 6th Largest U.S. Transit Agency
- Population: 4 Million Residents
- Coverage Area: 2,200 Miles
- Ridership: 1 Million Daily (300 Million Annually)
- Employees: 9,200
- Vehicles: 2,700
- Fixed Routes: 144



The Resulting Service Network is Expansive...

SEPTA Regional Rail & Rail Transit

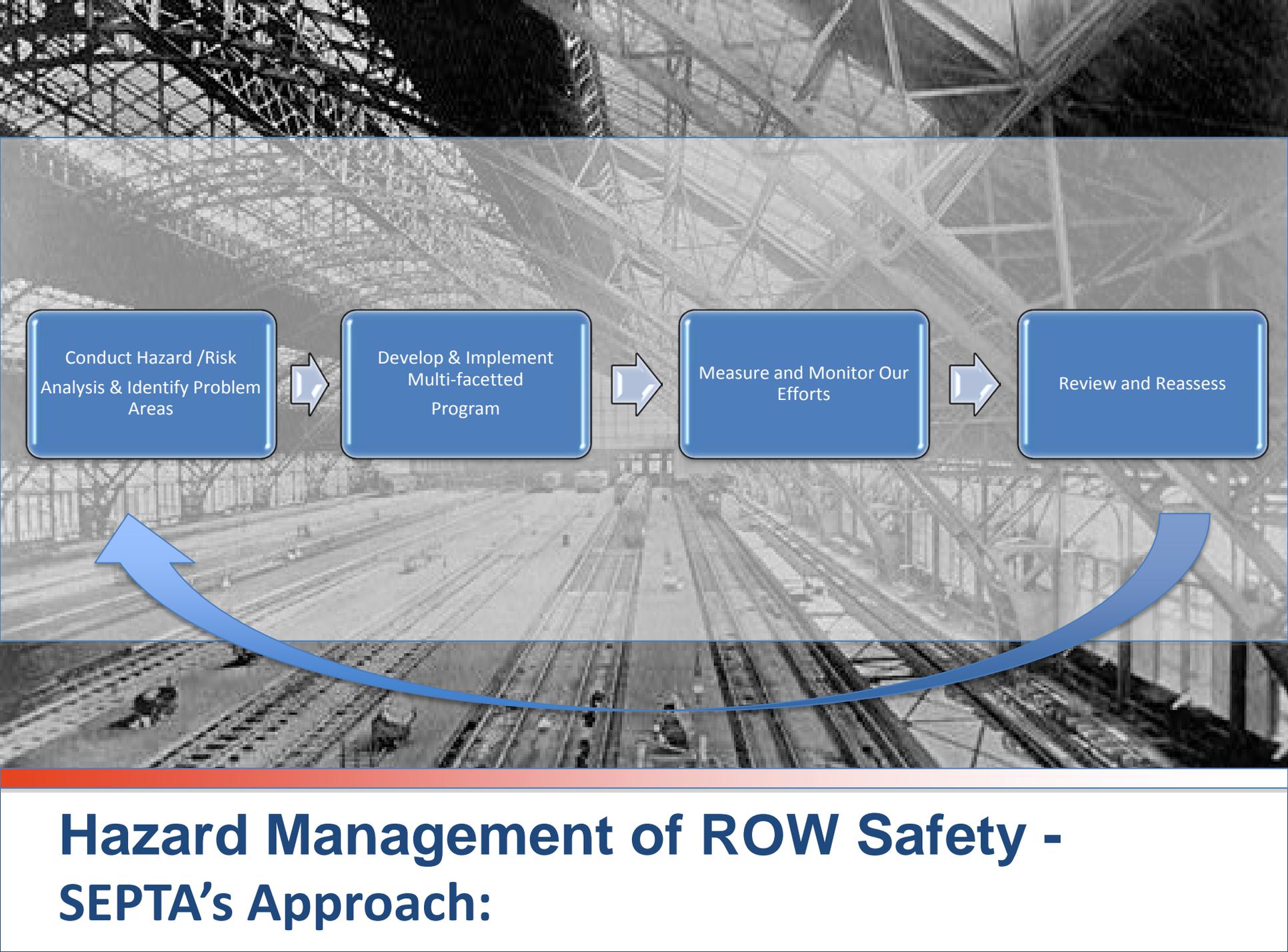


LEGEND

- Market-Frankford Line**
- Broad Street Line & Broad-Ridge Spur**
- Norristown High Speed Line** between 69th Street and Norristown
- Trolley Lines** (Routes 10, 11, 13, 15, 34, 36, 101 and 102)
- Regional Rail Lines** (end shows route destination)
- PATCO Line** train to New Jersey (not a SEPTA service)
- Free interchange** (no transfer needed between transit services)
- Pedestrian Connection** (additional fare needed for connecting service)
- Wheelchair accessible station**

INFORMATION

Customer Service: 215-580-7800
TDD/TTY: 215-580-7853
Website: www.septa.org



```
graph LR; A[Conduct Hazard /Risk Analysis & Identify Problem Areas] --> B[Develop & Implement Multi-faceted Program]; B --> C[Measure and Monitor Our Efforts]; C --> D[Review and Reassess]; D --> A;
```

Conduct Hazard /Risk
Analysis & Identify Problem
Areas

Develop & Implement
Multi-faceted
Program

Measure and Monitor Our
Efforts

Review and Reassess

Hazard Management of ROW Safety - SEPTA's Approach:

**Conduct Hazard /Risk
Analysis & Identify
Problem Areas**

**Develop &
Implement a
Multi-faceted
Program**

**Measure and
Monitor Our Efforts**

Review and Reassess

- 
- **Accident Data – GEO Map Trespasser and Passenger Incidents**
 - **Crew Reports – Control Center Data**
 - **Customer Service Calls – Public Eyes and Ears**
 - **SEPTA and Municipal Police Data**

Analyze The Trends From Multiple Sources

Conduct Hazard /Risk
Analysis & Identify
Problem Areas

Develop &
Implement a
Multi-faceted
Program

Measure and
Monitor Our Efforts

Review and Reassess

(jgz215@aol.com) on Tuesday, March 9, 2010 at 10:56:29

Name: Jordan G. Zeitz

phone: 610-938-2618

Comment: Suggestion

Comments: I am a resident of Swarthmore who is concerned about the lack of any fence preventing children from entering the train tracks on Widener Way between North Swarthmore Avenue and Riverview Road. There is a park which runs parallel with the tracks where many children go to play. There is also a swim club nearby which many children use. The possibility of a child running onto the tracks is great.

Please advise why SEPTA has not erected a fence or some other protective barrier in this area. I have been advised by the borough that it is SEPTA's responsibility.

Thank you for your courtesy.

1

Customer Service Complaint Database

Conduct Hazard /Risk Analysis & Identify Problem Areas

Develop & Implement a Multi-faceted Program

Measure and Monitor Our Efforts

Review and Reassess

Control Center Data
Unauthorized Person
Feb 2012- May 2012

District	Scheduled Min. Lost	Service Incidents	Trips Missed
CALLOWHILL RAIL		2	
ELMWOOD	0	13	0
VICTORY MSH	0	34	0
VICTORY NHSL	14	22	0
	14	71	0

Incident	Incident Date Time	Route Id	Block ID	Vehicle Id	Operator Id	Problem Subcodes	Location	Direction	Problem/Action	Delay Info	Scheduled Min. Lost	Trips Missed
RT1203140173	03/14/12 09:18 AM	10	9062	9085	6426	UAP	13th	EASTB OUN	03/14/12 09:33:41 Closed By Controller: 87452 Opr report suspicious person at 15th east; spvr enroute. Spvr report NTF.			
RT1205090019	05/09/12 02:36 AM	10	9052	9022	2212	UAP	22nd st	WESTB OUN	05/09/12 02:58:52 Closed By Controller: 10313 opr reports african american male with a white shirt and black pants with a cane walking in the trk area between 15th and 19th headed wb, septa 108 enroute, no more trolleys in the subway headed in that direction to notify. septa 108 was called and siad NTF.			

Train Crew Reports – Control Center Data Base

Conduct Hazard /Risk Analysis & Identify Problem Areas

Develop & Implement a Multi-faceted Program

Measure and Monitor Our Efforts

Review and Reassess



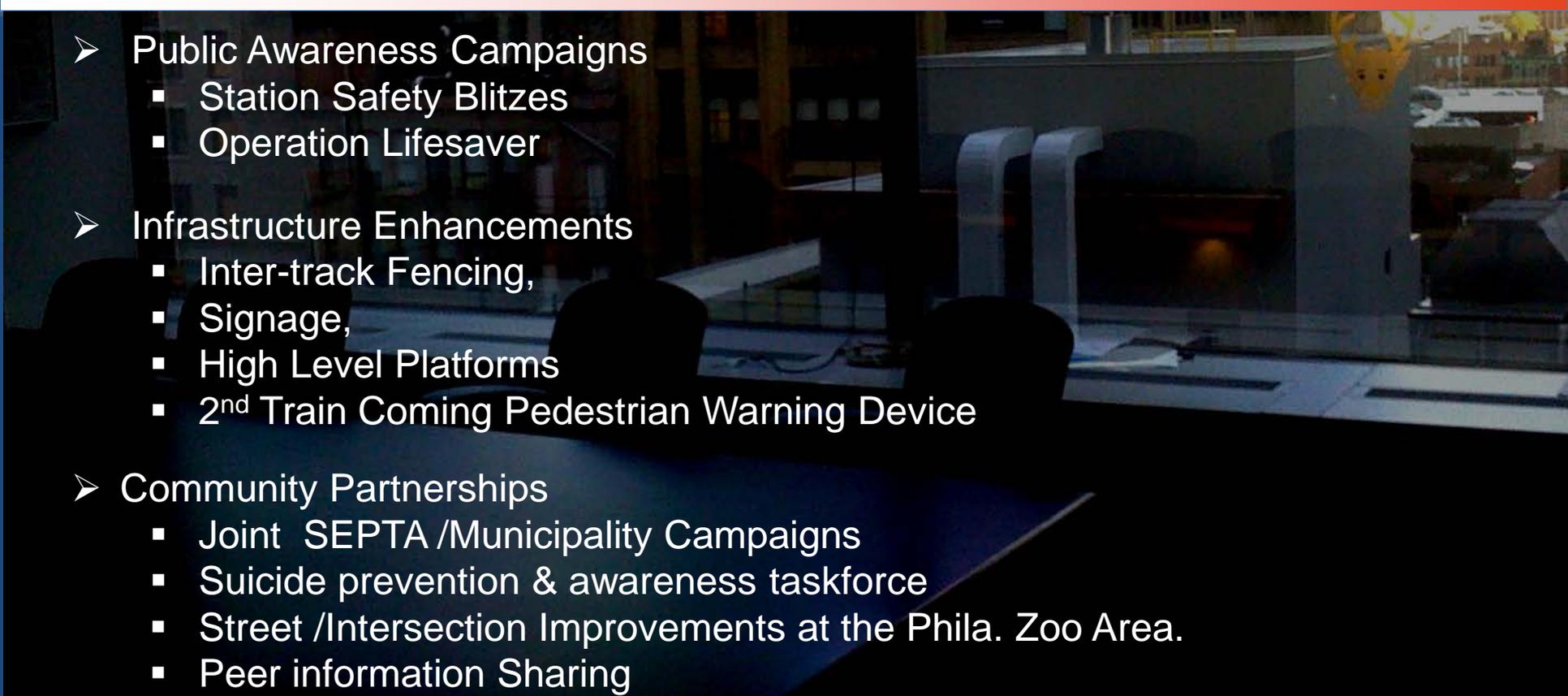
LRV Incidents 2007-2012 - Geo-Mapping

Conduct Hazard /Risk Analysis & Identify Problem Areas

Develop & Implement a Multi-faceted Program

Measure and Monitor Our Efforts

Review and Reassess

- 
- Public Awareness Campaigns
 - Station Safety Blitzes
 - Operation Lifesaver
 - Infrastructure Enhancements
 - Inter-track Fencing,
 - Signage,
 - High Level Platforms
 - 2nd Train Coming Pedestrian Warning Device
 - Community Partnerships
 - Joint SEPTA /Municipality Campaigns
 - Suicide prevention & awareness taskforce
 - Street /Intersection Improvements at the Phila. Zoo Area.
 - Peer information Sharing

Cover All Bases but Focus on the Targeted Areas

Conduct Hazard /Risk Analysis & Identify Problem Areas

Develop & Implement a Multi-faceted Program

Measure and Monitor Our Efforts

Review and Reassess



LOOK, LISTEN, LIVE



SEPTA has 7 Presenters Conducting 1/4 of the Presentations in Pennsylvania.

Conduct Hazard /Risk Analysis & Identify Problem Areas

Develop & Implement a Multi-facetted Program

Measure and Monitor Our Efforts

Review and Reassess



Station Safety Blitzes - School Principals Participate

Conduct Hazard /Risk Analysis & Identify Problem Areas

Develop & Implement a Multi-facetted Program

Measure and Monitor Our Efforts

Review and Reassess



Inter-track Fencing and Signage

Conduct Hazard /Risk Analysis & Identify Problem Areas

Develop & Implement a Multi-faceted Program

Measure and Monitor Our Efforts

Review and Reassess



2nd Train Coming Device – Audio and Visual

Conduct Hazard /Risk Analysis & Identify Problem Areas

Develop & Implement a Multi-faceted Program

Measure and Monitor Our Efforts

Review and Reassess



Operation Life Saver

- 7 Certified Presenters
- 2009 - 21 Presentations 2354 Attendees
- 2010 - 43 Presentations 2987 Attendees
- 2011 - 45 Presentations 1807 Attendees

Incorporation of Engineering Controls

- Inter-track fencing campaign - Complete
- 2nd Train Coming warning device – On going

Station Safety Blitzes

- 2009 8 Stations 770 Customers
- 2010 11 Stations 1375 Customers
- 2011 13 Stations 4612 Customers

Peer Partnering

- Participating and Presented in FTA/FRA joint Trespasser work shop 2008
- Work Closely with NJT, MTA Maryland, WMATA, NYCT

Community Partnering

- Teamed up with Hatboro Borough
- Partnering with Del Co suicide prevention & awareness taskforce

Summary of Our Efforts

Conduct Hazard /Risk Analysis & Identify Problem Areas

Develop & Implement a Multi-faceted Program

Measure and Monitor Our Efforts

Review and Reassess

MODE	2010				2011			
	Acc/Tres	?	Suicide	Total	Acc/Tres	?	Suicide	Total
Railroad	3	0	3	6	2	2	7	11
MFS	1	0	1	2	0	0	2	2
BSS	0	0	1	1	1	0	0	1
Subway Surface	0	0	0	0	0	0	0	0
CCT	1	0	0	1	0	0	0	0
MSHL	0	0	0	0	1	0	0	1
NHSL	0	0	0	0	0	1	0	1
Bus	3	0	0	3	2	0	0	2
On Property - non rev vehicle	3	0	0	3	0	0	0	0
TOTALS	11	0	5	16	6	3	9	18

The Statistics Don't Always Support Your Efforts



2012 Program Enhancements / Efforts

- Continue Operation Life Saver Program
- Continue Station Safety Blitzes
- Vehicle/Pedestrian Mitigation Program – Surface Modes
- Develop A Safety Awareness Month Campaign - September
- Partner with American Association of Suicidology
 - Submit for FRA funding
 - Install Suicide Prevention/Contact Hot Line Signage
- Attend 2012 Trespasser Workshop & Bring Back Other Practices / Ideas.

It's a Process of Continual Improvement



Jim Fox, Director of System Safety & Risk Management
Presentation To:
2012 ROW Fatality and Trespass Prevention Workshop
Hazard Management Session
August 2012