



Customer Services, Operations, and Safety Committee

Board Information Item III-A

February 11, 2010

Safety and Security Report

**Washington Metropolitan Area Transportation Authority
Board Action/Information Summary**

<input type="checkbox"/> Action <input checked="" type="checkbox"/> Information	MEAD Number:	Resolution: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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PURPOSE

To provide an update on Safety and Security as of January 2010.

DESCRIPTION

The information provides an update on all safety performance data for calendar year 2008 as compared to calendar year 2009, in the areas of derailments, fires, escalator injuries, rail, bus and MetroAccess passenger injuries, preventable and non-preventable bus collision rates, and the MetroAccess collision rate.

The information contains types of Part 1 crimes and quantity per calendar year from 2005 through 2009. The top ten stations in each jurisdiction experiencing crime in 2009 are identified along with quantity of crimes.

FUNDING IMPACT

None

RECOMMENDATION

None



Safety and Security Report

Customer Service, Operations, and Safety Committee

February 11, 2010



Safety Actions Update

- Continue full participation in NTSB accident investigation of January 26
- Completed two Roadway Worker Protection (RWP) groups
 - Weekly working groups involving cross section of employees from various disciplines to address safety issues
- Responded to preliminary FTA audit with clarifications / corrections on February 2
- Conducted meeting with safety department staff on February 3 to discuss additional training needs / requirements
- TOC Special Study on RWP
 - Will issue near-miss investigation report with Corrective Action Plan and new Right-of-Way (ROW) protection permanent order on February 15

Metrorail

- **Safety initiatives**

- Completed two Roadway Worker Protection (RWP) groups
 - Weekly working groups focused on reviewing the rules and protections for workers
- Continued focus on revising / clarifying RWP procedures, training, and enforcement
- Developing new Permanent Order addressing Right-of-Way safety





Safety Performance Highlights

Metrobus

▪ Safety initiatives

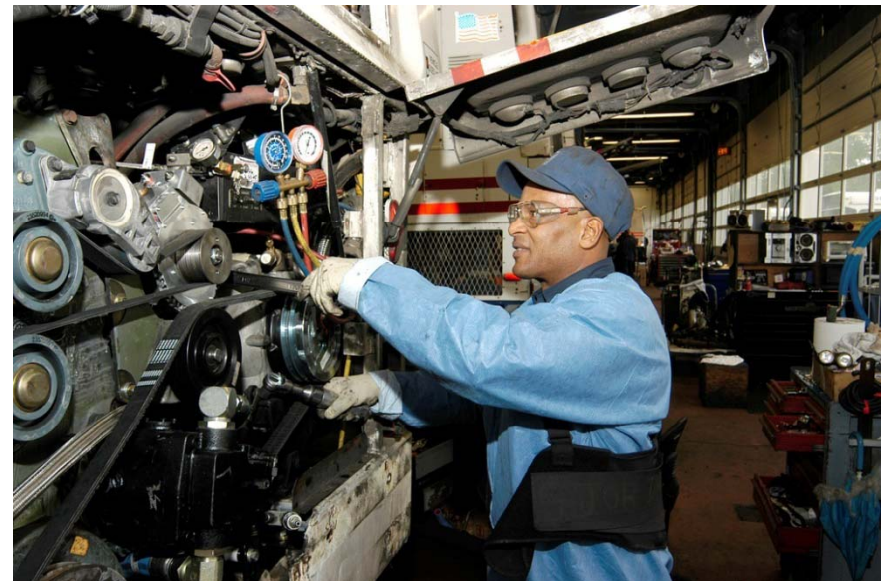
- District 1 Southern Avenue Division Superintendent Donald Tapp manages 12 Service Operations Managers and 253 Operators
- Implement initiatives promoting safety awareness and team building
- Emphasizes exiting safety policies and increased safety conversations
- Established mentorship program for new employees



Metrobus

▪ Safety initiatives

- Divisional safety committee, safety tip of the week to all division personnel, Superintendent ride along with bus operators
- Established bi-weekly roundtable safety meetings between bus operators and maintenance personnel
- Safety posters displayed at facility entrances
- Established mentor program with Anacostia High Seniors to promote community awareness, safety and customer service





Safety Performance Highlights

Metrobus

- **Safety initiatives**

- Partnered with MTPD promoting safety awareness to help prevent assaults on bus operators
- Established Employee of the Month recognition program for all of Southern Avenue Division



Metrobus

▪ Safety initiatives next steps

- Continue direct daily interaction with bus operators and division employees to reinforce safety
- Implement suggestions from safety meetings from all personnel
- Continue to promote team spirit and process ownership for division
- Reduce incidents and accidents
- Improve quality and customer service

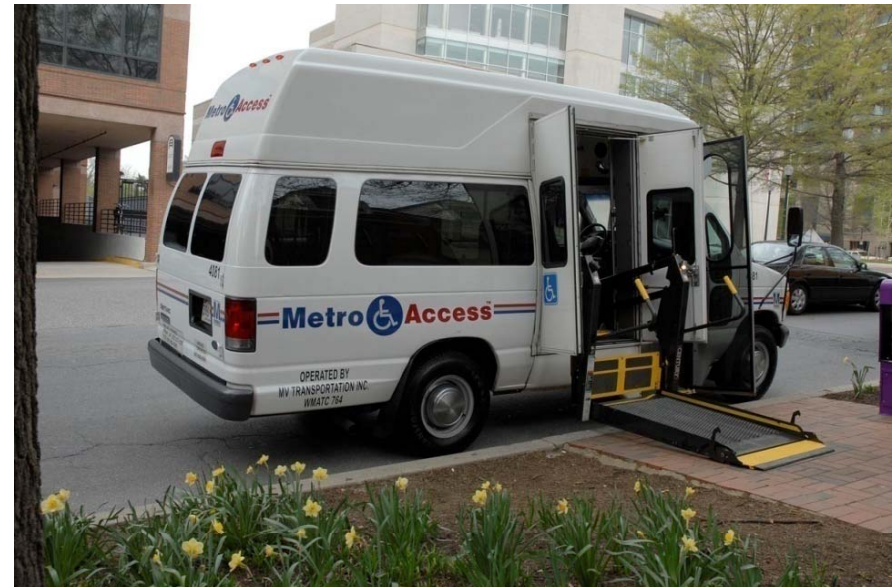




Safety Performance Highlights

MetroAccess

- **Safety initiatives**
 - In all dedicated vehicles
 - Continuously captures video inside and in front of the vehicle
 - Saves data from 10 seconds before and 10 seconds after manual or by G-force activation
 - All video clips reviewed for potential safety infractions
 - Video clips utilized during driver coaching, counseling and training





COMPREHENSIVE EXERCISE PROGRAM

Project Overview:

- Engages multiple levels of government
- Builds essential skills and mutual understanding of respective roles, responsibilities and interests
- Regionally coordinated with local public safety departments
- Planned to prevent interruptions to revenue service
- Funded through the Urban Area Security Initiative (UASI) by Metropolitan Washington Council of Governments (MWCOCG)

Scheduled Tactical Drills:

02/12/10 – Washington, DC – Simulated Bus Explosion

02/13/10 – Virginia – Simulated Rail Car Explosion

02/24-25/10 – Maryland – Simulated Active Shooter



AUTOMATIC LICENSE PLATE RECOGNITION SYSTEM

- License Plate Recognition (LPR) offers law enforcement the ability to automatically check vehicles against criminal and terrorism databases
- MTPD received 8 LPR units through the Urban Area Security Initiative Grant managed by the Arlington County Police Department





MTPD SIGNIFICANT FACTS JANUARY – DECEMBER 2009

- Received 57,617 calls for service
- 1,993 arrests (178 robbery & 54 auto related)
- 6,531 criminal/civil citations for fare evasion and public conduct violations
- 71 bus operator assaults compared to 97 during the same time last year
- The probability of being a victim of a Part I crime in the Metro system is 5.76 per million riders

Appendix A - Statistical Information



MetroRail Safety Performance Indicators

Category	January – December 2008	January – December 2009	Change
Rail Passenger Injuries (on board)	80	110	+30
Rail Fatalities	0	13	+13
Rail Fatalities (Suicides)	3	9	+6
Rail Transit Facility Occupant Injuries (In Stations and Parking Facilities)	175	88	-87
Rail Passenger Injury Rate	0.05	0.07	+0.02
Escalator Injuries	130	100	-30
Derailments (Main Line)	1	2	+1
Fire Incidents	51	62	+11
Smoke Incidents	87	96	+9



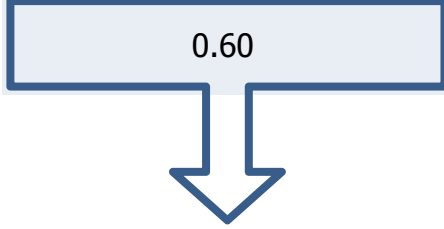
MetroBus Safety Performance Indicators

Category	January – December 2008	January – December 2009	Change
Bus Passenger Injuries	157	114	-43
Pedestrian Injuries	11	4	-7
Pedestrian Fatalities	0	1	+1
Preventable Bus Collision Rate	18.57	15.54	-3.03
Non-Preventable Bus Collision Rate	29.29	23.66	-5.63
Bus Passenger Injury Rate	0.36	0.27	-0.09



MetroAccess Safety Performance Indicators

Category	January – December 2008	January – December 2009	Change
MetroAccess Collision Rate (per 100,000 service miles)	2.98	3.17	+0.19
MetroAccess Passenger Injury Rate (per 100,000 passenger miles)	0.48	0.60	+0.12



Calendar Year 2009 Injury Details*				
	On Vehicle	Off Vehicle	Collision	Total
Preventable Injuries	39.1%	0.9%	11.8%	51.8%
Non-Preventable Injuries	26.4%	4.5%	17.3%	48.2%
Total	65.5%	5.5%	29.1%	

* Total percentages may not add up to 100% due to rounding



Safety Performance Indicators

- Passenger Injury Rate = $N \times 1,000,000 / \text{Passenger Miles}$
- MetroAccess Passenger Injury Rate = $N \times 100,000 / \text{Passenger Miles}$
- N = Number of injuries requiring immediate transportation from the accident scene to a medical facility
- Preventable Accident – an accident that occurred because the employee failed to do everything reasonably expected of a trained professional to avoid involvement in an accident
- Non-Preventable Accident – an accident that occurs despite every reasonable action by the employee to avoid involvement in an accident.
- MetroAccess Preventable/Non-Preventable Injuries – Percentage of injuries that occurred onboard a vehicle (not collision related), off a vehicle, or as a result of a collision.
- Bus Collision Rate = $N \times 1,000,000 / \text{Vehicle Miles}$
- MetroAccess Collision Rate = $N \times 100,000 / \text{Service Miles}$
- Service Miles = The miles that vehicles are scheduled to or actually travel while in revenue service.



METRO STATIONS EXPERIENCING MOST PART 1 CRIME JANUARY – DECEMBER 2009

	Aggravated Assault	Auto Theft	Larceny	Robbery	Total
1. New Carrollton	3	23	79	10	115
2. Southern Ave.	0	48	30	19	97
3. College Park	1	14	76	3	94
4. Suitland	1	28	38	12	79
5. Gallery Place	7	0	7	53	67
6. Minnesota Ave.	1	0	17	42	60
7. Anacostia	3	6	15	36	60
8. Rhode Island Ave.	2	7	12	36	57
9. Largo Town Center	1	14	30	7	52
10. Shady Grove	0	6	37	3	46



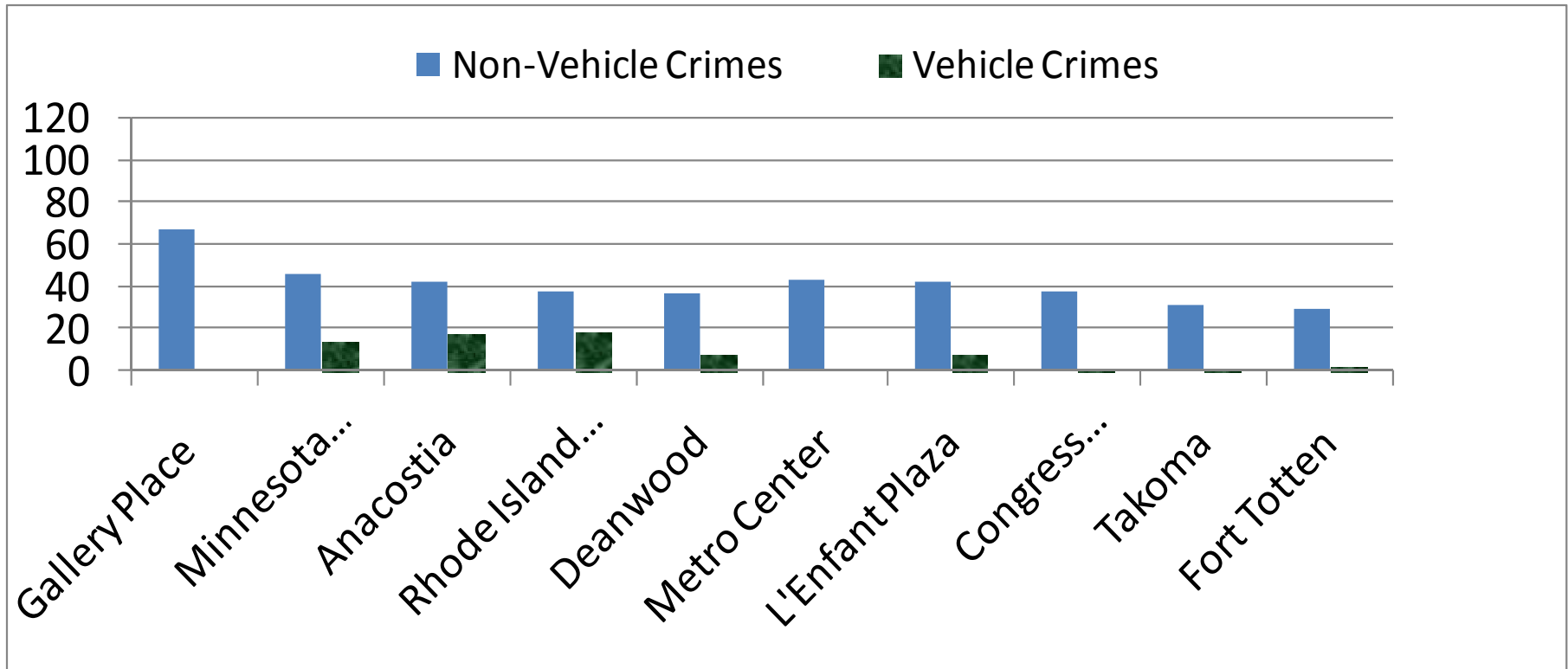
METRO TRANSIT POLICE CRIME REPORT

JANUARY - DECEMBER 2009

Part I Crime	2005	2006	2007	2008	2009
Aggravated Assault	102	119	106	92	94
Burglary	4	7	5	2	0
Homicide	0	2	1	0	1
Larceny (theft without force)	556	638	739	864	811
Motor Vehicle Theft	159	168	166	181	152
Rape	0	3	1	0	1
Robbery (theft with force or implied force)	349	398	445	581	894
Total	1170	1,335	1,463	1,720	1,953

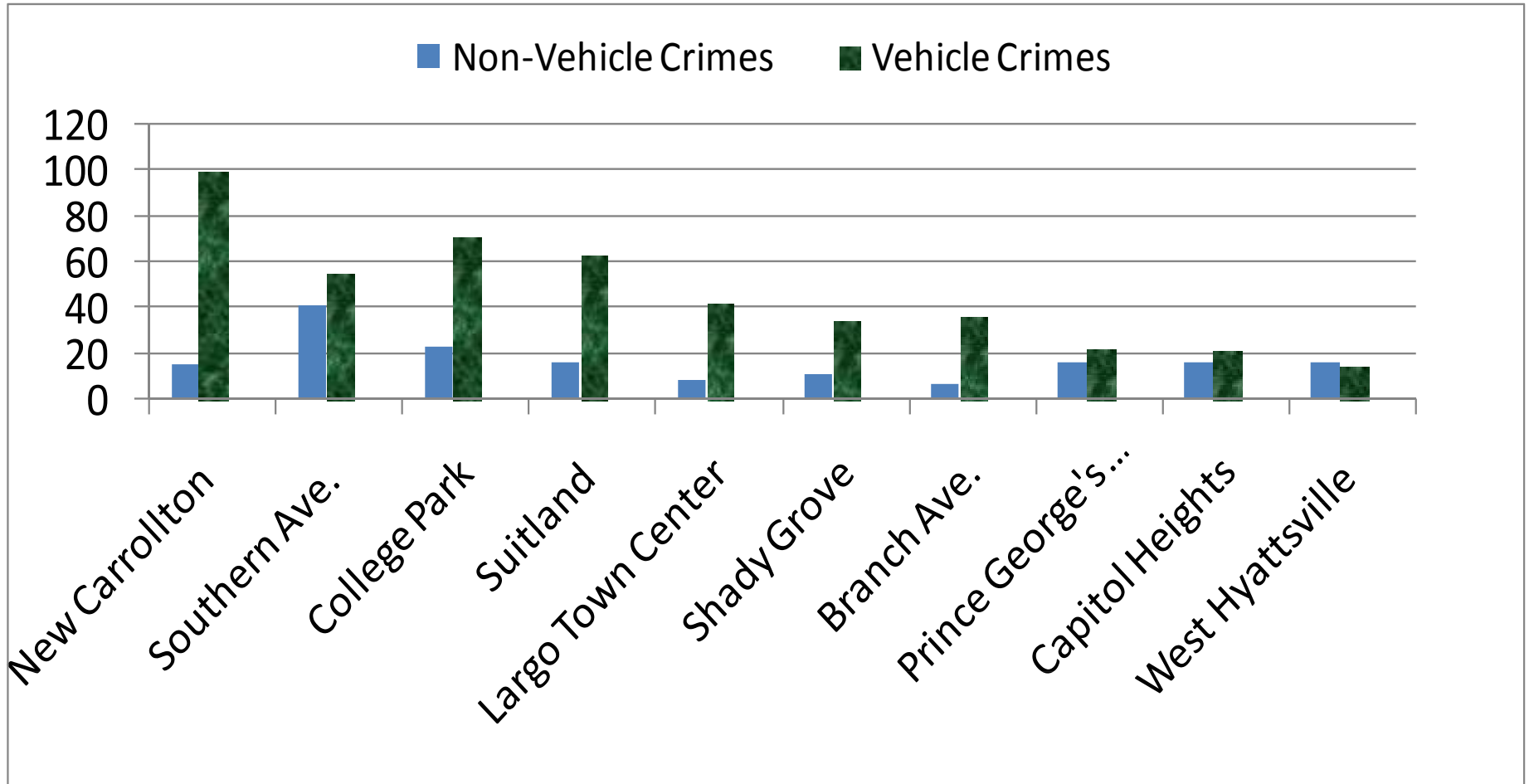


DISTRICT OF COLUMBIA TOP TEN METRORAIL STATIONS RANKED BY PART 1 CRIME





MARYLAND TOP TEN METRORAIL STATIONS RANKED BY PART 1 CRIME





VIRGINIA TOP TEN METRORAIL STATIONS RANKED BY PART 1 CRIME

